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January 31, 2012

Ms. Carmen Anderson
Voluntary Remediation Program
Office of Land Quality
100 North Senate Avenue
Indianapolis, Indiana 46204

Re: **Quarterly Monitoring Progress Report – 4th Quarter 2011**
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana 46222
IDEM Incident # 0000198
IDEM VRP # 6061202
MUNDELL Project No. M01046

Dear Ms. Anderson:

This *Quarterly Monitoring Progress Report* is being submitted to the Indiana Department of Environmental Management (IDEM) by MUNDELL & ASSOCIATES, INC. (MUNDELL), on behalf of AIMCO Michigan Meadows Holdings, LLC (AMMH), to summarize further site characterization, remediation activities and quarterly monitoring performed from October 1 through December 31, 2011. The following sections provide detailed discussions of the results of this work. All activities were completed on schedule.

GROUNDWATER MONITORING NETWORK SAMPLING

During October 18 - 24, 2011, quarterly groundwater sampling of the existing twenty-two (22) monitoring wells established with IDEM, seven (7) additional MUNDELL monitoring wells on the Floral Park Cemetery property, and one (1) Keramida/Environ monitoring well was performed. The following constitute this quarterly groundwater monitoring network:

1.) *Twenty-nine (29) MUNDELL monitoring wells*: MMW-1S, MMW-8S, MMW-9S, MMW-10S, MMW-11S, MMW-11D, MMW-12S, MMW-13D, MMW-14D, MMW-P-01, MMW-P-02, MMW-P-03S, MMW-P-03D, MMW-P-04, MMW-P-05, MMW-P-06, MMW-P-07, MMW-P-08, MMW-P-09S*, MMW-P-09D*, MMW-P-10S, MMW-P-10D, MMW-P-11S*, MMW-P-12S, MMW-P-12D, MMW-P-13S*, MMW-P-13D*, MMW-C-01* and MMW-C-02*.
NOTE: * indicates MUNDELL monitoring wells located on the Floral Park Property).

2.) *One (1) Keramida/Environ monitoring well*: MW-168D.

MUNDELL also measured static groundwater elevations via an electric oil/water interface probe from the above listed monitoring well network. Additional wells gauged during this sampling event consist of: MMW-2S, MMW-3S, MMW-4D, MMW-5D, MMW-6D, MMW-7S, MW-167S, MW-167D, MW-168S, MW-169S, MW-170S, MW-170D, MW-171S and MW-171D. All monitoring well locations are presented on **Figure 1**.

Monitoring well sampling, survey and construction data are provided in **Table 1**, and the shallow potentiometric surface map is illustrated on **Figure 2**. Groundwater elevations collected from monitoring wells screened in the deeper saturated unit were not included in the calculation of the shallow potentiometric surface.

The wells were sampled utilizing both dedicated and portable bladder pumps for uniform low-flow purging and sample collection. The Troll 9500 multi-parameter meter (used inline with the bladder pumps) logs geochemical parameters (temperature, pH, dissolved oxygen, conductivity and oxidation-reduction potential), which help remove a minimal but sufficient amount of water (indicated by stabilization of geochemical parameters) to sample the well. The Troll helps assess the geochemical parameters to determine if conditions naturally conducive to natural attenuation exist in the aquifer. All excess purge water was transported to 55-gallon drums located at the Site for proper disposal. In accordance with IDEM guidelines, the contents in each drum were then identified with a label describing them as non-hazardous materials.

As agreed in the October 29th, 2008, meeting with IDEM and detailed in the *Remediation Work Plan Addendum* November 2008, groundwater samples were submitted to Pace Analytical Laboratories (Pace) in Indianapolis, Indiana, for the shorter list of Volatile Organic Compound (VOC) analysis via U.S. EPA SW-846 Method 8260, along with appropriate duplicate (DUP), matrix spike (MS) and matrix spike duplicate (MSD). Groundwater samples were transferred into three 40-milliliter glass sample vials containing the preservative hydrochloric acid (HCl). Groundwater sample vials were sealed in plastic bags and placed in a cooler containing ice and delivered to Pace using appropriate chain-of-custody protocol for laboratory tests. Pace laboratory certificates of analysis for the groundwater samples analyzed are presented in **Appendix A**. The cumulative groundwater analytical data for enhanced anaerobic bioremediation are included in **Table 4.** The data show that anaerobic conditions which support the reductive dechlorination process currently exist in the aquifer.

Additional aquifer parameters, consisting of nitrate/nitrite, sulfate, ferrous iron, total organic carbon, methane, ethene and ethane were analyzed to evaluate indicator compound breakdown and redox-sensitivity. In addition, volatile fatty acids (VFA) were tested to evaluate substrate distribution and lifetime duration of the product. These samples were collected in the previously selected indicator well locations representative of each plume to monitor the presence of residual CAP 18 ME™ in the aquifer and to provide additional monitoring of aquifer conditions. These identified locations consist of:

Source Area A: MMW-P-02, MMW-P-03S, MMW-P-03D, MMW-P-04 and MMW-C-01;
Source Area B: MMW-P-01, MMW-P-05, MMW-P-06, MMW-P-07, MMW-P-08, MMW-P-10S, MMW-P-10D and MMW-8S; and
Source Area C: MMW-1S, MMW-9S and MMW-10S.

GROUNDWATER ANALYTICAL RESULTS

Groundwater analytical testing results for this quarter are summarized in **Table 2** and presented on **Figure 3.** Two (2) out of the thirty (30) monitoring wells sampled this quarter (MMW-1S and MMW-P-11S) showed PCE concentrations exceeding the IDEM RISC Industrial Default Closure Level (IDCL). Five (5) monitoring wells (MMW-8S, MMW-10S, MMW-P-01, MMW-P-02 and MMW-C-01) demonstrated PCE concentrations exceeding the IDEM RISC Residential Default Closure Level (RDCL) but below the IDCL. The historical groundwater results are included in **Table 3**. The historical indicator compounds trends in groundwater are presented in **Figure 4.**

One (1) monitoring well sampled this quarter showed a TCE concentration exceeding the IDEM RISC IDCL (MMW-1S). One (1) monitoring well (MMW-P-01) exhibited a TCE concentration exceeding the RDCL, but below the IDCL.

Two (2) monitoring wells (MMW-9S and MMW-P-06) showed cis-1,2-DCE concentrations exceeding the IDEM RISC IDCL. Eight (8) monitoring wells (MMW-1S, MMW-10S, MMW-11D, MMW-13D, MMW-14D, MMW-P-01, MMW-P-12S and MMW-P-12D) exhibited cis-1,2-DCE concentrations exceeding the RDCL, but below the IDCL. Eleven (11) monitoring wells (MMW-8S, MMW-11S, MMW-12S, MMW-P-02, MMW-P-03S, MMW-P-04, MMW-P-05, MMW-P-07, MMW-P-08, MMW-168D and MMW-C-01) exhibited cis-1,2-DCE concentrations under IDEM RISC RDCL but above the detection limit.

Twenty-four (24) monitoring wells (MMW-1S, MMW-8S, MMW-9S, MMW-10S, MMW-11D, MMW-13D, MMW-14D, MMW-P-01, MMW-P-02, MMW-P-03S, MMW-P-03D, MMW-P-04, MMW-P-05, MMW-P-06, MMW-P-07, MMW-P-08, MMW-P-09D, MMW-P-10D, MMW-P-12S, MMW-P-12D, MMW-P-13S, MMW-P-13D, MW-168D and MMW-C-01) showed vinyl chloride concentrations exceeding the IDEM RISC IDCL. One (1) monitoring well (MMW-P-11S) exhibited a vinyl chloride concentration exceeding the RDCL, but below the IDCL.

The deep monitoring wells MMW-11D, MMW-13D and MMW-14D exhibited cis-1,2-DCE groundwater concentrations exceeding the RDCL and exhibited vinyl chloride exceedances above IDCLs this quarter**.** Since these wells have been purposefully located upgradient of all three ***Chemical Source Areas***, the impacts observed in these areas demonstrate groundwater impacts that are attributable to other upgradient, off-site sources and not to Michigan Plaza. The locations of all three ***Chemical Source Areas*** are presented on **Figure 1**. As seen on **Figure 3** the indicator compound concentrations at these deep, upgradient wells can be considered as

"background levels" defined as the concentration of contaminants from the Genuine source coming into the deeper aquifer in this area. These indicator compound levels aid in discerning between the Michigan Plaza source impacts and the Genuine Site impacts, and will ultimately be used to evaluate the target cleanup levels for the deeper portion of the surficial aquifer at the Site.

IN-SITU BIOREMEDIATION PROGRESS

Based upon the 1) extent and severity of the indicator compound concentrations and trends; 2) site-specific operational constraints and uses; 3) geochemical and physical characteristics of the aquifer; and 4) economic factors, in-situ bioremediation with CAP 18™ and CAP 18 ME™, followed by Monitored Natural Attenuation (MNA) is the selected remediation technology for the Site for treating groundwater, as detailed in the *RWP*. The initial CAP 18™ injection was performed in each of the three source areas in August 2007 using a direct push Geoprobe system. Locations and spacing of the injection points were designed to address the sewer line related ***Chemical Source Areas*** and provide injection locations in each ***Chemical Source Area***. The anticipated downgradient migration of the initial CAP 18 ME™ was expected to remediate the most significant groundwater impacts. A booster CAP 18 ME™ injection was performed in February 2009 to aggressively treat some areas where the chemical concentrations began to stabilize or were decreasing at a slow rate. During this quarter, no additional CAP 18 ME™ injections have been performed. A *Revised Work Plan for Third Round of CAP 18 ME™ Injections* dated July 22, 2011, was approved by IDEM on August 22, 2011. MUNDELL will proceed with the third CAP 18 ME™ event as described in the above referenced *Revised Work Plan*. This injection event has been delayed pending receipt of results from recently completed delineation and investigation activities in the area. MUNDELL expects to receive the results of those activities shortly and plans to proceed with the third CAP 18 ME™ event in the first quarter of 2012.

Indicator Chemical Trends

A group of monitoring wells from the sampling network is utilized to monitor dissolved indicator compound concentration trends over time at various locations within the heart of the three ***Chemical Source Areas***. Graphs of historical PCE, TCE, cis-1,2-DCE and vinyl chloride concentrations are presented in **Figure 4** for the following monitoring wells:

Source Area A:	MMW-P-02, MMW-P-03S, MMW-P-03D, MMW-P-04 and MMW-C-01
Source Area B:	MMW-P-01, MMW-P-05, MMW-P-06, MMW-P-07, MMW-P-08, MMW-P-10S, MMW-P-10D and MMW-8S
Source Area C:	MMW-1S, MMW-9S and MMW-10S

Figures 4 and **5** illustrate the changes in the chlorinated solvent concentrations demonstrating reductive dechlorination as a result of the CAP 18 ME™ remediation implementation. To illustrate the effect of the CAP 18 ME™ injections on dissolved chlorinated concentrations, injection dates are included on the graphs.

Source Area A

PCE concentrations below the detection limit were observed in three (3) indicator wells (MMW-P-03S, MMW-P-03D and MMW-P-04) located near ***Source Area A***. One monitoring well (MMW-C-01) exhibited a PCE concentration exceeding the RDCL, but below the IDCL. One monitoring well (MMW-P-02) exhibited a PCE concentration above the detection limit. A slight increase in PCE groundwater concentration was noted in MMW-P-02 during the 4th quarter, 2011. In general, PCE concentrations have declined steadily since the initial August 2007 CAP 18™ injections and the following February 2009 CAP 18 ME™ injections. However, the PCE concentration at MMW-C-01 remains in excess of the RDCLs.

Cis-1,2-DCE concentrations demonstrate a slight decrease in the shallow saturated zone immediately downgradient of ***Source Area A*** (MMW-P-02 and MMW-P-04). However, all five (5) associated indicator wells (MMW-P-02, MMW-P-03S, MMW-P-03D, MMW-P-04 and MMW-C-01) are either non-detect or below all RDCLs during the 4th quarter, 2011.

During the 4th quarter, 2011, vinyl chloride concentrations increased in three (3) ***Source Area A*** indicator wells located immediately downgradient of ***Source Area A*** and screened within both the shallow and deep saturated zones (MMW-P-02, MMW-P-03S and MMW-P-03D). Generation of both cis-1,2-DCE and vinyl chloride as byproducts of enhanced reductive dechlorination appear to have slowed near ***Source Area A*** over the last several quarters. However, increasing vinyl chloride concentrations observed during the 4th quarter in these monitoring wells indicate the continuation of reductive dechlorination processes near ***Source Area A***. Rebounding PCE concentrations observed in indicator wells MMW-P-02 and MMW-C-01 indicate the likelihood of a limited PCE source remaining in the vicinity. As such, a third CAP 18 ME™ injection event has been approved by IDEM and is anticipated to be completed during the 1st quarter, 2012.

Source Area B

PCE concentrations were not detected in indicator wells MMW-P-05, MMW-P-06, MMW-P-07, MMW-P-08, MMW-P-10S and MMW-P-10D located near ***Source Area B***. While a decreasing PCE groundwater concentration was observed in MMW-8S during the 4th quarter, 2011, values still remain above the RDCLs in both MMW-8S and MMW-P-01. In general, PCE concentrations have declined steadily since the initial August 2007 CAP 18™ injections and the subsequent February 2009 CAP 18 ME™ injections.

TCE concentrations were below the detection limit in all ***Source Area B*** indicator wells during the 4th quarter, 2011, with the exception of MMW-P-01. MMW-P-01 showed an increase in TCE concentrations this quarter and remains above the RDCLs.

Slightly increasing cis-1,2-DCE concentration trends at monitoring well locations MMW-P-01, MMW-P-06 and MMW-8S were observed during the 4th quarter, 2011. MMW-P-06 is the sole monitoring well location with cis-1,2-DCE concentrations in excess of the IDCLs. Increasing Cis-1,2-DCE trends observed in these indicator well locations are likely the result of continuing dechlorination processes in and immediately downgradient of

Source Area B. Groundwater concentrations at indicator well locations MMW-8S, MMW-P-05, MMW-P-08, MMW-P-10S and MMW-P-10D were below RDCLs during 4th quarter, 2011.

Vinyl chloride groundwater concentrations persist downgradient of ***Source Area B*** ranging between less than 2.0 to 11,300 ug/L. Elevated concentrations were expected at the Site as a direct result of reductive dechlorination processes which were supplemented with CAP 18 ME™ injections in 2007 and 2009. Vinyl chloride concentrations increased in one (1) of the eight (8) identified indicator wells (MMW-8S) this quarter. The maximum observed vinyl chloride concentration at the Site has historically occurred at MMW-P-06. This trend continues during the 4th quarter, 2011, with a vinyl chloride concentration of 11,300 ug/L. The presence of vinyl chloride within the majority of the ***Source Area B*** indicator well locations indicates that reductive dechlorination processes are proceeding and that vinyl chloride generation continues at a slow rate in this area.

These indicator compound concentration trends in the vicinity of ***Source Area B*** indicate that reductive dechlorination processes continue to consume PCE while generating daughter products in the saturated zone. In addition, further daughter product breakdown and vinyl chloride generation continues in select downgradient wells as expected. However, PCE concentrations have been unstable over the last four quarters at MMW-P-01, located immediately downgradient of sewer line source areas identified during soil investigation activities completed during 2005. Rebounding PCE concentrations indicate the likelihood of a limited PCE source remaining in the vicinity. As such, a third CAP 18 ME™ injection event has been approved by IDEM and is anticipated to be completed during the 1st quarter, 2012.

Source Area C

PCE concentrations have decreased in all indicator wells located downgradient of ***Source Area C*** (MMW-1S, MMW-9S and MMW-10S). PCE concentrations at MMW-1S and MMW-10S have decreased but remain above the IDCLs and RDCLs, respectively. No PCE was detected at MMW-9S during the 4th quarter, 2011. Monitoring well locations near ***Source Area C*** continue to indicate downgradient migration of CAP 18 ME™ and slowing of previously inferred reductive dechlorination processes.

TCE concentrations are below detection limits in two (2) of the ***Source Area C*** monitoring well locations (MMW-9S and MMW-10S). The TCE concentration at MMW-1S exceeded the RDCLs during the 4th quarter, 2011, yet remained below the IDCLs.

Cis-1,2-DCE concentrations have increased in two (2) of the indicator wells located downgradient of ***Source Area C*** during the 4th quarter, 2011 (MMW-1S and MMW-9S). Cis-1,2-DCE concentrations remain below IDCLs at two (2) monitoring locations (MMW-1S and MMW-10S) while the concentration in MMW-9S has increased to above the IDCLs this quarter.

Vinyl chloride concentrations have demonstrated generally increasing trends after the second round of CAP 18 ME™ injections in February 2009. While the vinyl chloride concentration

increased slightly in MMW-1S (nearest ***Source Area C***), rates of vinyl chloride generation as byproducts of enhanced reductive dechlorination appear to have slowed further downgradient of ***Source Area C***. All vinyl chloride concentrations at the ***Source Area C*** indicator well locations remain above the IDCLs.

The remaining PCE and TCE concentrations observed near ***Source Area C***, and the decreasing rates of daughter product generation observed in the vicinity during 2011 indicate the need for a third CAP 18 ME™ injection event. This booster injection event has been approved by IDEM and is anticipated to be completed during the 1st quarter, 2012.

In conclusion, because reductive dechlorination processes appear to have slowed over the last several quarters, as evidenced by slightly rebounding PCE and TCE concentrations and reduced generation of breakdown products (cis-1,2-DCE and vinyl chloride) in selected locations, additional CAP 18 ME™ injections in ***Source Areas A, B*** and ***C*** have been approved by IDEM and MUNDELL will proceed with the third CAP 18 ME™ injection event at the Site. The cumulative groundwater analytical data for enhanced anaerobic bioremediation are included in **Table 4.** All groundwater analytical results are attached in **Appendix A**.

INDOOR AIR MITIGATION SYSTEMS PERFORMANCE

Four sub-floor slab depressurization units were installed by *Air Quality Control (AQC)* under the oversight of MUNDELL in September 2006. Three additional sub-floor slab depressurization units were installed by AQC under the oversight of MUNDELL on March 19 and 26, 2008.

Unit/blowers were installed in the following spaces at Michigan Plaza: 1) the Village Pantry (B1); 2) the former Tire Shop space (B2); 3) the Arca de Salvacion (B3); and 4) the laundromat (Michigan Plaza Family Laundry) (B4). The systems installed at the Michigan Apartments are: Building No. 1, Basement Apartment 101 (B5); Building No. 6, Basement Apartment 602 (B6); and Building No. 10, Basement Apartment 1001 (B7). The system locations are illustrated on **Figure 6**.

Since the time of installation, system stack air samples were collected weekly during October 2006, followed by bi-weekly sampling during November and December 2006, monthly throughout 4th quarter, 2006, and then on a quarterly basis thereafter. PID readings have also been concurrently measured in each of the stacks. The historical PCE concentration trends and cumulative pounds of PCE and total contaminants removed by each of the systems (B1 through B7) are summarized in **Figures 7** through **15.**

As of the end of the 4th quarter of 2011, approximately *21.96 pounds* of total chlorinated solvents, including *16.91 pounds* of PCE, have been removed at the *Michigan Apartments property* (sub slab depressurization systems B5, B6 and B7); and approximately *108.00 pounds* of total chlorinated solvents, including *99.91 pounds* of PCE, have been removed at the *Michigan Plaza property* (sub slab depressurization systems B1, B2, B3 and B4). The associated calculations are provided in **Appendix B.** A concentration of half the PQL (practical quantitation limit) is assumed for the indicator compounds demonstrating concentrations below the laboratory

PQL, with the exception of vinyl chloride where an average concentration of 0.015 parts per million vapor (PPMV) (derived from the J flag values for vinyl chloride concentrations below PQL) is used for calculation purposes.

Overall, decreases in PCE concentrations have been noted in all mitigation systems going back to at least May 2009. Air mitigation systems B4 and B7 were non-detect for PCE concentrations in vapor during the 4th quarter, 2011, sampling event. PCE concentrations in mitigation systems B1, B2, B3, and B6 have decreased by an order of magnitude since air monitoring was initiated for each respective system. Air mitigation system B5 has also shown generally declining PCE concentrations, with reduction of PCE concentrations by nearly 900 ug/m^3 since air monitoring was initiated.

FURTHER INVESTIGATION ACTIVITIES

During the 4th quarter, 2011, MUNDELL completed several further investigation activities as requested by IDEM and outlined in its *Notification of Additional Soil and Groundwater Investigation Activities*, November 30, 2011. This included:

1) Installation of one (1) new monitoring well (MMW-C-02D), replacement of one (1) abandoned monitoring well (MMW-P-11DR), and installation of two (2) nested monitoring well sets, one at the northeast corner of the intersection of Holt and Cossell Roads (MMW-P-14S/D), two (2) southwest of the Michigan Plaza (MMW-P-11S/D, MMW-P-13S/D), and one immediately west of Michigan Apartments Building 15 (MMW-15S/D);

2) Continuous soil sampling of twelve (12) Geoprobe soil borings, two (2) located west of Michigan Plaza along the sanitary sewer line (GP-30 and GP-31), and ten (10) located within the Floral Park Cemetery south of Cossell Road (GP-20 through GP-29); and

3) 2D resistivity and seismic profiles in an east-west direction near the middle of the Michigan Apartments property (to the south of building 15, between buildings 12 and Holt Road.

The results of these additional investigations will be included in a Further Site Investigation report to be issued pending the results of the recent U.S. EPA investigation in the area.

It should be noted that a PCE concentration above the IDCLs (592 ug/L) was observed in MMW-P-11S, located southwest of the Michigan Plaza building on the Floral Park Cemetery property. This monitoring well was installed in September of 2011 and is screened within the shallow portion of the surficial aquifer. No PCE concentrations were observed in the deeper portion of the surficial aquifer unit.

Analytical results from the surrounding shallow monitoring wells relative to MMW-P-11S and the associated ***Source Area A*** indicate this is a localized area of PCE impacts in groundwater. Monitoring wells to the east (MW-171S), southeast (MMW-C-02 and MMW-P-09S), southwest

(MW-169S) and west (MMW-P-13S and MW-170S) did not contain PCE. In addition, PCE was not present in any wells screened within the deep saturated zone in the vicinity of MMW-P-11S. The upcoming CAP 18 ME™ injections planned in reference to residual PCE concentrations in ***Source Area A*** will address the limited PCE concentrations remaining in MMW-P-11S and the surrounding area.

We appreciate the opportunity to update IDEM on the progress of remedial activities and monitoring at the Site. If you have any questions, please do not hesitate to contact us at (317) 630-9060 or via email (jmundell@MundellAssociates.com; swebb@MundellAssociates.com).

Sincerely,

MUNDELL & ASSOCIATES, INC.

Sarah E. Webb, L.P.G.
Project Hydrogeologist

John A. Mundell, P.E., L.P.G.
President/Senior Environmental Consultant

Attachments: Tables
Figures
Appendices

cc: Mr. Peter Cappel, AMMH

TABLES

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APPENDICES

Appendix A. Lab Analytical Results

Appendix B. Air Mitigation Systems: Pounds of Contaminants Removed

Appendix C Cumulative Low Flow Sampling Data

TABLES

Table 1
Tabulated Water Level Measurements and Monitoring Well Construction Data
Quarter 4 (2011)
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Monitoring Well	Date of Water Level	Top of Casing Elevation (feet MSL)	Total Depth (feet)	Screened Interval (feet)	Depth To Water (feet)	Groundwater Elevation (feet MSL)
Monitoring Wells (Plaza)						
MMW-P-01	10/17/2011	715.26	28	18.00 - 28.00	19.71	695.55
MMW-P-02	10/17/2011	716.09	30	20.00 - 30.00	19.78	696.31
MMW-P-03S	10/17/2011	715.95	28	18.00 - 28.00	20.65	695.30
MMW-P-03D	10/17/2011	716.02	35	25.00 - 35.00	20.70	695.32
MMW-P-04	10/17/2011	716.04	28	18.00 - 28.00	20.58	695.46
MMW-P-05	10/17/2011	715.55	28	18.00 - 28.00	20.11	695.44
MMW-P-06	10/17/2011	716.14	28	18.00 - 28.00	20.69	695.45
MMW-P-07	10/17/2011	714.90	28	18.00 - 28.00	19.02	695.88
MMW-P-08	10/17/2011	714.53	28	18.00 - 28.00	18.45	696.08
MMW-P-09S	10/17/2011	714.80	28	18.00 - 28.00	20.43	694.37
MMW-P-09D	10/17/2011	714.82	45	35.00 - 45.00	20.39	694.43
MMW-P-10S	10/17/2011	714.35	28	18.00 - 28.00	18.39	695.96
MMW-P-10D	10/17/2011	714.42	38	28.00 - 38.00	18.62	695.80
Monitoring Wells (Apartments)						
MMW-1S	10/17/2011	712.92	20	10.00 - 20.00	16.41	696.51
MMW-2S	10/17/2011	712.588	20	10.00 - 20.00	14.98	697.608
MMW-3S	10/17/2011	709.763	30	18.00 - 28.00	12.93	696.833
MMW-4D	10/17/2011	710.877	66	56.00 - 66.00	14.09	696.787
MMW-5D	10/17/2011	710.852	51	36.00 - 41.00	13.85	697.002
MMW-6D	10/17/2011	711.971	51	39.00 - 49.00	14.94	697.031
MMW-7S	10/17/2011	711.64	26	12.00 - 22.00	14.53	697.11
MMW-8S	10/17/2011	714.24	24	14.00 - 24.00	17.46	696.78
MMW-9S	10/17/2011	713.71	25	15.00 - 25.00	17.67	696.04
MMW-10S	10/17/2011	712.30	25	15.00 - 25.00	16.70	695.602
MMW-11S	10/17/2011	712.82	24	14.00 - 24.00	16.40	696.418
MMW-11D	10/17/2011	712.99	33	23.00 - 33.00	16.43	696.558
MMW-12S	10/17/2011	711.99	24	14.00 - 24.00	15.7	696.288
MMW-13D	10/17/2011	713.28	50	35.00 - 50.00	16.43	696.85
MMW-14D	10/17/2011	712.41	50	40.00 - 50.00	15.48	696.93
Floral Park Cemetery Monitoring Wells (Off-Site)						
MMW-C-01	10/17/2011	715.73	28	18.00 - 28.00	20.48	695.25
MMW-C-02	10/17/2011	714.64	28	18.00 - 28.00	19.86	694.78
MMW-P-11S	10/17/2011	716.42	26	16.00 - 26.00	21.26	695.16
MMW-P-12S	10/17/2011	715.83	26	16.00 - 26.00	19.20	696.63
MMW-P-12D	10/17/2011	716.15	36.5	31.50 - 36.50	18.65	697.50
MMW-P-13S	10/17/2011	713.83	26	16.00 - 26.00	18.67	695.16
MMW-P-13D	10/17/2011	713.57	33	28.00 33.00	18.45	695.12
Keramida/Environ Monitoring Wells (Off-Site)						
MW-167S	-	716.07	22	12.00 - 22.00	NG	NG
MW-167D	-	715.61	33	28.00 - 33.00	NG	NG
MW-168S	10/17/2011	714.58	22	12.00 - 22.00	18.42	696.16
MW-168D	10/17/2011	714.46	31	26.00 - 31.00	18.33	696.13
MW-169S	10/17/2011	715.92	25	15.00 - 25.00	21.43	694.49
MW-169D	-	715.69	37	32.00 - 37.00	NG	NG
MW-170S	10/17/2011	717.14	27	17.00 - 27.00	21.85	695.29
MW-170D	10/17/2011	717.07	39	34.00 - 39.00	21.76	695.31
MW-171S	10/17/2011	711.58	22	12.00 - 22.00	NG	NG
MW-171D	10/17/2011	711.62	49	44.00 - 49.00	16.7	694.92
Little Eagle Creek Stream Gauge Locations						
Location ID	**Date of Water Level**	**Top of Stream Gauge Elevation (Feet MSL)**			**Water Surface Gauge Elevation (Feet MSL)**	**Water Surface Elevation (Feet MSL)**
SG-1	10/17/2011	701.78			0.40	697.38
SG-2	10/17/2011	698.85			0.52	694.33

Notes:
1) All Top of Casing (TOC) data was obtained from or referenced to the Unified U.S. EPA Elevation Survey completed on October 13, 2011.
2) NG = Not Gauged

Table 2
Monitoring Well Groundwater Analytical Results
Quarter 4 (2011)
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Monitoring Wells (Apts)							
MMW-1S	10/19/2011	**136**	**66.0**	**75.3**	<5.0	<5.0	**14.3**
MMW-8S	10/24/2011	**7.9**	<5.0	9.9	<5.0	<5.0	**200**
MMW-9S	10/24/2011	<5.0	<5.0	**2,330**	92.8	<5.0	**694**
MMW-10S	10/19/2011	**5.2**	<5.0	**134**	<5.0	<5.0	**198**
MMW-11S	10/21/2011	<5.0	<5.0	33.9	<5.0	<5.0	<2.0
MMW-11D	10/21/2011	<5.0	<5.0	**751**	22.7	<5.0	**11.8**
MMW-12S	10/18/2011	<5.0	<5.0	39.4	<5.0	<5.0	<2.0
MMW-13D	10/18/2011	<5.0	<5.0	**771**	5.2	<5.0	**140**
MMW-14D	10/19/2011	<5.0	<5.0	**898**	11.1	<5.0	**92.6**
Monitoring Wells (Plaza)							
MMW-P-01	10/24/2011	**23.4**	**10.0**	**839**	9.1	<5.0	**1,410**
MMW-P-02	10/19/2011	**9.1**	<5.0	36.9	<5.0	<5.0	**304**
MMW-P-03S	10/19/2011	<5.0	<5.0	33.5	6.6	<5.0	**446**
MMW-P-03D	10/18/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**61.5**
MMW-P-04	10/24/2011	<5.0	<5.0	14.8	<5.0	<5.0	**68.7**
MMW-P-05	10/19/2011	<5.0	<5.0	8.3	<5.0	<5.0	**48.3**
MMW-P-06	10/24/2011	<50.0	<50.0	**10,100**	<50.0	<50.0	**11,300**
MMW-P-07	10/24/2011	<5.0	<5.0	37.3	<5.0	<5.0	**388**
MMW-P-08	10/24/2011	<5.0	<5.0	32.5	<5.0	<5.0	**136**
MMW-P-09S	10/18/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MMW-P-09D	10/21/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**71.9**
MMW-P-10S	10/21/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MMW-P-10D	10/21/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**444**
Keramida/Environ Monitoring Wells (Off-Site)							
MW-168D	10/24/2011	<5.0	<5.0	8.9	<5.0	<5.0	**137**
Floral Park Monitoring Wells (Off-site)							
MMW-C-01	10/21/2011	**18.7**	<5.0	20.6	<5.0	<5.0	**58.8**
MMW-C-02	10/18/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MMW-P-11S	10/24/2011	**592**	<5.0	<5.0	<5.0	<5.0	**2.5**
MMW-P-12S	10/24/2011	<5.0	<5.0	**642**	19.2	<5.0	**60.7**
MMW-P-12D	10/24/2011	<5.0	<5.0	**644**	14.2	<5.0	**71.3**
MMW-P-13S	10/24/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**19.8**
MMW-P-13D	10/24/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**116**
IDEM RISC Default Industrial Cleanup Level		**55**	**31**	**1,000**	**2,000**	**1,000**	**4**
IDEM RISC Default Residential Cleanup Level		**5**	**5**	**70**	**100**	**80**	**2**

Note:
All Values Over IDEM RISC Industrial Default Cleanup Level in **RED**
All Values Over IDEM RISC Residential Default Cleanup Level in **BLUE**
PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene
ug/L = micrograms per liter
NS = Not Sampled
All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana

MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Monitoring Wells (Apts)							
MMW-1S	9/10/2004	< 5.0	< 5.0	< 5.0	< 5.0	<5.0	**4.1**
	3/15/2005	**150**	**10.0**	< 5.0	< 5.0	< 5.0	< 2.0
	11/9/2005	**130**	**8.3**	<5.0	<5.0	<5.0	**8.9**
	9/5/2006	**200**	**13.0**	<5.0	<5.0	<5.0	**4.6**
	2/22/2007	**220**	**14.9**	<5.0	<5.0	<5.0	<2.0
	6/14/2007	**240**	<5.0	<5.0	<5.0	<5.0	<2.0
	9/19/2007	**362**	**10.5**	<5.0	<5.0	31.6	<2.0
	12/13/2007	**330**	**8.1**	<5.0	<5.0	27.0	<2.0
	3/21/2008	**280**	**14.0**	<5.0	<5.0	<5.0	<2.0
	6/6/2008	**277**	**13.2**	<5.0	<5.0	<5.0	<2.0
	9/11/2008	**288**	**14.7**	<5.0	<5.0	<5.0	<2.0
	11/20/2008	**223**	**45.5**	**169**	<5.0	<5.0	**14.5**
	3/16/2009	**199**	**11.3**	<5.0	<5.0	<5.0	<2.0
	6/16/2009	**237**	**13.4**	<5.0	<5.0	<5.0	<2.0
	8/5/2009	**195**	**22.9**	**71.3**	<5.0	<5.0	**9.3**
	11/2/2009	**189**	**39.0**	**119**	<5.0	<5.0	**26.6**
	2/3/2010	**160**	**49.7**	59.1	<5.0	<5.0	**35.4**
	4/22/2010	**206**	**14.7**	<5.0	<5.0	<5.0	<2.0
	7/21/2010	**310**	**21.8**	<5.0	<5.0	<5.0	<2.0
	10/12/2010	**89.4**	**21.3**	**208**	<5.0	<5.0	**32.2**
	1/19/2011	**217**	**46.2**	35.4	<5.0	<5.0	**21.8**
	5/4/2011	**449**	**22.7**	12.1	<5.0	<5.0	<2.0
	7/28/2011	**334**	**20.3**	8.1	<5.0	<5.0	**2.1**
	10/19/2011	**136**	**66.0**	**75.3**	<5.0	<5.0	**14.3**
MMW-2S	9/10/2004	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	11/9/2005	<5.0	<5.0	<5.0	<5.0	<5.0	**5.2**
	9/5/2006	<5.0	<5.0	<5.0	<5.0	<5.0	**5.2**
	6/2/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	6/15/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/30/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MMW-3S	8/26/2004	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	9/10/2004	<5.0	**5.2**	<5.0	<5.0	<5.0	<2.0
	11/9/2005	<5.0	**28.0**	5.4	<5.0	<5.0	<2.0
	9/5/2006	<5.0	**23.0**	7.4	<5.0	<5.0	<2.0
	6/2/2008	<5.0	**20.2**	7.9	<5.0	<5.0	**2.8**
	6/15/2009	<5.0	**15.3**	11.7	<5.0	<5.0	**3.0**
	4/20/2010	<5.0	**15.9**	8.0	<5.0	<5.0	<2.0
	5/4/2011	<5.0	**12.4**	12.4	<5.0	<5.0	**4.4**
MMW-4D	8/25/2004	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	9/10/2004	<5.0	<5.0	**980**	<5.0	<5.0	**200**
	11/10/2005	<5.0	<5.0	**850**	<5.0	<5.0	**240**
	9/5/2006	<5.0	<5.0	**1,100**	<5.0	<5.0	**220**
	6/2/2008	<5.0	<5.0	**515**	<5.0	<5.0	**32.2**
	6/15/2009	<5.0	<5.0	**892**	7.0	<5.0	**142**
	4/20/2010	<5.0	<5.0	**719**	<5.0	<5.0	**237**
	4/29/2011	<5.0	<5.0	**1,050**	<5.0	<5.0	**164**
MMW-5D	8/24/2004	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	9/10/2004	<5.0	<5.0	**3,400**	13.0	<5.0	**270**
	11/10/2005	<5.0	<5.0	**3,900**	19.0	<5.0	**140**
	9/5/2006	<50.0	<50	**2,500**	<50	<5.0	**170**
	6/2/2008	<5.0	<5.0	**1,360**	19.9	<5.0	**207**
	6/15/2009	<5.0	<5.0	**1,110**	14.5	<5.0	**242**
	4/20/2010	<5.0	<5.0	**943**	<5.0	<5.0	**204**
	4/29/2011	<5.0	<5.0	**659**	<5.0	<5.0	**166**
IDEM RISC Industrial Default Cleanup Level - 2006		**55**	**31**	**1,000**	**2,000**	**1,000**	**4**
IDEM RISC Residential Default Cleanup Level - 2006		**5**	**5**	**70**	**100**	**80**	**2**

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in **RED**

All Values Over IDEM RISC Default Residential Cleanup Level in **BLUE**

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" desgination indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana

MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MMW-6D	9/10/2004	<5.0	<5.0	**540**	<5.0	<5.0	**400**
	11/10/2005	<5.0	<5.0	**750**	<5.0	<5.0	**700**
	9/5/2006	<5.0	<5.0	**300**	<5.0	<5.0	**440**
	6/2/2008	<5.0	<5.0	65.5	<5.0	<5.0	**242**
	6/15/2009	<5.0	<5.0	8.6	<5.0	<5.0	**111**
	4/20/2010	<5.0	<5.0	8.2	<5.0	<5.0	**63.6**
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**51.1**
MMW-7S	8/24/2004	<5.0	<5.0	28.0	<5.0	<5.0	<2.0
	9/10/2004	<5.0	<5.0	8.5	<5.0	<5.0	<2.0
	11/9/2005	<5.0	<5.0	9.5	<5.0	<5.0	<2.0
	9/5/2006	<5.0	<5.0	5.8	<5.0	<5.0	**4.5**
	6/2/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	6/15/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/20/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	5/4/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MMW-8S	2/22/2007	**114**	<5.0	**289**	13.8	<5.0	**40.6**
	6/14/2007	**15.9**	<5.0	**364**	9.5	<5.0	**82.1**
	9/19/2007	<5.0	<5.0	**778**	24.6	<5.0	**145**
	12/13/2007	**7.7**	<5.0	**1,000**	7.4	<5.0	**586**
	3/20/2008	<5.0	<5.0	**470**	<5.0	<5.0	**330**
	6/6/2008	<5.0	<5.0	**336**	<5.0	<5.0	**509**
	9/10/2008	<5.0	<5.0	**275**	<5.0	<5.0	**322**
	11/20/2008	<5.0	<5.0	**123**	<5.0	<5.0	**584**
	3/16/2009	<5.0	<5.0	**95.0**	<5.0	<5.0	**348**
	6/16/2009	<5.0	<5.0	**94.3**	6.1	<5.0	**280**
	8/5/2009	<5.0	<5.0	**83.8**	<5.0	<5.0	**261**
	11/2/2009	<5.0	<5.0	58.3	<5.0	<5.0	**277**
	2/3/2010	**7.9**	<5.0	15.3	<5.0	<5.0	**236**
	4/22/2010	<5.0	<5.0	9.0	<5.0	<5.0	**151**
	7/21/2010	**6.2**	<5.0	14.9	<5.0	5.0	**230**
	10/12/2010	**8.4**	<5.0	5.4	<5.0	<5.0	**158**
	1/19/2011	**14.1**	<5.0	<5.0	<5.0	<5.0	**172**
	4/30/2011	**677**	**19.5**	37.2	<5.0	<5.0	**108**
	7/28/2011	**19.4**	<5.0	29.0	<5.0	<5.0	**130**
	10/24/2011	**7.9**	<5.0	9.9	<5.0	<5.0	**200**
MMW-9S	2/22/2007	**782**	**88.6**	**78.9**	<5.0	<5.0	<2.0
	6/14/2007	**858**	**85.7**	65.3	<5.0	<5.0	<2.0
	9/20/2007	**1,430**	**112**	**70.3**	8.2	<5.0	<2.0
	12/12/2007	<50.0	<50.0	**1,700**	<50.0	<50.0	<20.0
	3/21/2008	**57.0**	**20.0**	**2,900**	39.0	<5.0	**16.0**
	6/6/2008	**52.9**	**28.0**	**1,540**	38.2	<5.0	**295**
	9/10/2008	**52.6**	**22.7**	**4,920**	94.5	<5.0	**167**
	11/20/2008	<5.0	<5.0	**5,820**	90.2	<5.0	**1,010**
	3/16/2009	<50.0	<50.0	**7,490**	73.8	<50.0	**1,800**
	6/16/2009	**44.5**	**24.9**	**4,810**	64.0	<5.0	**876**
	8/5/2009	<5.0	<5.0	**5,010**	64.2	<5.0	**1,110**
	11/2/2009	<5.0	<5.0	**5,410**	**120**	<5.0	**1,050**
	2/3/2010	<50.0	<50.0	**5,090**	98.4	<50.0	**1,700**
	4/22/2010	<5.0	<5.0	**4,300**	77.1	<5.0	**1,710**
	7/21/2010	<50.0	<50.0	**2,910**	73.2	<50.0	**2,020**
	10/12/2010	<50.0	<50.0	**2,430**	<50.0	<50.0	**1,270**
	1/19/2011	<50.0	<50.0	**1,580**	**136**	<50.0	**1,490**
	5/4/2011	**11.1**	**13.4**	**2,900**	71.7	<5.0	**1,350**
	7/27/2011	<5.0	<5.0	**933**	32.0	<5.0	**747**
	10/24/2011	<5.0	<5.0	**2,330**	92.8	<5.0	**694**
IDEM RISC Industrial Default Cleanup Level - 2006		**55**	**31**	**1,000**	**2,000**	**1,000**	**4**
IDEM RISC Residential Default Cleanup Level - 2006		**5**	**5**	**70**	**100**	**80**	**2**

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in **RED**

All Values Over IDEM RISC Default Residential Cleanup Level in **BLUE**

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" desgination indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana

MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MMW-10S	2/22/2007	**49.6**	<5.0	<5.0	<5.0	<5.0	<2.0
	6/14/2007	**77.6**	<5.0	<5.0	<5.0	<5.0	<2.0
	9/19/2007	**66.0**	<5.0	<5.0	<5.0	<5.0	<2.0
	12/12/2007	**124**	**56.0**	**149**	<5.0	<5.0	<2.0
	3/21/2008	**440**	**12.0**	8.1	<5.0	<5.0	**12.0**
	6/6/2008	**541**	**62.1**	**218**	<5.0	<5.0	**30.4**
	9/10/2008	**6.9**	<5.0	**353**	8.2	<5.0	<2.0
	11/20/2008	<5.0	<5.0	**212**	<5.0	<5.0	**15.9**
	3/16/2009	<5.0	<5.0	**302**	<5.0	<5.0	**114**
	6/16/2009	**22.8**	**15.4**	**415**	12.0	<5.0	**81.4**
	8/5/2009	<5.0	<5.0	**224**	5.5	<5.0	**156**
	11/2/2009	**12.8**	**10.1**	**239**	5.6	<5.0	**119**
	2/3/2010	**8.3**	**7.5**	**180**	5.1	<5.0	**148**
	4/22/2010	<5.0	**7.9**	**165**	<5.0	<5.0	**143**
	7/21/2010	**15.6**	**9.7**	**267**	8.3	<5.0	**239**
	10/12/2010	<5.0	<5.0	**100**	<5.0	<5.0	**96.1**
	1/19/2011	<5.0	**14.4**	**80.9**	12.7	<5.0	**88.0**
	5/4/2011	**429**	**76.6**	**464**	16.9	<5.0	**130**
	7/27/2011	**24.5**	**14.3**	**206**	7.2	<5.0	**295**
	10/19/2011	**5.2**	<5.0	**134**	<5.0	<5.0	**198**
MMW-11S	6/14/2007	<5.0	<5.0	**225**	6.8	<5.0	**18.6**
	9/19/2007	<5.0	<5.0	**442**	21.1	<5.0	**30.1**
	12/13/2007	**7.2**	<5.0	**920**	27.0	<5.0	**49.0**
	3/20/2008	<5.0	<5.0	**420**	17.0	<5.0	**4.9**
	6/5/2008	<5.0	<5.0	**623**	23.1	<5.0	**26.7**
	9/10/2008	<5.0	<5.0	**327**	18.3	<5.0	**9.9**
	11/20/2008	<5.0	<5.0	**554**	23.9	<5.0	**18.5**
	3/16/2009	<5.0	<5.0	37.6	<5.0	<5.0	<2.0
	6/16/2009	<5.0	<5.0	**253**	17.9	<5.0	**2.8**
	8/5/2009	<5.0	<5.0	**80.7**	5.5	<5.0	**3.1**
	11/2/2009	<5.0	<5.0	59.9	<5.0	<5.0	<2.0
	2/3/2010	<5.0	<5.0	29.4	<5.0	<5.0	<2.0
	4/22/2010	<5.0	<5.0	17.7	<5.0	<5.0	<2.0
	7/21/2010	<5.0	<5.0	**120**	7.4	<5.0	**4.3**
	10/12/2010	<5.0	<5.0	**85.1**	5.6	<5.0	<2.0
	1/19/2011	<5.0	<5.0	46.3	12.9	<5.0	<2.0
	4/30/2011	<5.0	<5.0	8.3	<5.0	<5.0	<2.0
	7/26/2011	<5.0	<5.0	15.1	<5.0	<5.0	<2.0
	10/21/2011	<5.0	<5.0	33.9	<5.0	<5.0	<2.0
MMW-11D	6/16/2009	<5.0	<5.0	**25.3**	6.7	<5.0	<2.0
	8/5/2009	<5.0	<5.0	**485**	22.6	<5.0	**15.3**
	11/2/2009	<5.0	<5.0	**771**	31.8	<5.0	**18.8**
	2/3/2010	<5.0	<5.0	**301**	28.2	<5.0	**5.2**
	4/22/2010	<5.0	<5.0	**307**	21.8	<5.0	**2.6**
	7/21/2010	<5.0	<5.0	**396**	21.8	<5.0	**10.9**
	10/12/2010	<5.0	<5.0	**162**	<5.0	<5.0	<2.0
	1/19/2011	<5.0	<5.0	**570**	26.7	<5.0	**5.9**
	4/30/2011	<5.0	<5.0	**356**	17.2	<5.0	**3.6**
	7/26/2011	<5.0	<5.0	**304**	18.3	<5.0	**3.6**
	10/21/2011	<5.0	<5.0	**751**	22.7	<5.0	**11.8**
IDEM RISC Industrial Default Cleanup Level - 2006		**55**	**31**	**1,000**	**2,000**	**1,000**	**4**
IDEM RISC Residential Default Cleanup Level - 2006		**5**	**5**	**70**	**100**	**80**	**2**

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in **RED**

All Values Over IDEM RISC Default Residential Cleanup Level in **BLUE**

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" desgination indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana

MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MMW-12S	6/16/2009	<5.0	<5.0	9.7	<5.0	<5.0	**6.5**
	8/5/2009	<5.0	<5.0	47.3	<5.0	<5.0	**15.2**
	11/2/2009	<5.0	<5.0	28.8	<5.0	<5.0	**7.1**
	2/3/2010	<5.0	<5.0	11.4	<5.0	<5.0	**2.1**
	4/20/2010	<5.0	<5.0	5.3	<5.0	<5.0	<2.0
	7/21/2010	<5.0	<5.0	25.4	<5.0	<5.0	**7.3**
	10/12/2010	<5.0	<5.0	16.8	<5.0	<5.0	<2.0
	1/18/2011	<5.0	<5.0	19.7	<5.0	<5.0	<2.0
	4/30/2011	<5.0	<5.0	30.6	<5.0	<5.0	**2.7**
	7/26/2011	<5.0	<5.0	24.3	<5.0	<5.0	<2.0
	10/18/2011	<5.0	<5.0	39.4	<5.0	<5.0	<2.0
MMW-13D	8/5/2009	<5.0	<5.0	**672**	<5.0	<5.0	**59.2**
	11/2/2009	<5.0	<5.0	**949**	<5.0	<5.0	**182**
	2/3/2010	<5.0	<5.0	**819**	6.2	<5.0	**260**
	4/22/2010	<5.0	<5.0	**469**	<5.0	<5.0	**4.6**
	7/21/2010	<5.0	<5.0	**432**	<5.0	<5.0	**16.6**
	10/12/2010	<5.0	<5.0	**1,200**	<5.0	<5.0	**187**
	1/19/2011	<5.0	<5.0	**920**	12.3	<5.0	**179**
	4/30/2011	<5.0	<5.0	**527**	<5.0	<5.0	**15.4**
	7/26/2011	<5.0	<5.0	**328**	<5.0	<5.0	**11.9**
	10/18/2011	<5.0	<5.0	**771**	5.2	<5.0	**140**
MMW-13D Low	6/16/2009	<5.0	<5.0	**613**	10.4	<5.0	**17.3**
MMW-13D Medium (29')	6/16/2009	<5.0	<5.0	**578**	12.1	<5.0	**14.9**
MMW-13D High (17')	6/16/2009	<5.0	<5.0	**597**	9.7	<5.0	**21.1**
MMW-14D	6/16/2009	<5.0	<5.0	**648**	15.6	<5.0	**57.6**
	8/5/2009	<5.0	<5.0	**589**	10.9	<5.0	**79.1**
	11/2/2009	<5.0	<5.0	**541**	9.2	<5.0	**83.8**
	2/3/2010	<5.0	<5.0	**871**	13.9	<5.0	**84.9**
	4/20/2010	<5.0	<5.0	**763**	14.1	<5.0	**72.8**
	7/21/2010	<5.0	<5.0	**805**	14.6	<5.0	**60.8**
	10/12/2010	<5.0	<5.0	**775**	8.4	<5.0	**83.3**
	1/18/2011	<5.0	<5.0	**785**	24.0	<5.0	**109**
	4/30/2011	<5.0	<5.0	**1,070**	14.7	<5.0	**68.3**
	7/26/2011	<5.0	<5.0	**875**	15.3	<5.0	**81.0**
	10/19/2011	<5.0	<5.0	**898**	11.1	<5.0	**92.6**
Monitoring Wells (Plaza)							
MMW-P-01	11/9/2005	**33**	**210**	**160**	9.6	<5.0	**76.0**
	2/22/2007	**85.2**	**356**	**274**	16.7	<5.0	**28.7**
	6/14/2007	**111**	**368**	**350**	10.0	<5.0	**79.6**
	9/20/2007	**206**	**322**	**300**	11.5	<5.0	**127**
	12/14/2007	**230**	**320**	**240**	7.1	<5.0	**87.0**
	3/21/2008	**120**	**170**	**3,100**	25.0	<5.0	**42.0**
	6/5/2008	**22.0**	**31.5**	**3,660**	68.6	<5.0	**123**
	9/11/2008	**14.2**	**15.1**	**1,690**	<5.0	<5.0	**87.7**
	11/19/2008	<5.0	<5.0	**4,320**	<5.0	<5.0	**116**
	3/17/2009	**17.5**	**22.6**	**12,300**	**143**	<5.0	**3,290**
	6/17/2009	<50.0	<50.0	**4,020**	63.9	<50.0	**1,840**
	8/6/2009	**97.4**	<50.0	**12,200**	<50.0	<50.0	**3,730**
	11/3/2009	**103**	**58.3**	**9,330**	<50.0	<50.0	**4,770**
	2/4/2010	**104**	**60.6**	**9,190**	**130**	<50.0	**13,600**
	4/22/2010	**90.5**	**79.0**	**9,400**	94.7	<50.0	**12,600**
	7/7/2010	<50.0	<50.0	**1,880**	<50.0	<50.0	**2,960**
	10/14/2010	<125	<125	**4,760**	<125	<125	**5,440**
	1/20/2011	**153**	**140**	**1,960**	<50.0	<50.0	**11,100**
	5/5/2011	**8.4**	**26.8**	**281**	<5.0	<5.0	**232**
	7/28/2011	**5.7**	**6.0**	**734**	<5.0	<5.0	**1,070**
	10/24/2011	**23.4**	**10.0**	**839**	9.10	<5.0	**1,410**
IDEM RISC Industrial Default Cleanup Level - 2006		**55**	**31**	**1,000**	**2,000**	**1,000**	**4**
IDEM RISC Residential Default Cleanup Level - 2006		**5**	**5**	**70**	**100**	**80**	**2**

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in **RED**

All Values Over IDEM RISC Default Residential Cleanup Level in **BLUE**

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

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All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana

MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MMW-P-02	11/8/2005	24.0	<5.0	87.0	7.3	<5.0	49.0
	2/22/2007	184	<5.0	39.4	<5.0	<5.0	27.4
	6/14/2007	17.1	<5.0	35.0	<5.0	<5.0	27.5
	9/19/2007	13.3	<5.0	66.3	5.6	<5.0	50.1
	12/13/2007	7.8	<5.0	69.0	<5.0	<5.0	53.0
	3/20/2008	19.0	<5.0	67.0	<5.0	<5.0	42.0
	6/5/2008	94.9	<5.0	44.0	<5.0	<5.0	46.4
	9/11/2008	17.5	<5.0	46.6	<5.0	<5.0	42.0
	11/19/2008	10.7	<5.0	75.4	<5.0	<5.0	69.5
	3/17/2009	23.4	<5.0	65.4	5.3	<5.0	68.4
	6/17/2009	5.1	<5.0	54.2	9.2	<5.0	80.6
	8/6/2009	5.1	<5.0	55.8	<5.0	<5.0	56.2
	11/3/2009	11.1	<5.0	60.1	<5.0	<5.0	73.9
	2/4/2010	7.4	<5.0	75.8	5.8	<5.0	104
	4/22/2010	9.9	6.8	56.0	8.0	<5.0	110
	7/21/2010	24.0	<5.0	72.4	<5.0	<5.0	161
	10/13/2010	9.3	<5.0	61.0	<5.0	<5.0	95.0
	1/19/2011	15.9	<5.0	64.3	14.0	<5.0	396
	5/4/2011	9.2	<5.0	56.5	<5.0	<5.0	386
	7/27/2011	<5.0	<5.0	42.9	<5.0	<5.0	218
	10/19/2011	9.1	<5.0	36.9	<5.0	<5.0	304
MMW-P-03S	11/9/2005	110	<5.0	97.0	9.6	<5.0	<2.0
	2/22/2007	397	<5.0	105	10.0	<5.0	<2.0
	6/14/2007	256	<5.0	96.4	9.2	<5.0	9.3
	9/20/2007	144	<5.0	131	15.8	<5.0	16.0
	12/13/2007	67.0	<5.0	88.0	5.3	<5.0	15.0
	3/20/2008	130	<5.0	84.0	7.3	<5.0	10.0
	6/5/2008	19.4	<5.0	380	14.9	<5.0	10.6
	9/11/2008	<5.0	<5.0	<5.0	<5.0	<5.0	72.6
	11/19/2008	<5.0	6.0	494	<5.0	<5.0	40.8
	3/17/2009	7.5	<5.0	904	38.7	<5.0	283
	6/17/2009	<5.0	<5.0	332	22.3	<5.0	759
	8/6/2009	30.6	8.2	573	25.0	<5.0	843
	11/3/2009	<5.0	<5.0	141	16.1	<5.0	379
	2/4/2010	<5.0	<5.0	155	19.4	<5.0	382
	4/22/2010	14.2	8.9	156	13.4	<5.0	377
	7/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	141
	10/13/2010	<5.0	<5.0	70.9	9.2	<5.0	542
	1/19/2011	<5.0	<5.0	79.7	19.4	<5.0	338
	5/4/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	7/27/2011	<5.0	<5.0	29.3	<5.0	<5.0	245
	10/19/2011	<5.0	<5.0	33.5	6.6	<5.0	446
MMW-P-03D	11/9/2005	22.0	<5.0	42.0	<5.0	<5.0	2.0
	2/22/2007	48.9	<5.0	57.8	<5.0	39.0	15.6
	6/14/2007	21.7	<5.0	74.9	<5.0	<5.0	34.5
	9/19/2007	14.3	<5.0	76.1	7.3	<5.0	36.6
	12/13/2007	11.0	<5.0	40.0	<5.0	<5.0	20.0
	39527	<5.0	<5.0	170	6.0	<5.0	18.0
	39604	<5.0	<5.0	150	7.4	<5.0	26.0
	39702	<5.0	<5.0	95.7	6.4	<5.0	<2.0
	11/19/2008	<5.0	<5.0	80.6	<5.0	<5.0	36.9
	3/17/2009	<5.0	<5.0	65.2	<5.0	<5.0	69.8
	6/17/2009	<5.0	<5.0	14.9	5.9	<5.0	137
	8/6/2009	<5.0	<5.0	16.7	<5.0	<5.0	248
	11/3/2009	<5.0	<5.0	8.5	<5.0	<5.0	168
	2/4/2010	<5.0	<5.0	<5.0	<5.0	<5.0	287
	4/22/2010	<5.0	<5.0	7.2	<5.0	<5.0	211
	7/21/2010	6.6	<5.0	271	8.1	<5.0	305
	10/13/2010	<5.0	<5.0	<5.0	<5.0	<5.0	16.2
	1/19/2011	<5.0	<5.0	<5.0	<5.0	<5.0	46.2
	5/4/2011	<5.0	<5.0	64.3	<5.0	<5.0	118
	7/27/2011	<5.0	<5.0	<5.0	<5.0	<5.0	10.5
	10/18/2011	<5.0	<5.0	<5.0	<5.0	<5.0	61.5
IDEM RISC Industrial Default Cleanup Level - 2006		55	31	1,000	2,000	1,000	4
IDEM RISC Residential Default Cleanup Level - 2006		5	5	70	100	80	2

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in **RED**

All Values Over IDEM RISC Default Residential Cleanup Level in **BLUE**

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

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Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana

MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MMW-P-04	11/9/2005	**180**	<5.0	<5.0	<5.0	<5.0	<2.0
	2/22/2007	**315**	<5.0	<5.0	<5.0	<5.0	<2.0
	6/14/2007	**268**	<5.0	<5.0	<5.0	<5.0	<2.0
	9/20/2007	**214**	<5.0	<5.0	<5.0	<5.0	<2.0
	12/13/2007	**62.0**	<5.0	<5.0	<5.0	<5.0	<2.0
	3/20/2008	**120**	<5.0	<5.0	<5.0	<5.0	<2.0
	6/6/2008	**154**	**6.0**	59.7	<5.0	<5.0	<2.0
	9/11/2008	**31.9**	<5.0	**360**	7.1	<5.0	<2.0
	11/19/2008	**45.0**	<5.0	**248**	<5.0	<5.0	<2.0
	3/18/2009	**19.4**	**5.4**	**304**	10.8	<5.0	<2.0
	6/17/2009	**35.3**	**5.4**	**827**	22.0	<5.0	**2.0**
	8/6/2009	<5.0	<5.0	15.1	<5.0	<5.0	<2.0
	11/5/2009	<5.0	<5.0	**1,190**	36.9	<5.0	**90.9**
	2/12/2010	<5.0	<5.0	**144**	8.3	<5.0	**224**
	4/21/2010	<5.0	<5.0	**268**	15.8	<5.0	**364**
	7/22/2010	<5.0	<5.0	**189**	12.9	<5.0	**402**
	10/13/2010	<5.0	<5.0	10.3	<5.0	<5.0	**16.8**
	2/18/2011	<5.0	<5.0	6.4	<5.0	<5.0	**36.3**
	5/5/2011	**144**	<5.0	**76.2**	<5.0	<5.0	**124**
	7/28/2011	<5.0	<5.0	30.6	<5.0	<5.0	**78.8**
	10/24/2011	<5.0	<5.0	14.8	<5.0	<5.0	**68.7**
MMW-P-05	11/8/2005	<5.0	<5.0	6.2	<5.0	<5.0	<2.0
	2/22/2007	**23.7**	<5.0	9.1	<5.0	<5.0	<2.0
	6/14/2007	<5.0	<5.0	18.8	<5.0	<5.0	<2.0
	9/19/2007	<5.0	<5.0	18.8	<5.0	<5.0	<2.0
	12/14/2007	<5.0	<5.0	14.8	<5.0	<5.0	<2.0
	3/20/2008	<5.0	<5.0	8.1	<5.0	<5.0	<2.0
	6/5/2008	<5.0	<5.0	15.6	<5.0	<5.0	<2.0
	9/11/2008	<5.0	<5.0	16.7	<5.0	<5.0	<2.0
	11/19/2008	<5.0	<5.0	22.1	<5.0	<5.0	<2.0
	3/17/2009	<5.0	<5.0	13.7	<5.0	<5.0	<2.0
	6/17/2009	<5.0	<5.0	10.9	6.6	<5.0	<2.0
	8/6/2009	<5.0	<5.0	15.1	<5.0	<5.0	<2.0
	11/3/2009	<5.0	<5.0	7.6	<5.0	<5.0	**2.7**
	2/4/2010	<5.0	<5.0	6.8	<5.0	<5.0	<2.0
	4/22/2010	<5.0	<5.0	8.6	<5.0	<5.0	<2.0
	7/21/2010	<5.0	<5.0	10.4	<5.0	<5.0	**5.3**
	10/13/2010	<5.0	<5.0	13.6	<5.0	<5.0	**3.9**
	1/20/2011	<5.0	<5.0	14.1	<5.0	<5.0	<2.0
	4/30/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**9.2**
	7/27/2011	<5.0	<5.0	10.3	<5.0	<5.0	**307**
	10/19/2011	<5.0	<5.0	8.3	<5.0	<5.0	**48.3**
MMW-P-06	11/8/2005	<5.0	<5.0	**200**	24.0	<5.0	**21.0**
	2/22/2007	<5.0	<5.0	**158**	19.2	<5.0	<2.0
	6/14/2007	<5.0	<5.0	**214**	22.7	<5.0	**13.3**
	9/19/2007	<5.0	<5.0	**283**	38.2	<5.0	**26.1**
	12/14/2007	<5.0	<5.0	**260**	40.0	<5.0	**31.0**
	3/20/2008	<5.0	<5.0	**250**	31.0	<5.0	**26.0**
	6/5/2008	<5.0	<5.0	**265**	30.9	<5.0	**40.1**
	9/11/2008	<5.0	<5.0	**271**	33.3	<5.0	<2.0
	11/19/2008	<5.0	<5.0	**292**	<5.0	<5.0	**61.4**
	3/17/2009	<5.0	<5.0	**292**	35.3	<5.0	<2.0
	6/17/2009	<5.0	<5.0	**145**	22.2	<5.0	**90.6**
	8/6/2009	<5.0	<5.0	**136**	14.3	<5.0	**301**
	11/3/2009	<5.0	<5.0	**107**	15.2	<5.0	**292**
	2/4/2010	<5.0	<5.0	**79.1**	11.2	<5.0	**1,870**
	4/22/2010	<5.0	<5.0	23.7	8.0	<5.0	**2,470**
	7/21/2010	<50.0	<50.0	<50.0	<50.0	<50.0	**5,870**
	10/14/2010	<100	<100	<100	<100	<100	**12,900**
	1/20/2011	<100	<100	**2,700**	<100	<100	**15,000**
	5/4/2011	<50.0	<50.0	**2,850**	<50.0	<50.0	**14,400**
	7/28/2011	<50.0	<50.0	**1,670**	<50.0	<50.0	**15,600**
	10/24/2011	<50.0	<50.0	**10,100**	<50.0	<50.0	**11,300**
IDEM RISC Industrial Default Cleanup Level - 2006		**55**	**31**	**1,000**	**2,000**	**1,000**	**4**
IDEM RISC Residential Default Cleanup Level - 2006		**5**	**5**	**70**	**100**	**80**	**2**

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in **RED**

All Values Over IDEM RISC Default Residential Cleanup Level in **BLUE**

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" desgination indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana

MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MMW-P-07	2/22/2007	**3,060**	**81.5**	**82.0**	8.8	<5.0	<2.0
	6/14/2007	**2,850**	**90.0**	**82.5**	<50.0	<50.0	<20.0
	9/20/2007	**5,200**	**109**	**121**	16.1	<5.0	**2.0**
	12/13/2007	**1,440**	**157**	**930**	8.8	7.4	**80.0**
	3/21/2008	**31.0**	**7.6**	**1,700**	27.0	<5.0	**110**
	6/5/2008	<5.0	<5.0	**938**	15.6	<5.0	**466**
	9/11/2008	<5.0	<5.0	**1,870**	55.2	<5.0	**1,620**
	11/19/2008	<5.0	<5.0	**797**	<5.0	<5.0	**749**
	3/17/2009	<5.0	<5.0	**361**	17.7	<5.0	**1,830**
	6/17/2009	<5.0	<5.0	**87.1**	9.4	<5.0	**1,130**
	8/6/2009	<5.0	<5.0	**48.7**	<5.0	<5.0	**787**
	11/3/2009	<5.0	<5.0	**809**	14.1	<5.0	**1,510**
	2/4/2010	<5.0	<5.0	**555**	12.4	<5.0	**1,880**
	4/22/2010	<5.0	**7.0**	**1,050**	23.7	<5.0	**2,080**
	7/22/2010	<5.0	<5.0	**247**	7.8	<5.0	**1,680**
	10/14/2010	<25.0	<25.0	**665**	<25.0	<25.0	**2,310**
	1/20/2011	<5.0	<5.0	**295**	13.9	<5.0	**562**
	5/4/2011	<5.0	<5.0	**72.0**	<5.0	<5.0	**2,170**
	7/28/2011	<5.0	<5.0	**73.6**	<5.0	<5.0	**978**
	10/24/2011	<5.0	<5.0	37.3	<5.0	<5.0	**388**
MMW-P-08	2/22/2007	**6,280**	**281**	**240**	26.7	<5.0	<2.0
	6/14/2007	**6,440**	**310**	**169**	<50.0	<50.0	<20.0
	9/20/2007	**9,780**	**494**	**201**	25.3	<5.0	**6.5**
	12/14/2007	**390**	**210**	**5,800**	<50.0	<50.0	<20.0
	3/21/2008	**6.7**	**11.0**	**6,500**	**130**	<5.0	**55.0**
	6/5/2008	<5.0	<5.0	<5.0	<5.0	<5.0	**562**
	9/11/2008	**5.8**	**5.0**	**18,300**	**686**	<50.0	**4,740**
	11/19/2008	<50.0	<50.0	**5,690**	91.4	<50.0	**13,000**
	3/17/2009	<5.0	<5.0	**1,130**	47.1	<5.0	**5,680**
	6/17/2009	<125	<125	**356**	**145**	<5.0	**7,200**
	8/6/2009	<125	<125	**601**	<50.0	<50.0	**8,960**
	11/3/2009	<50.0	<50.0	**86.7**	<50.0	<50.0	**2,860**
	2/4/2010	<50.0	<50.0	**1,140**	<50.0	<50.0	**4,860**
	4/22/2010	<5.0	<5.0	45.7	8.1	<5.0	**2,180**
	7/22/2010	<5.0	<5.0	**97.8**	<5.0	<5.0	**1,320**
	10/14/2010	<25.0	<25.0	39.5	<25.0	<25.0	**676**
	1/20/2011	<5.0	<5.0	**590**	14.8	<25.0	**1,770**
	5/4/2011	<5.0	<5.0	**288**	<5.0	<5.0	**2,030**
	7/27/2011	<5.0	<5.0	35.9	<5.0	<5.0	**274**
	10/24/2011	<5.0	<5.0	32.5	<5.0	<5.0	**136**
MMW-P-09S	2/22/2007	**10.0**	<5.0	<5.0	<5.0	<5.0	<2.0
	6/14/2007	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	9/19/2007	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	12/12/2007	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	3/20/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	6/5/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	9/11/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	11/19/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	3/17/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	6/16/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	8/6/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	11/3/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	2/3/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	7/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	10/13/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	1/19/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/30/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	7/26/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	10/18/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
IDEM RISC Industrial Default Cleanup Level - 2006		**55**	**31**	**1,000**	**2,000**	**1,000**	**4**
IDEM RISC Residential Default Cleanup Level - 2006		**5**	**5**	**70**	**100**	**80**	**2**

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in **RED**

All Values Over IDEM RISC Default Residential Cleanup Level in **BLUE**

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" desgination indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana

MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MMW-P-09D	6/14/2007	<5.0	<5.0	<5.0	<5.0	<5.0	**46.2**
	9/19/2007	<5.0	<5.0	<5.0	<5.0	<5.0	**83.1**
	12/12/2007	<5.0	<5.0	<5.0	<5.0	<5.0	**71.0**
	3/20/2008	<5.0	<5.0	<5.0	<5.0	<5.0	**3.0**
	6/5/2008	<5.0	<5.0	<5.0	<5.0	<5.0	**100**
	9/11/2008	<5.0	<5.0	<5.0	<5.0	<5.0	**72.6**
	11/19/2008	<5.0	<5.0	<5.0	<5.0	<5.0	**97.2**
	3/17/2009	<5.0	<5.0	<5.0	<5.0	<5.0	**85.1**
	6/16/2009	<5.0	<5.0	<5.0	<5.0	<5.0	**73.5**
	8/6/2009	<5.0	<5.0	<5.0	<5.0	<5.0	**80.8**
	11/3/2009	<5.0	<5.0	<5.0	<5.0	<5.0	**87.1**
	2/3/2010	<5.0	<5.0	<5.0	<5.0	<5.0	**111**
	4/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	**76.9**
	7/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	**81.2**
	10/13/2010	<5.0	<5.0	<5.0	<5.0	<5.0	**70.6**
	1/19/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**66.9**
	4/30/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**74.5**
	7/26/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**83.3**
	10/21/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**71.9**
MMW-P-10S	6/14/2007	**36.1**	**36.3**	61.6	6.9	<5.0	<2.0
	7/6/2007	**87.9**	**54.9**	**92.1**	10.2	<5.0	<2.0
	9/19/2007	**192**	**82.6**	**126**	14.4	<5.0	<2.0
	12/14/2007	**71.0**	<5.0	<5.0	<5.0	<5.0	**2.4**
	3/20/2008	**26.8**	**19.2**	**250**	12.2	<5.0	<2.0
	6/5/2008	**15.0**	**9.7**	**537**	16.0	<5.0	**114**
	9/11/2008	**74.8**	**36.5**	**1,650**	74.0	<5.0	**27.7**
	11/19/2008	**78.6**	**28.0**	**1,510**	<5.0	<5.0	**22.3**
	3/17/2009	**11.9**	**8.6**	**1,160**	71.5	<5.0	<2.0
	6/17/2009	<5.0	<5.0	**331**	20.5	<5.0	**63.9**
	8/6/2009	<5.0	<5.0	**158**	16.1	<5.0	**395**
	11/3/2009	<5.0	<5.0	29.6	<5.0	<5.0	**288**
	2/4/2010	<5.0	<5.0	45.4	<5.0	<5.0	**419**
	4/22/2010	<5.0	<5.0	16.2	<5.0	<5.0	**118**
	7/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	**16.5**
	10/14/2010	<5.0	<5.0	5.4	<5.0	<5.0	**381**
	1/20/2011	<5.0	<5.0	11.7	<5.0	<5.0	**27.8**
	5/5/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	7/27/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**12.5**
	10/21/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MMW-P-10D	6/14/2007	<5.0	**10.6**	**481**	7.7	<5.0	**98.7**
	7/6/2007	<5.0	<5.0	**498**	9.0	<5.0	**118**
	9/19/2007	<5.0	<5.0	**350**	<5.0	<5.0	**76.1**
	12/14/2007	<5.0	<5.0	**270**	<5.0	<5.0	**77.0**
	3/20/2008	<5.0	<5.0	<5.0	<5.0	<5.0	**3.0**
	6/5/2008	<5.0	<5.0	**508**	<5.0	<5.0	**267**
	9/11/2008	<5.0	<5.0	**435**	<5.0	<5.0	**288**
	11/19/2008	<5.0	<5.0	**3,390**	<5.0	<5.0	**5,030**
	3/17/2009	<5.0	<5.0	**4,860**	12.9	<5.0	**2,500**
	6/17/2009	<5.0	<5.0	**3,710**	9.6	<5.0	**9,070**
	8/6/2009	<5.0	<5.0	**2,520**	5.1	<5.0	**3,400**
	11/3/2009	<5.0	<5.0	**2,740**	<5.0	<5.0	**3,500**
	2/4/2010	<5.0	<5.0	**406**	<5.0	<5.0	**2,130**
	4/22/2010	<5.0	<5.0	30.5	<5.0	<5.0	**364**
	7/22/2010	<5.0	<5.0	**120**	<5.0	<5.0	**865**
	10/14/2010	<25.0	<25.0	<25.0	<25.0	<25.0	**707**
	1/20/2011	<5.0	<5.0	21.4	<5.0	<5.0	**1,210**
	5/5/2011	<5.0	<5.0	8.1	<5.0	<5.0	**272**
	7/27/2011	<5.0	<5.0	46.5	<5.0	<5.0	**825**
	10/21/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**444**
Keramida/Environ Monitoring Wells (Off-site)							
MW-165D	7/7/2010	<5.0	<5.0	**122**	<5.0	<5.0	**202**
MW-167S	11/7/2005	<5.0	<5.0	<5.0	<5.0	<5.0	**14.0**
	6/5/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	6/17/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
IDEM RISC Industrial Default Cleanup Level - 2006		**55**	**31**	**1,000**	**2,000**	**1,000**	**4**
IDEM RISC Residential Default Cleanup Level - 2006		**5**	**5**	**70**	**100**	**80**	**2**

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in **RED**

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Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana

MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MW167D	11/7/2005	<5.0	<5.0	**750**	<5.0	<5.0	**110**
	6/5/2008	<5.0	<5.0	**616**	28.0	<5.0	**43.8**
	6/17/2009	<5.0	<5.0	**612**	22.1	<5.0	**23.8**
	4/21/2010	<5.0	<5.0	**626**	22.1	<5.0	**25.6**
	4/29/2011	<5.0	<5.0	**392**	18.9	<5.0	**14.9**
MW-168S	11/7/2005	**280**	**16.0**	53.0	<5.0	<5.0	**3.0**
	2/21/2007	**30.1**	**8.8**	**155**	<5.0	<5.0	**29.6**
	6/14/2007	<5.0	<5.0	40.8	<5.0	<5.0	**34.0**
	9/19/2007	**32.6**	**8.0**	**82.4**	<5.0	<5.0	**3.5**
	12/13/2007	**52.0**	**14.0**	**78.0**	<5.0	<5.0	**4.1**
	3/20/2008	**92.0**	**12.0**	46.0	<5.0	<5.0	**4.2**
	6/5/2008	**80.4**	**10.1**	41.1	<5.0	<5.0	**3.6**
	9/11/2008	**68.5**	**10.8**	66.9	<5.0	<5.0	**5.5**
	8/7/2009	**62.6**	**10.2**	**118**	<5.0	NS	**9.9**
	4/21/2010	**14.0**	**7.0**	21.9	<5.0	<5.0	<2.0
MW-168D	11/7/2005	<5.0	<5.0	6.8	<5.0	<5.0	**49.0**
	2/21/2007	<5.0	<5.0	8.4	<5.0	<5.0	**58.1**
	6/14/2007	<5.0	<5.0	5.2	<5.0	<5.0	**47.5**
	9/19/2007	<5.0	<5.0	<5.0	<5.0	<5.0	**89.7**
	12/12/2007	<5.0	<5.0	<5.0	<5.0	<5.0	**74.0**
	3/20/2008	<5.0	<5.0	8.0	<5.0	<5.0	**39.0**
	6/5/2008	<5.0	<5.0	13.4	<5.0	<5.0	**65.9**
	9/11/2008	<5.0	<5.0	5.5	<5.0	<5.0	<2.0
	3/17/2009	<5.0	<5.0	16.5	<5.0	<5.0	<2.0
	6/18/2009	<5.0	<5.0	<5.0	<5.0	<5.0	**14.5**
	8/7/2009	<5.0	<5.0	<5.0	<5.0	<5.0	**36.2**
	11/4/2009	<5.0	<5.0	<5.0	<5.0	<5.0	**99.1**
	2/4/2010	<5.0	<5.0	6.3	<5.0	<5.0	**128**
	4/21/2010	<5.0	<5.0	13.2	<5.0	<5.0	**134**
	7/22/2010	<5.0	<5.0	6.0	<5.0	<5.0	**122**
	10/13/2010	<5.0	<5.0	<5.0	<5.0	<5.0	**134**
	4/29/2011	<5.0	<5.0	<5.0	10.0	<5.0	**96.4**
	7/28/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**228**
	10/24/2011	<5.0	<5.0	8.9	<5.0	<5.0	**137**
MW-169S	11/7/2005	<5.0	<5.0	<5.0	<5.0	NA	<2.0
	6/5/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MW-169D	11/7/2005	<5.0	<5.0	<5.0	<5.0	NA	**5.1**
	6/5/2008	<5.0	<5.0	<5.0	<5.0	<5.0	**14.3**
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	**6.1**
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**9.1**
MW-170S	6/3/2008	<5.0	<5.0	<5.0	<5.0	<5.0	**5.5**
	6/17/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
IDEM RISC Industrial Default Cleanup Level - 2006		**55**	**31**	**1,000**	**2,000**	**1,000**	**4**
IDEM RISC Residential Default Cleanup Level - 2006		**5**	**5**	**70**	**100**	**80**	**2**

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in **RED**

All Values Over IDEM RISC Default Residential Cleanup Level in **BLUE**

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" desgination indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana

MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MW-170D	6/3/2008	<5.0	<5.0	<5.0	<5.0	<5.0	**230**
	6/17/2009	<5.0	<5.0	<5.0	<5.0	<5.0	**174**
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	**161**
	7/7/2010	<5.0	<5.0	<5.0	<5.0	<5.0	**233**
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**100**
MW-171S	6/3/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MW-171D	6/3/2008	<5.0	<5.0	<5.0	<5.0	<5.0	**3.0**
	6/16/2009	<5.0	<5.0	<5.0	<5.0	<5.0	**2.2**
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	**6.3**
	7/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
Floral Park Cemetery Wells (Off-site)							
MMW-C-01	11/20/2008	**15.7**	**8.3**	**296**	<5.0	<5.0	<2.0
	3/17/2009	<5.0	<5.0	**508**	7.3	<5.0	<2.0
	6/18/2009	**23.2**	<5.0	<5.0	<5.0	<5.0	<2.0
	8/6/2009	**84.8**	<5.0	66.9	<5.0	<5.0	**35.2**
	11/3/2009	**12.6**	<5.0	**211**	8.9	<5.0	**2,720**
	2/3/2010	<5.0	<5.0	**176**	10.1	<5.0	**1,790**
	4/21/2010	**15.3**	<5.0	**165**	7.1	<5.0	**1,660**
	7/22/2010	**40.9**	<5.0	22.4	<5.0	<5.0	**8.1**
	10/14/2010	<5.0	<5.0	69.1	<5.0	<5.0	**1,100**
	1/19/2011	<5.0	<5.0	14.7	<5.0	<5.0	**215**
	5/5/2011	**22.2**	<5.0	<5.0	<5.0	<5.0	<2.0
	7/27/2011	**36.7**	<5.0	17.1	<5.0	<5.0	**150**
	10/21/2011	**18.7**	<5.0	20.6	<5.0	<5.0	**59**
MMW-C-02	11/20/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	3/17/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	6/18/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	8/6/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	11/3/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	2/3/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	7/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	10/13/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	1/19/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/30/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	7/27/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	10/18/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MMW-P-11S	9/9/2011	**76.1**	<5.0	5.9	<5.0	<5.0	**9.1**
	10/24/2011	**592**	<5.0	<5.0	<5.0	<5.0	**2.5**
MMW-P-12S	9/9/2011	<5.0	<5.0	**741**	14.1	<5.0	**50.8**
	10/24/2011	<5.0	<5.0	**642**	19.2	<5.0	**60.7**
MMW-P-12D	9/9/2011	<5.0	<5.0	**678**	15.9	<5.0	**63.0**
	10/24/2011	<5.0	<5.0	**644**	14.2	<5.0	**71.3**
MMW-P-13S	9/9/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**8.3**
	10/24/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**19.8**
MMW-P-13D	9/9/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**139**
	10/24/2011	<5.0	<5.0	<5.0	<5.0	<5.0	**116**
IDEM RISC Industrial Default Cleanup Level - 2006		**55**	**31**	**1,000**	**2,000**	**1,000**	**4**
IDEM RISC Residential Default Cleanup Level - 2006		**5**	**5**	**70**	**100**	**80**	**2**

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in **RED**

All Values Over IDEM RISC Default Residential Cleanup Level in **BLUE**

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" desgination indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 4
Cumulative Groundwater Analytical Data for Enhanced Anaerobic Bioremediation
Monitored Natural Attenuation Indicator Parameters
3801-3823 West Michigan Street
Michigan Plaza
Indianapolis, Indiana
MUNDELL Job No.: M01046

Well ID	Sample Date	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity	Nitrogen, Nitrate	Nitrogen, Nitrite	Iron	Total Organic Carbon	Sulfate	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid and HIBA	Pentanoic Acid	Propionic Acid	Pyruvic Acid	Ethane	Ethene	Methane
		-	ug/L	mV	uS/cm	mg/L														ug/l		
		FIELD MEASUREMENTS				LAB RESULTS																
MMW-1S	2/22/2007	8.0	4,800	290	920.0																	
	9/19/2007	7.2	3,100	240	1100.0																	
	12/13/2007		6,400	430	910.0																	
	3/21/2008		1,650	230	3752.6	8.3				37.5												
	6/3 & 6/6/2008		1,286		3346.1	2.5				36.6	9.0	0.14	0.35	<0.10	<0.070	0.35	<0.070	1.4	<0.070	<0.025	<0.025	270
	9/11/2008					5.8				95.0												
	11/20/2008	6.8	824	533	3044.0	<0.10				71.3												
	3/16/2009	6.7	4,879	484	2794.0	7.3				67.6												
	6/16/2009					9.3				42.8												
	8/5/2009					<0.10				150												
	11/2/2009	6.7	1,900	-28	1235.4	<0.10				12.4										0.12	0.18	14,000
	2/3/2010	6.7	5,359	-47	1163.7	<0.10				13.3										0.086	0.10	18,000
	4/22/2010	6.8	2,753	-43	1309.1	9.6				33.6												
	7/21 & 7/22/2010	6.6	2,413	18	1543.3	5.6				51.4												
	10/12/2010	6.6	5,576	-229	1518.3	<0.10				60.0												
	1/19/2011	6.8	2,245		1190.3	<0.10				76.4	<0.070	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15			
	5/4/2011	6.8	2,771	-79	1258.1	19.3	<0.10	0.0	1.8	35.0	0.12	<0.050	<0.050	<0.050	<0.15	0.38	<0.070	0.072	<0.15	<0.025	0.048	12.0
	7/28/2011	6.6	730	-179	1474.0	<0.10	<0.10	0.0	3.1	96.0	0.25	0.092	<0.050	<0.050	<0.15	0.87	<0.070	0.068	<0.15	<0.025	0.160	9,000
	10/19/2012	6.8	170	-60	1172.0	<0.10	<0.10	2.3	1.7	56.2	0.083	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	0.064	<0.15	0.029	0.280	13,000
*MMW-2S	6/2/2008	7.0			867.7																	
	4/22/2010	7.2	7,865	107	786.4																	
	4/30/2011	7.3	9,482	21	619.5																	
*MMW-3S	6/6/2008	7.0	505		2673.1																	
	4/20/2010	7.2	454	75	932.6																	
	5/4/2011	7.2	587	-228	892.3																	
*MMW-4D	6/2/2008	7.0	153		1541.2																	
	4/20/2010	7.1	379	0	1209.8																	
	4/29/2011	7.1	764	-104	1227.6																	
*MMW-5D	6/2/2008	7.1			1090.6																	
	4/20/2010	7.1	304	126	1064.0																	
	4/29/2011	7.3	266	-233	1472.3																	
*MMW-6D	6/6/2008	7.4	514		2907.3																	
	4/20/2010	7.4	362	51	1060.9																	
	4/29/2011	7.3	142	-251	1238.8																	
*MMW-7S	6/6/2008	6.4	441		3119.3																	
	4/20/2010	6.8	637	200	1013.2																	
	5/4/2011	6.9	1,321	-205	1080.1																	
MMW-8S	9/19/2007	7.7	2,300	-43	780.0																	
	12/13/2007	6.0		220	1.5																	
	3/20/2008		180		0.3																	
	6/6/2008		1,271		3385.2																	
	11/20/2008	7.1	487	515	2761.4																	
	3/16/2009	6.6	2,188	698	2647.0																	
	8/5/2009	7.1	2,439	-160	1024.3																	
	11/2/2009	7.0	1,805	-71	955.4																	
	2/3/2010	7.0	4,638	-49	840.9																	
	4/22/2010	7.1	1,303	-47	891.8																	
	7/21/2010	7.0	1,709	-32	995.1																	
	10/12/2010	7.1	124	-274	879.8																	
	1/19/2011	6.7	969		1002.3																	
	4/30/2011	6.8	200	-164	1905.7	16.3	<0.40	2.5	2.2	108	0.10	<0.050	<0.050	<0.050	<0.15	0.22	<0.070	0.065	<0.15	0.07	33.0	7,600
	7/28/2011	6.6	2,202	-47	2259.3	<0.10	<0.10	3.5	1.1	227	<0.070	<0.050	<0.050	<0.050	<0.15	0.20	<0.070	<0.050	<0.15	0.16	26.0	8,500
	10/24/2011	7.0	190	-90	1016.0	<0.10	<0.10	3.8	1.4	250	<0.070	<0.050	<0.050	<0.050	<0.15	0.45	<0.070	<0.050	<0.15	0.18	78.0	20,000

Table 4
Cumulative Groundwater Analytical Data for Enhanced Anaerobic Bioremediation
Monitored Natural Attenuation Indicator Parameters
3801-3823 West Michigan Street
Michigan Plaza
Indianapolis, Indiana
MUNDELL Job No.: M01046

Well ID	Sample Date	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity	Nitrogen, Nitrate	Nitrogen, Nitrite	Iron	Total Organic Carbon	Sulfate	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid and HIBA	Pentanoic Acid	Propionic Acid	Pyruvic Acid	Ethane	Ethene	Methane
		-	ug/L	mV	uS/cm	mg/L														ug/l		
		FIELD MEASUREMENTS				LAB RESULTS																
MMW-9S	9/20/2007	7.7	3,000	260	1500.0																	
	12/12/2007		9,300	180	1300.0																	
	3/21/2008		44	918	5173.4					230												
	6/6/2008	6.9			1223.7	<0.10				154	3.0	<0.070	<0.10	<0.10	<0.070	0.28	<0.070	1.1	0.22	0.10	0.48	4,400
	9/11/2008					<0.10				152												
	11/20/2008	6.5	419	558	4141.3	<0.10				98.5												
	3/16/2009	6.8	4,601	222	3678.1	<0.10				74.2												
	6/16/2009				12.0	<0.10				237												
	8/5/2009					<0.10				208												
	11/2/2009	6.6	1,861	35	1396.4	<0.10				135										0.13	160	6,200
	2/3/2010	6.6	5,596	11	1372.2	<0.10				116										0.12	150	9,400
	2/4/2010																					
	4/22/2010	6.6	1,456	-61	2012.4	<0.10				94.0												
	7/21/2010	6.6	3,403	-60	1485.9	<0.10				125												
	10/12/2010	6.6	564	-308	1540.1	<0.10				122												
	1/19/2011	6.9	2,815		1500.3	0.22				83.2	<0.070	<0.050	<0.050	<0.050	<0.15	0.21 B	<0.070	<0.050	<0.15			
	5/4/2011	6.7	235	-255	1878.6	<0.10	<0.10	6.0	3.8	189	0.094	<0.050	<0.050	<0.050	<0.15	0.34	<0.070	0.06	<0.15	1.5	82.0	12,000
	7/27/2011	6.5	434	-187	1835.3	<0.10	<0.10	3.2	1.7	217	<0.070	<0.050	<0.050	<0.050	<0.15	0.27	<0.070	<0.050	<0.15	1.6	48.0	16,000
	10/24/2011	6.6	180	-40	2035.0	<0.10	<0.10	2.3	2.6	164	0.078	<0.050	<0.050	<0.050	<0.15	0.15	<0.070	0.075	<0.15	22.0	1.9	7,000
MMW-10S	9/19/2007	7.4	1,900	260	1400.0																	
	12/12/2007		6,000	250	1300.0																	
	3/21/2008		109		5514.0																	
	6/6/2008	6.7	230		1604.6																	
	9/10/2008	6.5	308		4517.3																	
	11/20/2008	6.6	545	585	4320.5																	
	3/16/2009	6.9	5,003	159	3510.4																	
	11/2/2009	6.6	1,970	-15	1683.6																	
	2/3/2010	6.6	5,474	-43	1547.1																	
	4/22/2010	6.6	1,396	-91	1835.1																	
	7/20/2010	6.6	2,423	-56	1806.6																	
	10/12/2010	6.6	951	-261	1852.2																	
	1/19/2011	6.9	2,654		1523.3																	
	5/4/2011	6.7	243	-247	1630.2	<0.10	<0.10	4.5	3.0	368	0.083	<0.070	<0.10	<0.10	<0.070	0.40	<0.070	0.063	<0.15	0.028	14.0	9,700
	7/27/2011	6.6	513	-158	1,734.6	<0.10	<0.10	3.0	3.4	414	<0.070	<0.070	<0.10	<0.10	0.150	0.28	<0.070	0.049	<0.15	0.15	29.0	13,000
	10/19/2011	6.7	200	-70	1,646.0	<0.10	<0.10	2.9	2.6	130	<0.070	<0.070	<0.10	<0.10	<0.070	0.12	<0.070	0.069	<0.15	0.084	12.0	10,000
MMW-11S	9/19/2007	7.6	2,300	220	880.0																	
	12/13/2007			390	720.0																	
	3/20/2008		200		3617.6					93.6												
	6/5 & 6/6/2008	7.1			723.8	<0.10				87.5	0.19	<0.070	<0.10	<0.10	<0.070	0.23	<0.070	<0.070	<0.070	0.26	0.21	18.0
	9/10 & 9/11/2008	6.8	338		0.3	<0.10				147												
	11/20/2008	7.0	782	518	2954.9	<0.10				138												
	3/16/2009	6.6	2,540	738	2887.2	5.6				187												
	6/16/2009					<0.10				202												
	8/5/2009	7.0	2,457	127	951.5	<0.10				176												
	11/2/2009	6.9	1,847	40	981.8	1.2				159										0.035	0.044	2.9
	2/3/2010	6.9	4,936	-24	1043.2	3.6				159										0.013	0.026	0.26
	4/22/2010	7.0	1,807	103	959.6	4.1				192												
	7/21 & 7/22/2010	7.0	1,751	50	1037.3	0.20				216												
	10/12/2010	7.0	301	-217	954.2	0.48				108												
	1/19/2011	6.7	305		975.5	5.1				173	<0.070	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15			
	4/30/2011	7.2	4,373	-30	850.1																	
	7/26/2011	6.9	250	-169	764.5																	
	10/21/2011	7.0	260	140	1108.0																	
MMW-11D	3/16/2009	6.6	2,969	715	2745.4																	
	8/5/2009	7.1	2,358	41	830.1																	
	11/2/2009	7.0	2,495	-23	889.3																	
	2/3/2010	6.9	4,812	-1	939.2																	
	4/22/2010	7.0	1,325	96	945.6																	
	7/21/2010	7.0	1,820	36	960.9																	
	10/12/2010	7.0	209	-221	954.0																	
	1/19/2011	6.7	292		885.7																	
	4/30/2011	7.0	349	-123	906.1																	
	7/26/2011	6.8	394	-156	689.5																	
	10/21/2011	7.1	200	0	917.0																	

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Well ID	Sample Date	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity	Nitrogen, Nitrate	Nitrogen, Nitrite	Iron	Total Organic Carbon	Sulfate	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid and HIBA	Pentanoic Acid	Propionic Acid	Pyruvic Acid	Ethane	Ethene	Methane
		-	ug/L	mV	uS/cm	mg/L														ug/l		
		FIELD MEASUREMENTS				LAB RESULTS																
MMW-12S	3/16/2009	6.6	4,079	606	2817.7																	
	11/2/2009	6.9	1,885	116	948.2																	
	2/3/2010	6.8	5,624	251	1038.5																	
	4/20/2010	7.0	234	170	1046.2																	
	7/20/2010	7.0	10,359	160	932.5																	
	10/12/2010	6.9	349	-155	1026.0																	
	1/18/2011	6.6	640		1050.5																	
	4/30/2011	6.9	296	-118	1075.0																	
	7/26/2011	6.8	400	-114	1006.6																	
	10/18/2011	6.5	180	220	1063.0																	
MMW-13D	3/16/2009	6.6	3,463	662	2420.6																	
	8/5/2009	7.2	2,502	-49	867.0																	
	11/2/2009	7.2	1,790	-61	664.9																	
	2/3/2010	7.2	5,090	-75	700.2																	
	4/22/2010	7.1	1,743	-55	828.3																	
	7/20/2010	7.2	1,906	-38	823.8																	
	10/12/2010	7.3	116	-255	759.8																	
	1/19/2011	6.6	230		697.0																	
	4/30/2011	7.2	340	-128	877.9																	
	7/26/2011	7.0	1,428	-204	913.7																	
	10/18/2011	7.3	180	-100	789.9																	
MMW-14D	3/21/2008		78	895	5197.5																	
	6/5/2008	7.1			1003.5																	
	9/11/2008	7.0	14		0.4																	
	11/19/2008	6.9	1,070																			
	3/18/2009	6.7	850	780	2190.7																	
	8/5/2009	7.1	2,440	-83	763.8																	
	11/2/2009	7.1	1,820	1	782.7																	
	2/3/2010	7.0	5,793	303	779.2																	
	4/20/2010	7.1	231	111	750.8																	
	7/20/2010	7.1	4,430	-55	803.6																	
	10/12/2010	7.1	221	-224	820.2																	
	1/18/2011	6.7	247		812.7																	
	4/30/2011	7.2	397	-150	738.4																	
	7/26/2011	7.0	262	-183	827.0																	
	10/19/2011	6.8	240	-50	844.7																	
MMW-P-01	3/20/2008		21		5619.1																	
	6/7/2008		1,252		0.4																	
	11/19/2008	6.7	221																			
	3/17/2009	6.8	929	468	3419.4																	
	11/3/2009	6.7	1,774	-48	1824.2																	
	2/4/2010	6.9	697	-132	1530.4																	
	4/22/2010	7.1	1,376	-255	1493.8																	
	7/7/2010										2.5	<0.05	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15			
	7/21/2010	6.8	2,113	-130	1421.3																	
	10/14/2010	6.8	203	-164	1382.5																	
	1/20/2011	6.8	1,354		1609.8																	
	5/5/2011	6.7	1,003	-176	1977.6	1.9	0.15	2.4	6.3	285	0.10	<0.070	<0.10	<0.10	<0.070	0.45	<0.070	0.071	<0.15	0.12	240	3,000
	7/28/2011	6.7	628	-161	1508.8	<0.10	<0.10	3.2	3.4	145	<0.070	<0.050	<0.050	<0.050	<0.15	0.28	<0.070	0.050	<0.15	0.76	670	13,000
	10/24/2011	6.8	120	-90	1694.0	<0.10	<0.10	5.0	2.6	81.5	1.0	<0.050	<0.050	<0.050	<0.15	0.82	<0.070	0.088	<0.15	0.72	1,600	12,000
MMW-P-02	3/20/2008		155		4637.4																	
	6/7/2008		1,180		4112.8																	
	9/11/2008	6.9	101		0.3																	
	11/19/2008	6.9	574																			
	3/17/2009	6.7	852	858	3641.0																	
	11/3/2009	7.0	2,066	98	1006.2																	
	2/4/2010	6.8	693	272	1324.1																	
	4/22/2010	7.0	148	256	1346.3																	
	7/21/2010	6.9	1,806	-10	1121.8																	
	10/13/2010	6.9	281	-209	1089.7																	
	1/19/2011	6.7	1,617		1256.8																	
	5/4/2011	6.9	321	-245	1263.9	<0.10	<0.10	1.8	1.7	33.2	0.13	<0.070	<0.10	<0.10	<0.070	0.32	<0.070	0.076	<0.15	1.1	1,600	17,000
	7/27/2011	6.9	322	-225	1083.8	<0.10	<0.10	2.5	1.0	190	<0.070	<0.050	<0.050	<0.050	<0.150	0.28	<0.070	<0.050	<0.15	1.2	240	4,300
	10/19/2011	6.9	210	-50	1174.0	<0.10	<0.10	2.2	1.4	84.2	0.08	<0.050	<0.050	<0.050	<0.150	0.44	<0.070	0.069	<0.15	1.4	670	13,000

Table 4
Cumulative Groundwater Analytical Data for Enhanced Anaerobic Bioremediation
Monitored Natural Attenuation Indicator Parameters
3801-3823 West Michigan Street
Michigan Plaza
Indianapolis, Indiana
MUNDELL Job No.: M01046

Well ID	Sample Date	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity	Nitrogen, Nitrate	Nitrogen, Nitrite	Iron	Total Organic Carbon	Sulfate	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid and HIBA	Pentanoic Acid	Propionic Acid	Pyruvic Acid	Ethane	Ethene	Methane
		-	ug/L	mV	uS/cm	mg/L														ug/l		
		FIELD MEASUREMENTS				LAB RESULTS																
MMW-P-03S	3/20/2008				5093.3					86.8												
	6/5, 6/6 & 6/7/2008		1,176		4004.7	<0.10				84.9	31.0	0.45	0.14	<0.10	0.12	1.400	1.200	31.0	0.37	5.3	0.82	59.0
	9/11/2008					<0.10				117												
	11/19/2008	6.8	127			<0.10				43.8												
	3/17/2009	6.7	812	809	3372.1	<0.10				42.1												
	6/17/2009					<0.10				<5.0												
	8/6/2009					<0.10				9.4												
	11/3/2009	6.9	1,783	-81	1162.9	<0.10				8.1										2.1	7.1	17,000
	2/3 & 2/4/2010	6.9	751	-63	1303.5	<0.10				38.4										0.63	11.0	18,000
	4/22/2010	6.9	170	-63	970.5	<0.10				18.8												
	7/21/2010	6.8	2,016	-72	1300.2	<0.10				<5.0												
	10/13/2010	6.9	270	-274	1333.0	<0.10				21.4												
	1/19/2011	6.8	1,417		905.3																	
	5/4/2011	6.8	234	-287	1227.4	<0.10	<0.10	2.8	4.2	<5.0	4.1	<0.070	<0.10	<0.10	<0.070	0.37	<0.070	0.23	<0.15	9.6	410	21,000
	7/27/2011	6.8	412	-175	1290.2	<0.10	<0.10	5.0	2.3	51.4	0.06	<0.050	<0.050	<0.050	<0.150	0.31	<0.070	0.051	<0.15	0.8	1,200	14,000
	10/19/2011	6.8	190	-90	1416.0	<0.10	<0.10	3.2	2.0	35.5	0.08	<0.050	<0.050	<0.050	<0.150	0.34	<0.070	0.071	<0.15	2.0	930	17,000
MMW-P-03D	3/20/2008		56		1718.8																	
	6/5 & 6/6/2008					<0.10				46.0	53.0	0.43	<0.10	<0.10	0.23	1.2	0.380	24.0	0.85	0.39	0.94	1,200
	9/11/2008					<0.10				22.3												
	11/19/2008					<0.10				<5.0												
	3/17/2009	6.7	806	757	3253.2	<0.10				<5.0												
	6/17/2009					<0.10				6.8												
	8/6/2009					<0.10				32.1												
	11/3/2009	6.8	1,791	-48	1406.3	<0.10				<5.0										2.2	4.8	17,000
	2/4/2010	6.7	661	64	1360.5	<0.10				<5.0										2.7	8.3	25,000
	4/22/2010	6.9	143	-16	1143.8	<0.10				<5.0												
	7/21/2010	6.8	2,235	-125	1084.8	<0.10				6.8												
	10/13/2010	6.7	269	-246	1358.0	<0.10				<5.0												
	1/19/2011	6.3	2,351		1149.7	<0.10				25.8	0.60	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15			
	5/4/2011	6.8	267	-294	1194.9	<0.10	<0.10	2.9	3.8	35.5	0.22	<0.070	<0.10	<0.10	<0.070	0.48	<0.070	0.084	<0.15	0.40	110	14,000
	7/27/2011	6.8	367	-192	1284.7	<0.10	<0.10	5.3	1.8	25.6	0.34	<0.050	<0.050	<0.050	<0.15	0.25	<0.070	0.067	<0.15	25.0	1,400	26,000
	10/18/2011	6.9	150	-150	1377.0	<0.10	<0.10	2.9	9.5	10.7	18.0	0.13	<0.050	<0.050	<0.15	<0.10	<0.070	1.0	<0.15	5.8	2,200	20,000
MMW-P-04	3/20/2008		233		0.3																	
	6/5/2008	6.9			1416.9																	
	9/11/2008	7.0			0.5																	
	11/19/2008	7.0	811																			
	2/12/2010	6.9	1,005	199	827.4																	
	4/21/2010	7.0	237	-47	808.1																	
	7/22/2010	6.7	3,591	-40	964.2																	
	10/13/2010	6.7	869	-203	1025.3																	
	5/5/2011	7.1	1,389	-185	1036.9	1.2	0.18	0.0	43.0	26.9	2.3	0.10	0.64	0.24	<0.070	1.4	<0.070	0.46	<0.15	0.044	11.0	10,000
	7/28/2011	6.7	1,011	-174	1363.1	<0.10	<0.10	4.7	18.1	<0.10	24	0.22	<0.050	<0.050	<0.15	<1.0	<0.070	1.7	<0.15	0.44	570	18,000
	10/24/2011	6.9	520	-150	874.0	<0.10	<0.10		11.6	39.8	5.0	0.11	<0.050	<0.050	<0.15	0.3	<0.070	0.31	<0.15	1.7	26.0	18,000
MMW-P-05	3/20/2008				6086.2																	
	6/5/2008	6.9			1150.6																	
	9/11/2008	7.1			0.3																	
	11/19/2008	6.8	870	3,652																		
	3/17/2009	6.6	864	838	2669.5																	
	11/3/2009	7.0	1,842	-70	1036.9																	
	2/4/2010	7.0	724	-83	787.2																	
	4/22/2010	7.0	1,663	-26	1003.1																	
	7/21/2010	6.9	2,067	-80	1101.5																	
	10/13/2010	6.9	250	-240	917.8																	
	1/20/2011	6.7	174		987.9																	
	4/30/2011	7.0	209	-257	1036.9															0.025	58.0	9,900
	7/27/2011	6.8	607	-184	1436.7															0.23	1,300	15,000
	10/19/2011	7.1	230	-120	559.7															0.12	93.0	3,700

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Indianapolis, Indiana
MUNDELL Job No.: M01046

Well ID	Sample Date	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity	Nitrogen, Nitrate	Nitrogen, Nitrite	Iron	Total Organic Carbon	Sulfate	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid and HIBA	Pentanoic Acid	Propionic Acid	Pyruvic Acid	Ethane	Ethene	Methane
		-	ug/L	mV	uS/cm	mg/L														ug/l		
		FIELD MEASUREMENTS				LAB RESULTS																
MMW-P-06	3/20 & 3/21/2008		29	900	4293.5					62.6												
	6/5 & 6/6/2008	7.1			980.4	<0.10				30.5	60.0	1.7	<0.10	<0.10	0.21	1.4	1.2	29.0	0.44	0.47	0.54	290
	9/11/2008	6.8			0.7	<0.10				39.1												
	11/19/2008	6.9	715			<0.10				130												
	3/17/2009	6.7	1,063	710	3884.4	<0.10				9.4												
	6/17/2009					<0.10				61.7												
	8/6/2009					<0.10				29.7												
	11/3/2009	6.9	1,631	-105	1276.4	<0.10				73.2										1.9	200	18,000
	2/4/2010	7.0	725	-86	927.1	<0.10				10.3										0.66	300	15,000
	4/22/2010	6.9	1,405	-106	1129.2	0.10				15.3												
	7/21/2010	7.0	2,001	-112	1448.3	<0.10				38.7												
	10/14/2010	6.9	162	-121	1194.9																	
	1/20/2011	6.8	1,062		1263.5	<0.10				65.8	<0.070	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15			
	5/4/2011	6.9	225	-296	1338.1															0.51	2,400	17,000
	7/28/2011	6.9	812	-198	1302.6															0.92	3,700	20,000
	10/24/2011	6.9	160	-90	1169.0															0.78	2,500	14,000
MMW-P-07	3/21/2008		9	937	6055.8																	
	6/7/2008		1,200		5032.7																	
	9/11/2008	6.7			0.7																	
	11/19/2008	6.5	846																			
	3/17/2009	6.8	880	745	4022.3																	
	11/3/2009	6.6	1,745	-72	2224.1																	
	2/4/2010	6.7	721	-92	1800.3																	
	4/22/2010	6.7	1,400	-154	1924.8																	
	7/22/2010	6.6	3,369	-55	1605.5																	
	10/14/2010	6.6	359	-148	2187.6																	
	1/20/2011	6.7	1,377		1347.0																	
	5/4/2011	6.7	349	-242	1632.1	<0.10	<0.10	3.0	3.9	97.5	2.0	<0.050	<0.050	<0.050	<0.15	0.50	<0.070	0.15	<0.15	0.049	520	6,000
	7/28/2011	8.3	765	-161	2098.5	<0.10	<0.10	3.8	4.0	33.1	3.9	0.14	<0.050	<0.050	<0.15	0.98	<0.070	0.23	<0.15	0.12	480	8,100
	10/24/2011	6.7	110	-60	1492.0	<0.10	<0.10	3.8	2.1	31.6	0.078	<0.050	<0.050	<0.050	<0.15	0.46	<0.070	0.071	<0.15	0.31	330	12,000
MMW-P-08	3/20 & 3/21/2008	2.3	245		3645.7					129												
	6/5 & 6/6/2008	7.0			1118.2	0.12				<5.0	0.12	<0.070	<0.10	<0.10	<0.070	0.22	<0.070	<0.070	<0.070	0.30	2.0	2,800
	9/10 & 9/11/2008	7.3	467		0.3	<0.10				<5.0												
	11/19/2008	7.0	1,129			<0.10				7.2												
	3/17/2009	6.8	876	674	4083.5	<0.10				5.1												
	6/17/2009					<0.10				5.0												
	8/6/2009					<0.10				38.3												
	11/3/2009	6.5	1,676	-74	1547.6	<0.10				23.6										0.081	320	8,000
	2/4/2010	6.6	631	-86	1629.4					<5.0										0.075	640	17,000
	4/22/2010	6.7	1,408	-202	1804.3	<0.10				8.5												
	7/22/2010	6.8	3,994	-70	939.3	<0.10				34.0												
	10/14/2010	6.7	395	-175	1923.7	<0.10				<5.0												
	1/20/2011	6.8	1,907		1965.5	<0.10				21.0	19.0	0.27	<0.050	<0.050	<0.15	<0.10	<0.070	2.1	<0.15			
	5/4/2011	6.8	221	-272	920.7	<0.10	<0.10	3.0	6.2	44.5	0.16	0.10	<0.050	<0.050	<0.15	0.26	<0.070	0.077	<0.15	0.34	430	6,800
	7/27/2011	6.5	597	-146	2323.7	<0.10	<0.10	3.8	3.0	185	0.096	<0.050	<0.050	<0.050	<0.15	0.27	<0.070	<0.050	<0.15	0.098	500	8,400
	10/24/2011	6.7	110	-90	1308.0	<0.10	<0.10	2.8	2.9	59.0	0.10	<0.050	<0.050	<0.050	<0.15	0.16	<0.070	0.074	<0.15	0.28	210	3,200
MMW-P-09S	3/20/2008	2.5	230		3920.3	1.5				78.7												
	6/5 & 6/6/2008	7.0			963.6	5.1				161	3.5	<0.070	0.26	<0.10	<0.070	0.29	0.14	5.3	<0.070	0.033	<0.025	8.0
	9/10 & 9/11/2008	7.1	200		0.3	<0.10				114												
	11/19/2008	7.1	1,108			<0.10				133												
	3/17/2009	6.5	1,019	858	2249.3	0.72				82.4												
	6/16/2009					1.1				64.0												
	8/7/2009					0.60				45.7												
	11/3/2009	6.9	2,892	174	810.2	0.78				87.2										<0.025	0.037	6.5
	2/3 & 2/4/2010	6.9	3,997	-51	701.4	0.58				85.8										<0.025	<0.025	4.7
	4/22/2010	7.1	2,699	69	640.1	0.62				44.8												
	7/22/2010	7.0	5,477	27	1077.9	0.80				92.4												
	10/13/2010	6.9	1,026	-105	725.6	0.10				57.4												
	1/19/2011	6.6	1,732		711.5	0.10				106	<0.070	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15			
	4/30/2011	7.1	5,228	0	587.1																	
	7/26/2011	6.8	1,473	-85	882.4																	
	10/18/2011	6.9	760	160	850.9																	

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Well ID	Sample Date	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity	Nitrogen, Nitrate	Nitrogen, Nitrite	Iron	Total Organic Carbon	Sulfate	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid and HIBA	Pentanoic Acid	Propionic Acid	Pyruvic Acid	Ethane	Ethene	Methane
		-	ug/L	mV	uS/cm	mg/L														ug/l		
		FIELD MEASUREMENTS				LAB RESULTS																
MMW-P-09D	3/20/2008	1.4	107		8894.3																	
	6/7/2008		443		3784.4																	
	11/19/2008	6.9	1,106		NS																	
	3/17/2009	6.6	819	834	2616.0																	
	11/3/2009	7.1	1,717	-59	897.8																	
	2/3/2010	7.1	4,243	-78	862.0																	
	4/22/2010	7.1	1,360	-64	884.7																	
	7/22/2010	7.2	3,702	-59	929.0																	
	10/13/2010	7.1	694	-282	903.0																	
	1/19/2011	6.1	1,079		788.7																	
	4/30/2011	7.2	347	-184	851.5																	
	7/26/2011	7.0	567	-198	919.1																	
	10/21/2011	7.2	200	-90	855.0																	
MMW-P-10S	3/20/2008	1.7			4589.7	0.52				50.8												
	6/5, 6/6 & 6/7/2008		1,078		3508.2	<0.10				71.8	0.11	<0.070	<0.10	<0.10	<0.070	0.21	<0.070	<0.070	<0.070	0.16	1.3	50.0
	9/11/2008	7.0	45		0.4	<0.10				111												
	11/19/2008	6.9	1,034			<0.10				34.4												
	3/17/2009	6.8	863	653	3958.2	<0.10				54.6												
	6/17/2009					<0.10				9.4												
	8/6/2009					<0.10				<5.0												
	11/3/2009	6.8	1,566	-112	705.5	<0.10				9.5										0.77	27.0	2,300
	2/4/2010	6.7	614	-93	1663.5	<0.10				69.2										1.7	230	14,000
	4/22/2010	7.0	1,564	-200	971.3	<0.10				15.8												
	7/21/2010	6.9	1,868	-105	900.8	<0.10				<5.0												
	10/14/2010	6.6	404	-154	1681.7	<0.10				85.8												
	1/20/2011	6.7	1,102		1009.0	0.12				29.2	4.7	0.15	<0.050	<0.050	<0.15	<0.10	<0.070	0.26	<0.15			
	5/5/2011	7.5	101	-341	329.6	<0.10	<0.10	1.8	2.7	17.6	0.16	<0.050	<0.050	<0.050	<0.15	0.37	<0.070	<0.050	<0.15	2.2	6.1	5,800
	7/27/2011	6.7	543	-170	1583.3	<0.10	<0.10	3.2	3.7	87.9	<0.070	<0.050	<0.050	<0.050	<0.15	0.21	<0.070	0.052	<0.15	1.4	120	13,000
	10/21/2011	6.9	110	-90	592.0	<0.10	<0.10	2.1	1.7	13.9	0.078	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	0.070	<0.15	1.8	22.0	4,300
MMW-P-10D	6/7/2008	1.7	1,134		4183.6																	
	3/17/2009	6.6	838	574	2733.7																	
	11/3/2009	6.8	1,699	-98	1104.1																	
	2/4/2010	6.8	619	-101	992.6																	
	4/22/2010	7.1	1,371	-192	857.0																	
	7/22/2010	6.8	2,694	-27	913.1																	
	10/14/2010	6.7	351	-165	1341.4																	
	1/20/2011	6.7	1,155		1338.7						0.072	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15			
	5/5/2011	7.1	160	-300	597.7	<0.10	<0.10	1.8	2.8	43.0	0.10	<0.050	<0.050	<0.050	<0.15	0.19	<0.070	0.071	<0.15	1.2	200	18,000
	7/27/2011	6.8	539	-162	1073.2	<0.10	<0.10	5.0	2.1	64.1	<0.070	<0.050	<0.050	<0.050	<0.15	0.26	<0.070	<0.050	<0.15	1.8	530	23,000
	10/21/2011	6.9	160	-80	1039.0	<0.10	<0.10	2.3	1.7	55.0	0.10	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	0.078	<0.15	1.3	580	20,000
MWW-P-11S	10/24/2011	7.0	490	-100	802.3	<0.10	<0.10	0.2	1.7	166	0.082	<0.050	<0.050	<0.050	<0.15	0.21	<0.070	0.070	<0.15	6.2	0.097	690
MMW-P-12S	10/24/2011	7.1	240	-80	1106.0	<0.10	<0.10	2.1	1.4	156	<0.070	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	0.070	<0.15	1.3	0.83	24
MMW-P-12D	10/24/2011	7.2	210	-100	1070.0	<0.10	<0.10	2.1	1.9	124	0.22	<0.050	<0.050	<0.050	<0.15	1.2	<0.070	0.13	<0.15	1.5	0.77	26
MMW-P-13S	10/24/2011	7.0	1,350	70	925.3	0.75	<0.10	0.0	1.4	195	0.09	<0.050	<0.050	<0.050	<0.15	0.34	<0.070	0.070	<0.15	0.18	0.18	3.8
MMW-P-13D	10/24/2011	7.2	190	-110	909.0	<0.10	<0.10	3.5	1.8	131	0.08	<0.050	<0.050	<0.050	<0.15	0.26	<0.070	<0.050	<0.15	2.0	1.3	20.0
MW-165D	7/7/2010										<0.070	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15			
*MW-167S	4/21/2010	6.9	173	102	1212.3																	
	4/29/2011	7.1	7,894	75	916.5																	
*MW-167D	6/7/2008	0.1	454		2800.6																	
	4/21/2010	7.2	163	64	803.3																	
	4/29/2011	7.1	251	-116	910.1																	
MW-168S	3/20/2008					2.2				251												
	6/5 & 6/6/2008	6.8			1395.0	5.8				190	0.12	<0.070	<0.10	<0.10	<0.070	0.21	<0.070	<0.070	<0.070	0.052	<0.025	17.0
	9/11/2008					1.1				6.8												
	4/22/2010					<0.10				140												

Table 4
Cumulative Groundwater Analytical Data for Enhanced Anaerobic Bioremediation
Monitored Natural Attenuation Indicator Parameters
3801-3823 West Michigan Street
Michigan Plaza
Indianapolis, Indiana
MUNDELL Job No.: M01046

Well ID	Sample Date	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity	Nitrogen, Nitrate	Nitrogen, Nitrite	Iron	Total Organic Carbon	Sulfate	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid and HIBA	Pentanoic Acid	Propionic Acid	Pyruvic Acid	Ethane	Ethene	Methane
		-	ug/L	mV	uS/cm	mg/L														ug/l		
		FIELD MEASUREMENTS				LAB RESULTS																
MW-168D	3/20/2008									109												
	6/5/2008	6.9			1283.4	<0.10				31.0												
	9/11/2008									114												
	11/20/2008	6.9	530	504	3318.8	<0.10				39.3												
	3/17/2009	6.6	871	795	2948.1	<0.10				43.0												
	6/18/2009					<0.10				50.5												
	8/7/2009					<0.10																
	11/3 & 11/4/2009	6.8	7,162	-107	1070.8	<0.10				59.4										0.55	22.0	16,000
	2/4/2010	6.9	469	-74	941.8	<0.10				50.8										0.41	11.0	15,000
	4/21/2010	6.9	190	53	1128.5	<0.10				79.7												
	7/22/2010	6.9	4,678	-53	1194.6	<0.10				82.2												
	10/13/2010	6.8	350	-230	1184.4	<0.10				60.8												
	4/29/2011	6.9	206	-199	1056.7																	
	7/28/2011	6.8	528	-163	1476.1																	
	10/24/2011	6.9	200	-100	1209.0																	
*MW-169S	4/21/2010	7.1	228	-49	848.4																	
	4/29/2011	6.9	3,567	19	975.4																	
*MW-169D	6/7/2008		636		3354.6																	
	4/21/2010	7.1	207	-53	783.5																	
	4/29/2011	7.0	232	-177	880.0																	
*MW-170S	6/3/2008	7.1	187		1437.8																	
	4/21/2010	7.0	162	90	1489.9																	
	4/29/2011	7.0	486	-44	1241.0																	
*MW-170D	6/3/2008		7		969.5																	
	7/7/2010										<0.070	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15			
	4/21/2010	7.1	190	87	1148.6																	
	4/29/2011	7.1	282	-142	1039.7																	
*MW-171S	6/7/2008	7.2	626		2714.6																	
	4/29/2011	7.0	4,282	70	798.8																	
*MW-171D	6/7/2008	7.3	415		3178.5																	
	4/21/2010	7.1	171	16	846.3																	
	7/22/2010	7.1	4,607	-47	1001.9																	
	4/29/2011	7.0	377	-164	887.8																	
MMW-C-01	9/10/2008	7.5	477		0.3																	
	11/20/2008	6.8	491	480	2907.9																	
	3/17/2009	6.6	770	693	2702.0																	
	11/3/2009	6.9	1,765	-100	983.5																	
	2/3/2010	6.9	3,818	-59	758.5																	
	4/21/2010	7.1	174	57	723.4																	
	7/22/2010	7.0	5,588	47	792.0																	
	10/13/2010	6.9	3,883	-29	834.6																	
	1/19/2011	6.8	1,522		741.5																	
	5/5/2011	7.4	9,253	-75	463.2	14.7	<0.40	0.0	<1.0	31.2	0.110	<0.050	<0.050	<0.050	<0.15	0.28	<0.070	<0.050	<0.15	<0.025	<0.025	0.14
	7/27/2011	6.8	707	-190	1156.7	0.79	<0.10	0.0	1.8	113	<0.070	<0.050	<0.050	<0.050	<0.15	0.26	<0.070	<0.050	<0.15	0.12	170	12,000
	10/21/2011	6.9	340	-30	756.5	0.79	<0.10	1.2	2.4	89.0	0.10	<0.050	<0.050	<0.050	<0.15	0.37	<0.070	0.066	<0.15	0.081	94	12,000
MMW-C-02	11/20/2008	7.0	931	476	2806.7																	
	3/17/2009	6.6	811	867	2506.9																	
	11/38/09	6.8	1,811	24	784.9																	
	2/3/2010	6.8	3,782	76	778.9																	
	4/21/2010	6.9	177	202	786.3																	
	7/22/2010	6.9	2,670	30	755.8																	
	10/13/2010	6.8	212	-175	717.4																	
	1/19/2011	6.6	1,651		705.0	0.14				76.8	<0.070	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15			
	4/30/2011	6.9	3,184	-17	689.2																	
	7/27/2011	6.7	694	-146	811.9																	
	10/18/2011	6.8	180	80	779.9																	

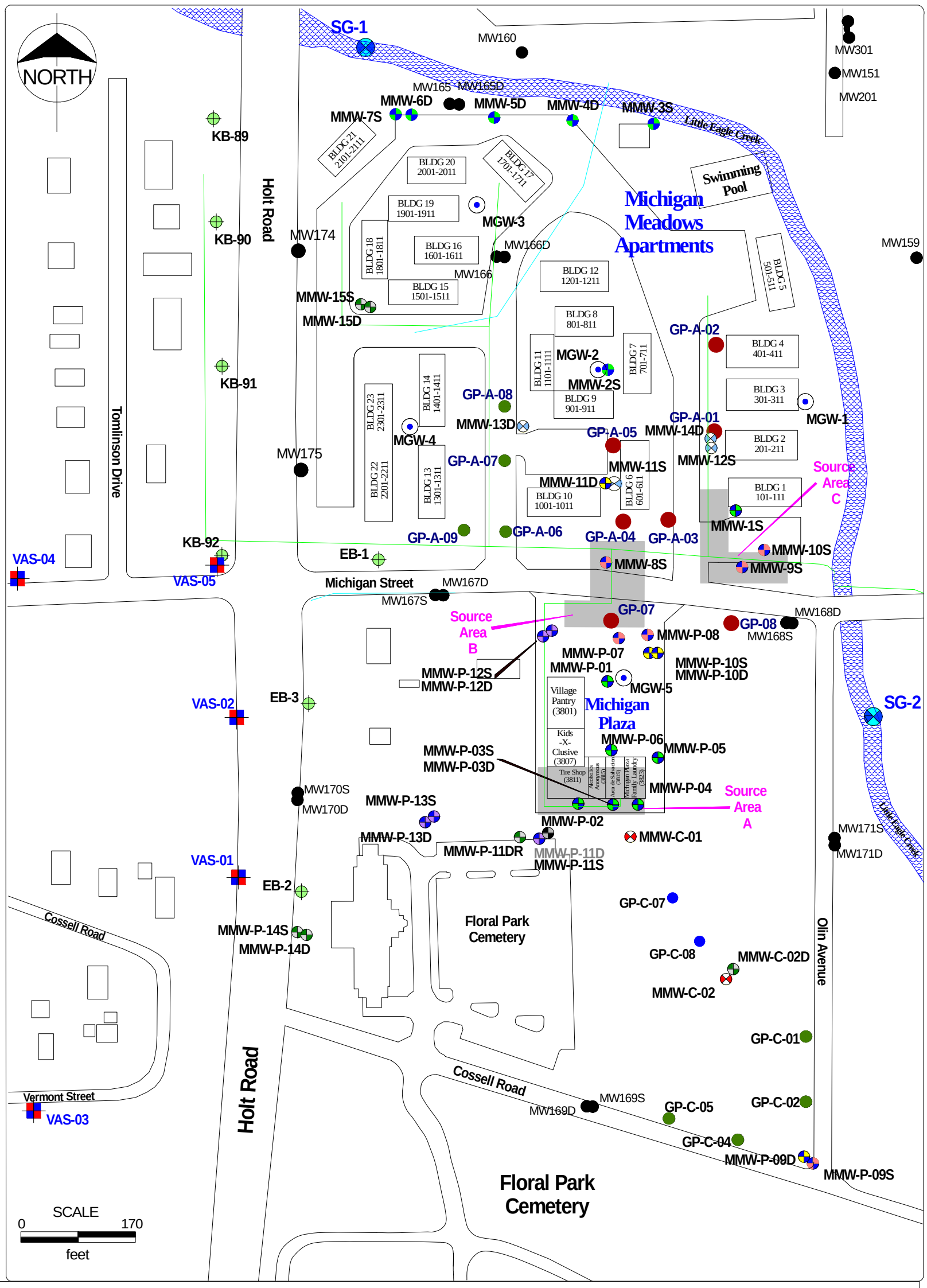
Notes:

Sampling locations outlined in **GREEN** have been identified as 'Indicator Compound Locations.' These locations will be sampled quarterly for VOCs, Nitrate/Nitrite, Sulfate, Methane, Ethane, Ethene, Volatile Fatty Acids and Ferrous Iron, beginning 2nd Quarter 2011.

Gray shading indicates that no data is available. Lack of data is generally due to equipment malfunction in the field or absence of the parameter from the quarterly sampling plan.

* Indicates sampling locations at the Site sampled on an **ANNUAL** basis. All other sampling locations are sampled quarterly.

FIGURES



LEGEND

Fence	
MW160	Keramida/Environ Monitoring Wells
MMW-P-06	MUNDELL Monitoring Wells, Michigan Plaza (September 2005)
MMW-P-07	MUNDELL Monitoring Wells (January 2007)
MMW-P-09D	MUNDELL Monitoring Wells (May-June 2007)
MMW-C-01	MUNDELL Monitoring Wells (July/August 2008)
MMW-11S	MUNDELL Monitoring Wells (November/December 2008)
GP-C-05	MUNDELL Soil Boring Locations (January 2007)
GP-07	MUNDELL Soil Boring Locations (September 2005)
GP-C-08	MUNDELL Soil Boring Locations (August 2008)
MMW-P-11D	MUNDELL Monitoring Wells (September 2011)
MGW-1	MUNDELL Soil Gas Well
GP-21	MUNDELL Soil Boring Locations (December 2011)
MMW-P-11D	MUNDELL Monitoring Wells (December 2011)
VAS-01	EPA Vertical Aquifer Sampling Well Locations (November 2011)
MMW-P-11D	Abandoned Monitoring Well Location
EB-2	Environ Soil Borings
	Sanitary Sewer
	Storm Sewer

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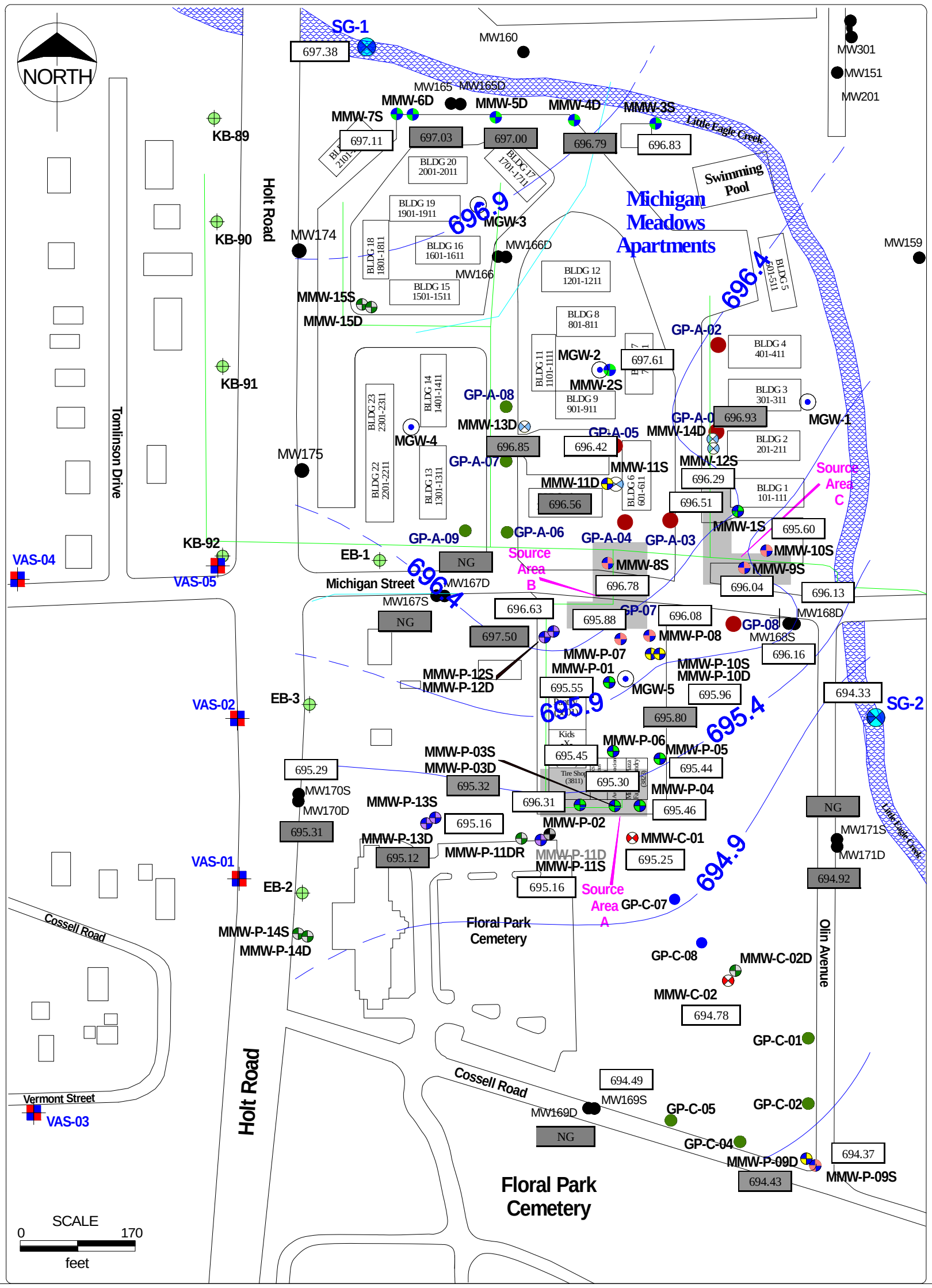
Project Number: M01046
Drawing File: Fig_1 SitePlan.skf
Date Prepared: 1/13/2012
Scale: 1"=170'

Site Plan

Michigan Plaza
3801 - 3823 West Michigan Street
Indianapolis, Indiana

FIGURE
1



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———	Fence
MW160	Keramida/Environ Monitoring Wells
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MGW-1	MUNDELL Soil Gas Well
GP-21	MUNDELL Soil Boring Locations (December 2011)
MMW-P-11D	MUNDELL Monitoring Wells (December 2011)
VAS-01	EPA Vertical Aquifer Sampling Well Locations (November 2011)
698	Potentiometric Surface Equipotential Lines Contour Interval = 0.5 feet
694.37	Water Level as Measured on October 17, 2011 (gray boxes indicate groundwater elevation values not used for the creation of the Shallow Potentiometric Surface Map)
MMW-P-11D	Abandoned Monitoring Well Location
EB-2	Environ Soil Borings
	Sanitary Sewer
	Storm Sewer
	NG - Not Gauged

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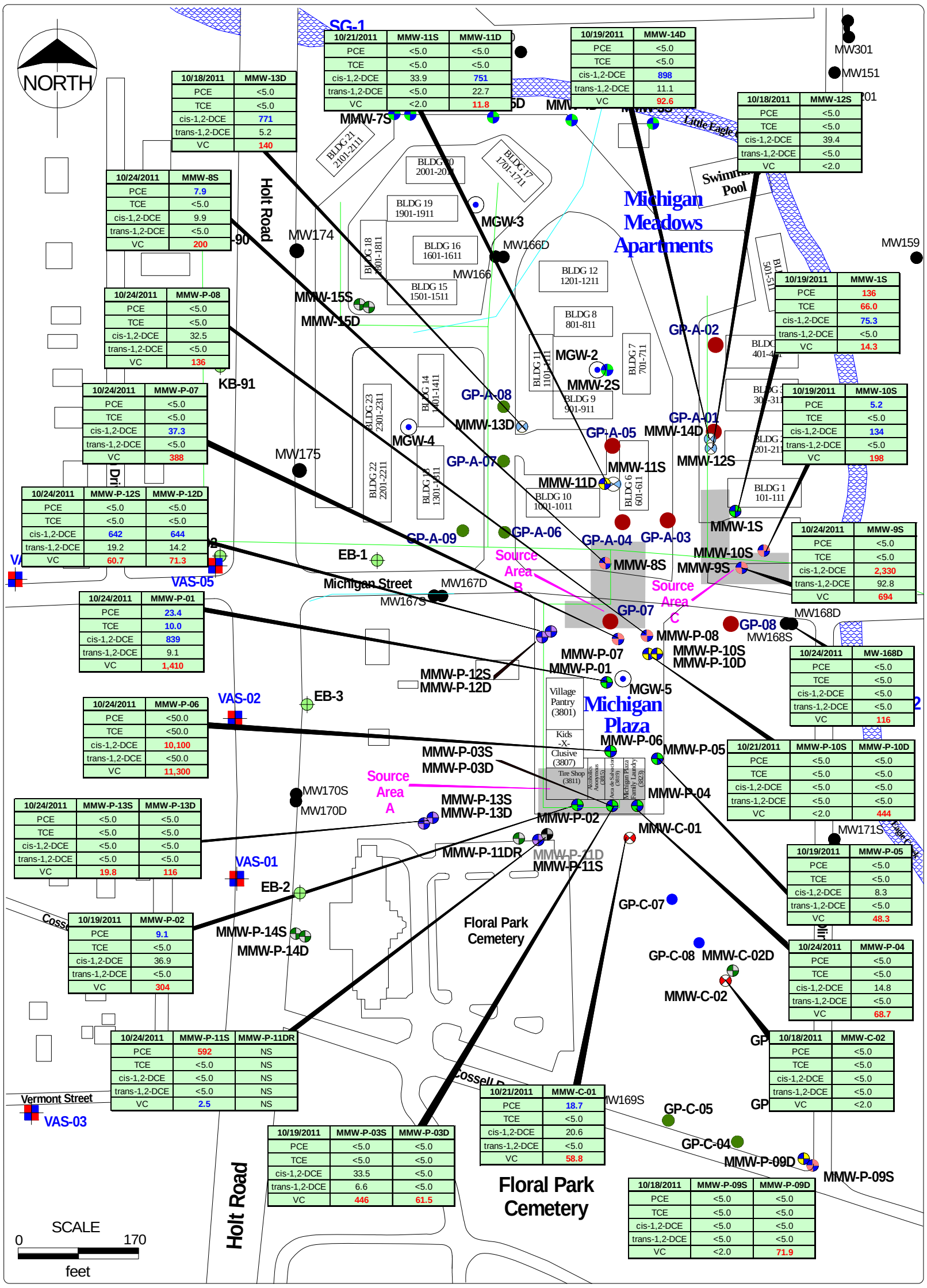
Project Number: M01046
Drawing File: Potentiometric.skf
Date Prepared: 1/13/2012
Scale: 1"=170'

Shallow Potentiometric Surface Map October 17, 2011

Michigan Plaza
3801 - 3823 West Michigan Street
Indianapolis, Indiana

FIGURE
2



10/21/2011	MMW-11S	MMW-11D
PCE	<5.0	<5.0
TCE	<5.0	<5.0
cis-1,2-DCE	33.9	751
trans-1,2-DCE	<5.0	22.7
VC	<2.0	11.8

10/19/2011	MMW-14D
PCE	<5.0
TCE	<5.0
cis-1,2-DCE	898
trans-1,2-DCE	11.1
VC	92.6

10/18/2011	MMW-13D
PCE	<5.0
TCE	<5.0
cis-1,2-DCE	771
trans-1,2-DCE	5.2
VC	140

10/18/2011	MMW-12S
PCE	<5.0
TCE	<5.0
cis-1,2-DCE	39.4
trans-1,2-DCE	<5.0
VC	<2.0

10/24/2011	MMW-8S
PCE	7.9
TCE	<5.0
cis-1,2-DCE	9.9
trans-1,2-DCE	<5.0
VC	200

10/19/2011	MMW-1S
PCE	136
TCE	66.0
cis-1,2-DCE	75.3
trans-1,2-DCE	<5.0
VC	14.3

10/24/2011	MMW-P-08
PCE	<5.0
TCE	<5.0
cis-1,2-DCE	32.5
trans-1,2-DCE	<5.0
VC	136

10/24/2011	MMW-P-07
PCE	<5.0
TCE	<5.0
cis-1,2-DCE	37.3
trans-1,2-DCE	<5.0
VC	388

10/19/2011	MMW-10S
PCE	5.2
TCE	<5.0
cis-1,2-DCE	134
trans-1,2-DCE	<5.0
VC	198

10/24/2011	MMW-P-12S	MMW-P-12D
PCE	<5.0	<5.0
TCE	<5.0	<5.0
cis-1,2-DCE	642	644
trans-1,2-DCE	19.2	14.2
VC	60.7	71.3

10/24/2011	MMW-9S
PCE	<5.0
TCE	<5.0
cis-1,2-DCE	2,330
trans-1,2-DCE	92.8
VC	694

10/24/2011	MMW-P-01
PCE	23.4
TCE	10.0
cis-1,2-DCE	839
trans-1,2-DCE	9.1
VC	1,410

10/24/2011	MW-168D
PCE	<5.0
TCE	<5.0
cis-1,2-DCE	<5.0
trans-1,2-DCE	<5.0
VC	116

10/24/2011	MMW-P-06
PCE	<50.0
TCE	<50.0
cis-1,2-DCE	10,100
trans-1,2-DCE	<50.0
VC	11,300

10/21/2011	MMW-P-10S	MMW-P-10D
PCE	<5.0	<5.0
TCE	<5.0	<5.0
cis-1,2-DCE	<5.0	<5.0
trans-1,2-DCE	<5.0	<5.0
VC	<2.0	444

10/24/2011	MMW-P-13S	MMW-P-13D
PCE	<5.0	<5.0
TCE	<5.0	<5.0
cis-1,2-DCE	<5.0	<5.0
trans-1,2-DCE	<5.0	<5.0
VC	19.8	116

10/19/2011	MMW-P-05
PCE	<5.0
TCE	<5.0
cis-1,2-DCE	8.3
trans-1,2-DCE	<5.0
VC	48.3

10/19/2011	MMW-P-02
PCE	9.1
TCE	<5.0
cis-1,2-DCE	36.9
trans-1,2-DCE	<5.0
VC	304

10/24/2011	MMW-P-04
PCE	<5.0
TCE	<5.0
cis-1,2-DCE	14.8
trans-1,2-DCE	<5.0
VC	68.7

10/24/2011	MMW-P-11S	MMW-P-11DR
PCE	592	NS
TCE	<5.0	NS
cis-1,2-DCE	<5.0	NS
trans-1,2-DCE	<5.0	NS
VC	2.5	NS

10/18/2011	MMW-C-02
PCE	<5.0
TCE	<5.0
cis-1,2-DCE	<5.0
trans-1,2-DCE	<5.0
VC	<2.0

10/21/2011	MMW-C-01
PCE	18.7
TCE	<5.0
cis-1,2-DCE	20.6
trans-1,2-DCE	<5.0
VC	58.8

10/19/2011	MMW-P-03S	MMW-P-03D
PCE	<5.0	<5.0
TCE	<5.0	<5.0
cis-1,2-DCE	33.5	<5.0
trans-1,2-DCE	6.6	<5.0
VC	446	61.5

10/18/2011	MMW-P-09S	MMW-P-09D
PCE	<5.0	<5.0
TCE	<5.0	<5.0
cis-1,2-DCE	<5.0	<5.0
trans-1,2-DCE	<5.0	<5.0
VC	<2.0	71.9

LEGEND

	Fence
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MMW-P-11D	Abandoned Monitoring Well Location
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	Sanitary Sewer
	Storm Sewer

10/21/2011	MMW-C-01
PCE	18.7
TCE	<5.0
cis-1,2-DCE	20.6
trans-1,2-DCE	<5.0
VC	58.8

	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl chloride
	ug/l				
IDEM RISC Default Industrial Cleanup Level	55	31	1,000	2,000	4
IDEM RISC Default Residential Cleanup Level	5	5	70	100	2

All Values Over IDEM RISC Default Industrial Cleanup Level in RED
All Values Over IDEM RISC Default Residential Cleanup Level in BLUE
PCE = Tetrachloroethene;
TCE = Trichloroethene;
cis-1,2-DCE = cis-1,2-Dichloroethene;
trans-1,2-DCE = trans-1,2-Dichloroethene
VC = Vinyl Chloride
NS = Not Sampled

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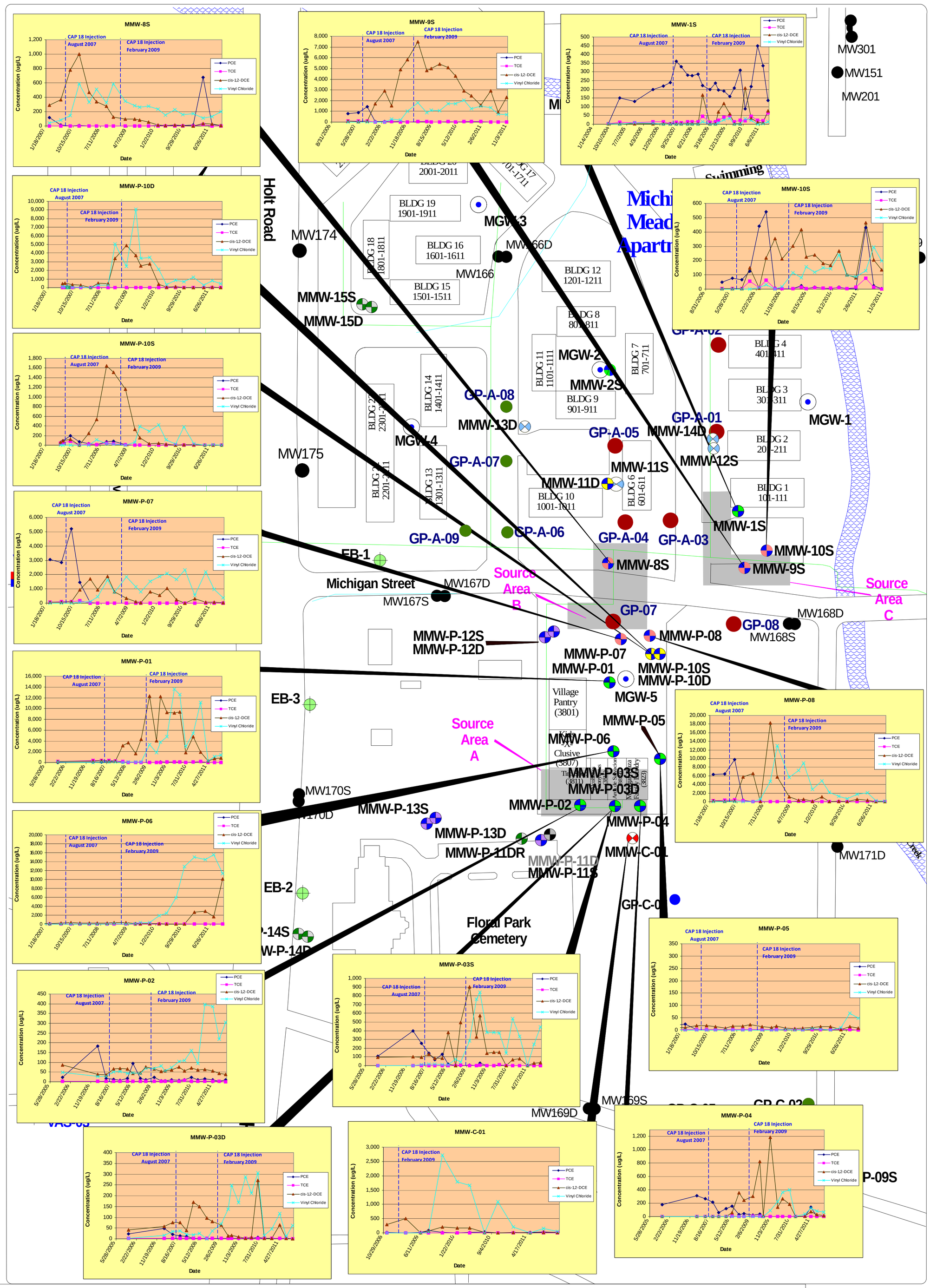
Project Number: M01046
Drawing File: Fig_3 GW Analytical.skf
Date Prepared: 1/13/2012
Scale: 1"=170'

Groundwater Analytical Map 4th Quarter 2011

Michigan Plaza
3801 - 3823 West Michigan Street
Indianapolis, Indiana

FIGURE
3



LEGEND

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GP-21	MUNDELL Soil Boring Locations (December 2011)
MMW-P-11D	MUNDELL Monitoring Wells (December 2011)
VAS-01	EPA Vertical Aquifer Sampling Well Locations (November 2011)
MMW-P-11D	Abandoned Monitoring Well Location
EB-2	Environ Soil Borings
	Sanitary Sewer
	Storm Sewer

NORTH

SCALE
0 85 170
feet

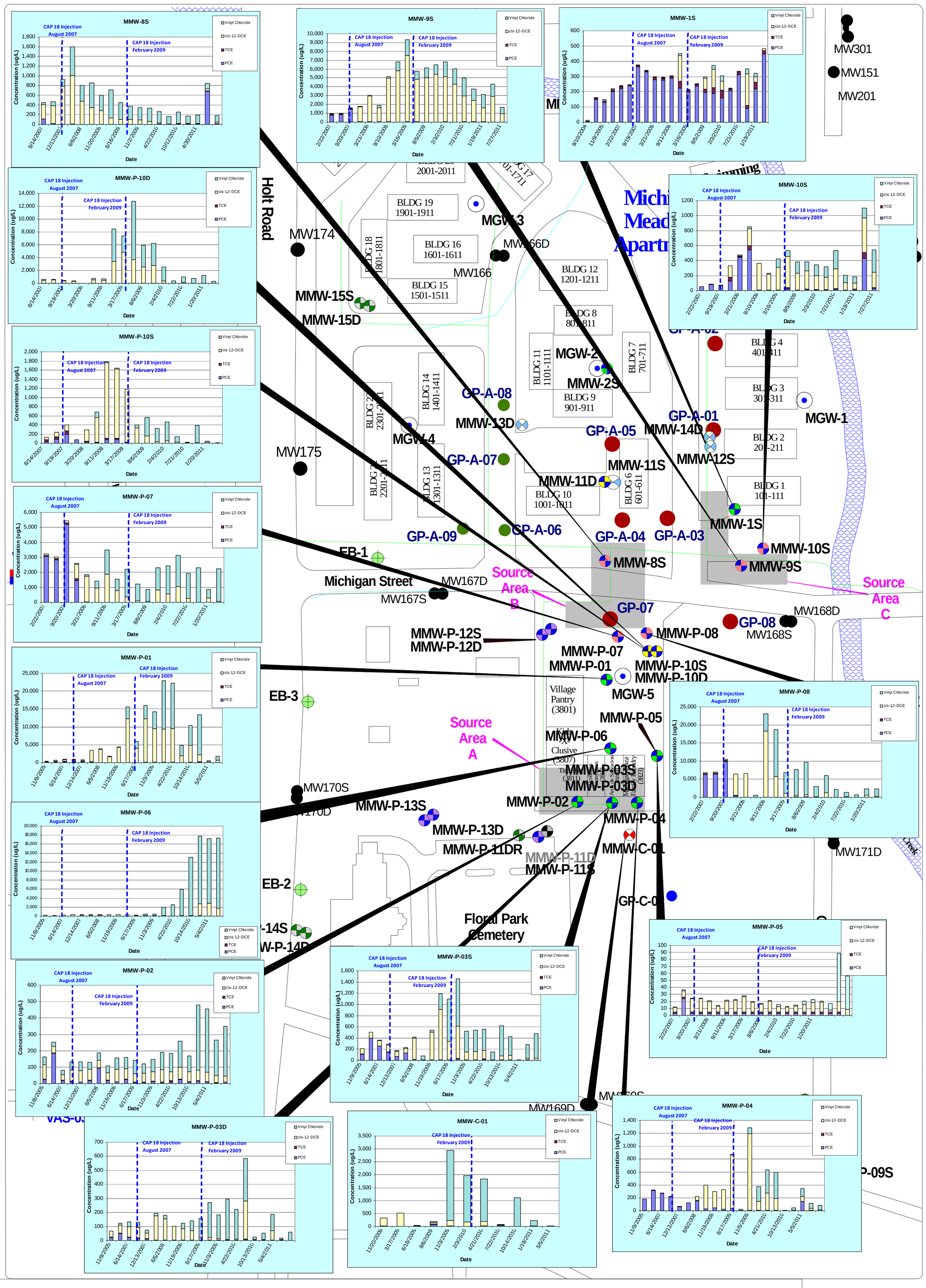
Mundell
Consulting Professionals for the Earth and the Environment
110 South Downey Avenue
Indianapolis, Indiana 46219-6406
317-630-9060, fax 317-630-9065

Project Number: M01046
Drawing File: Fig4IndicatorTrends.skf
Date Prepared: 1/13/2012
Scale: 1"=85'

Indicator Compound Trends in Groundwater

Michigan Plaza
3801 - 3823 West Michigan Street
Indianapolis, Indiana

FIGURE
4



LEGEND

	Fence
MW160	Keramida/Environ Monitoring Wells
MMW-P-06	MUNDELL Monitoring Wells, Michigan Plaza (September 2005)
MMW-P-07	MUNDELL Monitoring Wells (January 2007)
MMW-P-09D	MUNDELL Monitoring Wells (May-June 2007)
MMW-C-01	MUNDELL Monitoring Wells (July/August 2008)
MMW-11S	MUNDELL Monitoring Wells (November/December 2008)
GP-C-05	MUNDELL Soil Boring Locations (January 2007)
GP-07	MUNDELL Soil Boring Locations (September 2005)
GP-C-08	MUNDELL Soil Boring Locations (August 2008)
MMW-P-11D	MUNDELL Monitoring Wells (September 2011)
MGW-1	MUNDELL Soil Gas Well
GP-21	MUNDELL Soil Boring Locations (December 2011)
MMW-P-11D	MUNDELL Monitoring Wells (December 2011)
VAS-01	EPA Vertical Aquifer Sampling Well Locations (November 2011)
MMW-P-11D	Abandoned Monitoring Well Location
EB-2	Environ Soil Borings
	Sanitary Sewer
	Storm Sewer

NORTH

SCALE 0 85 170 feet

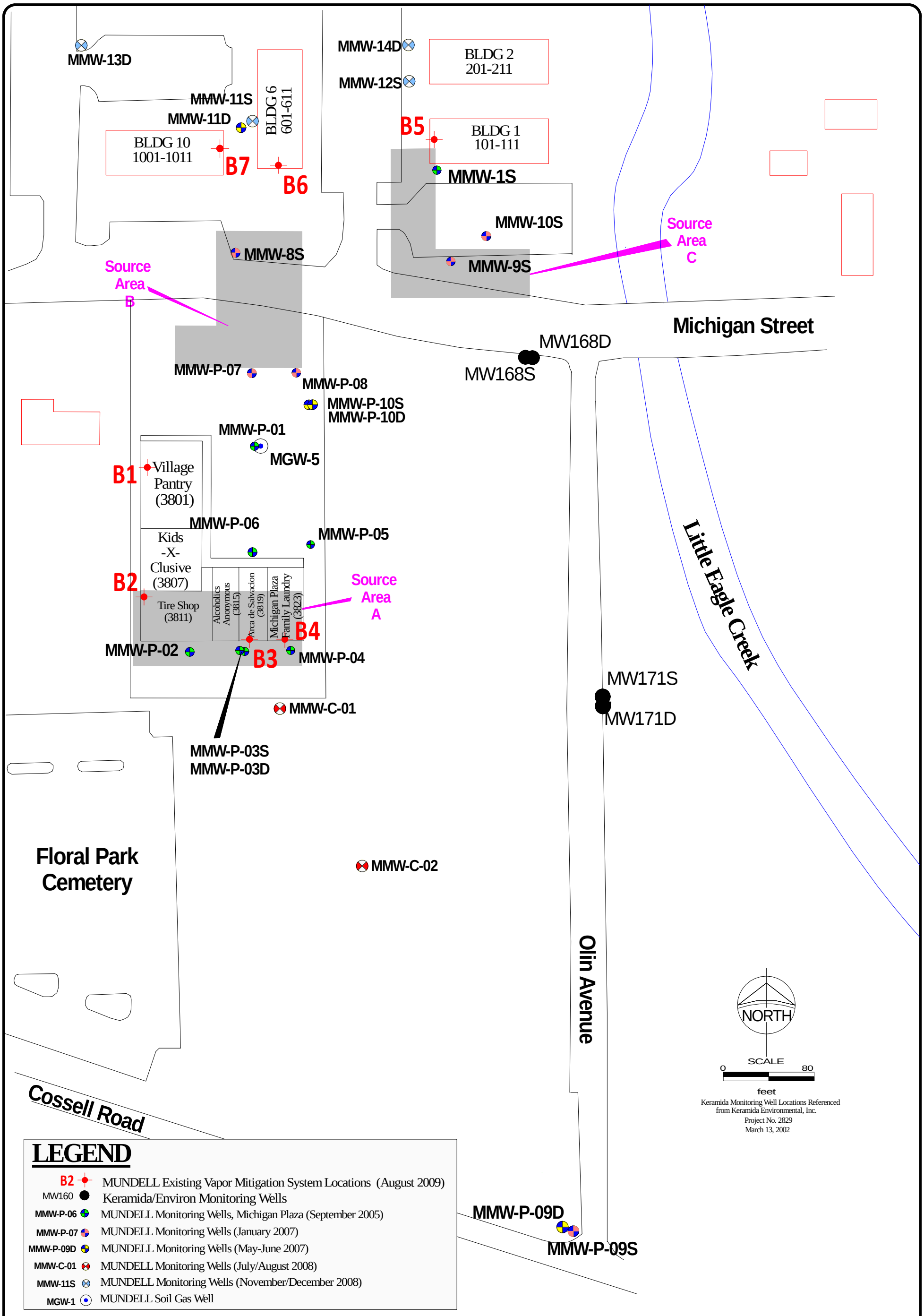
Mundell Consulting Professionals for the Earth and the Environment
110 South Downey Avenue
Indianapolis, Indiana 46219-6406
317-630-9060, fax 317-630-9065

Project Number: M01046
Drawing File: Fig5Daughter Prods.skf
Date Prepared: 1/13/2012
Scale: 1"=85'

Parent and Daughter Products Distribution in Groundwater

Michigan Plaza
3801 - 3823 West Michigan Street
Indianapolis, Indiana

FIGURE 5



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110 South Downey Avenue
Indianapolis, Indiana 46219-6406
317-630-9060, fax 317-630-9065

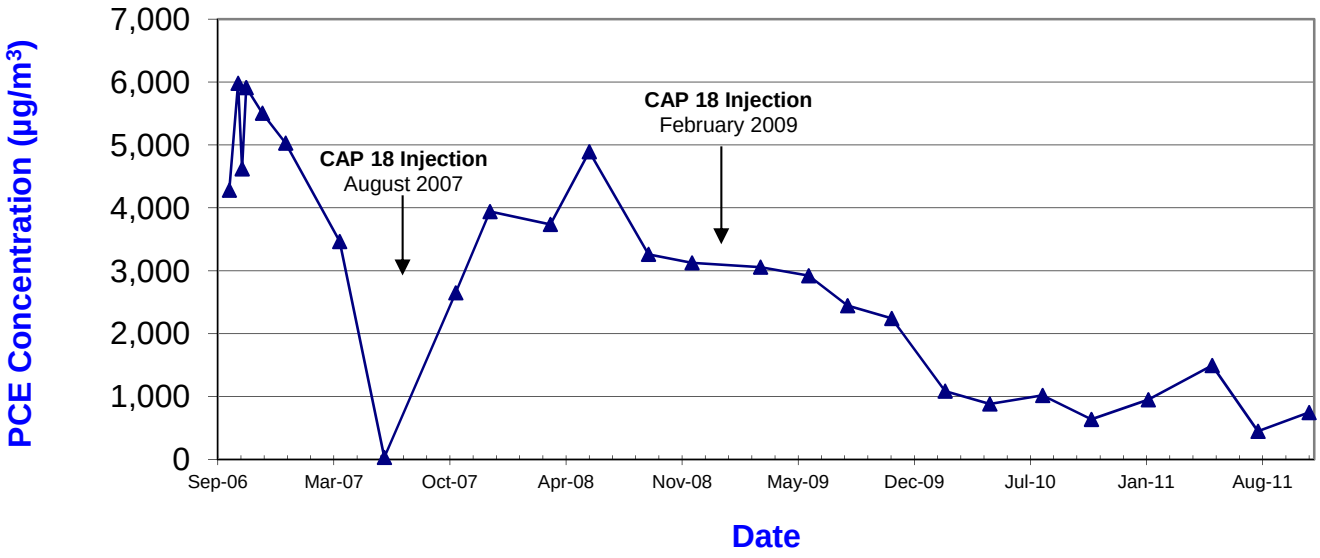
Project Number: M01046
Drawing File: Fig_6 Vapor Mit.skf
Date Prepared: 10/20/2011
Scale: 1"=80'

Vapor Mitigation System Locations

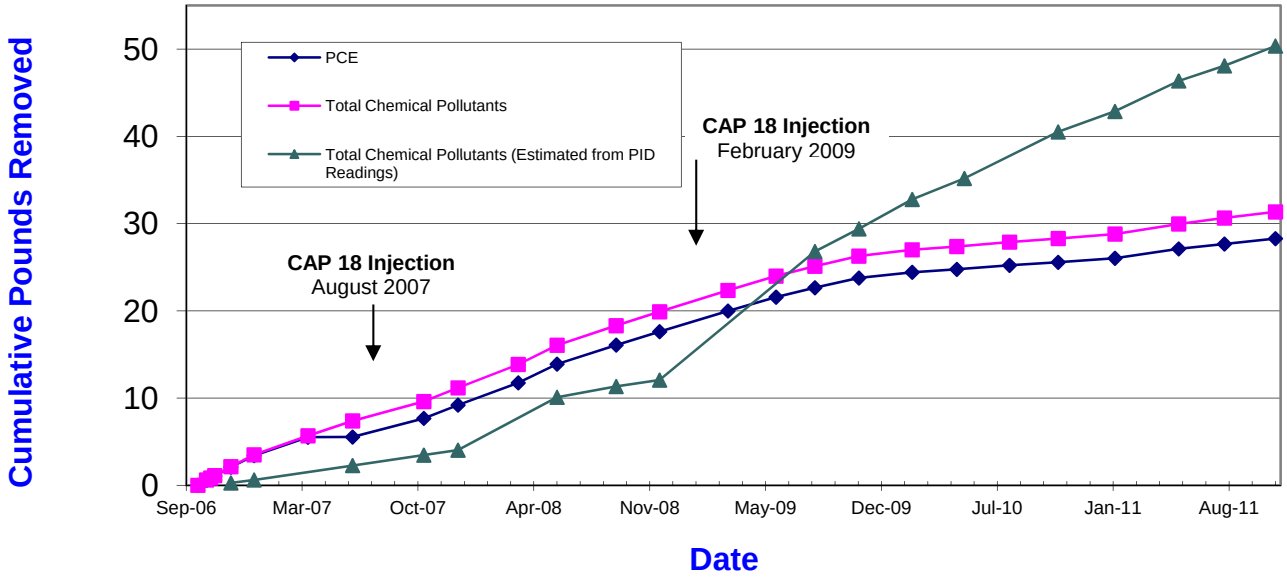
Michigan Plaza
3801 - 3823 West Michigan Street
Indianapolis, Indiana

FIGURE
6

PCE Vapor Concentrations Trend - Village Pantry Vapor Mitigation System (B1)



Chemical Pounds Removed - Villiage Pantry Vapor Mitigation System (B1)



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Indianapolis, Indiana 46219
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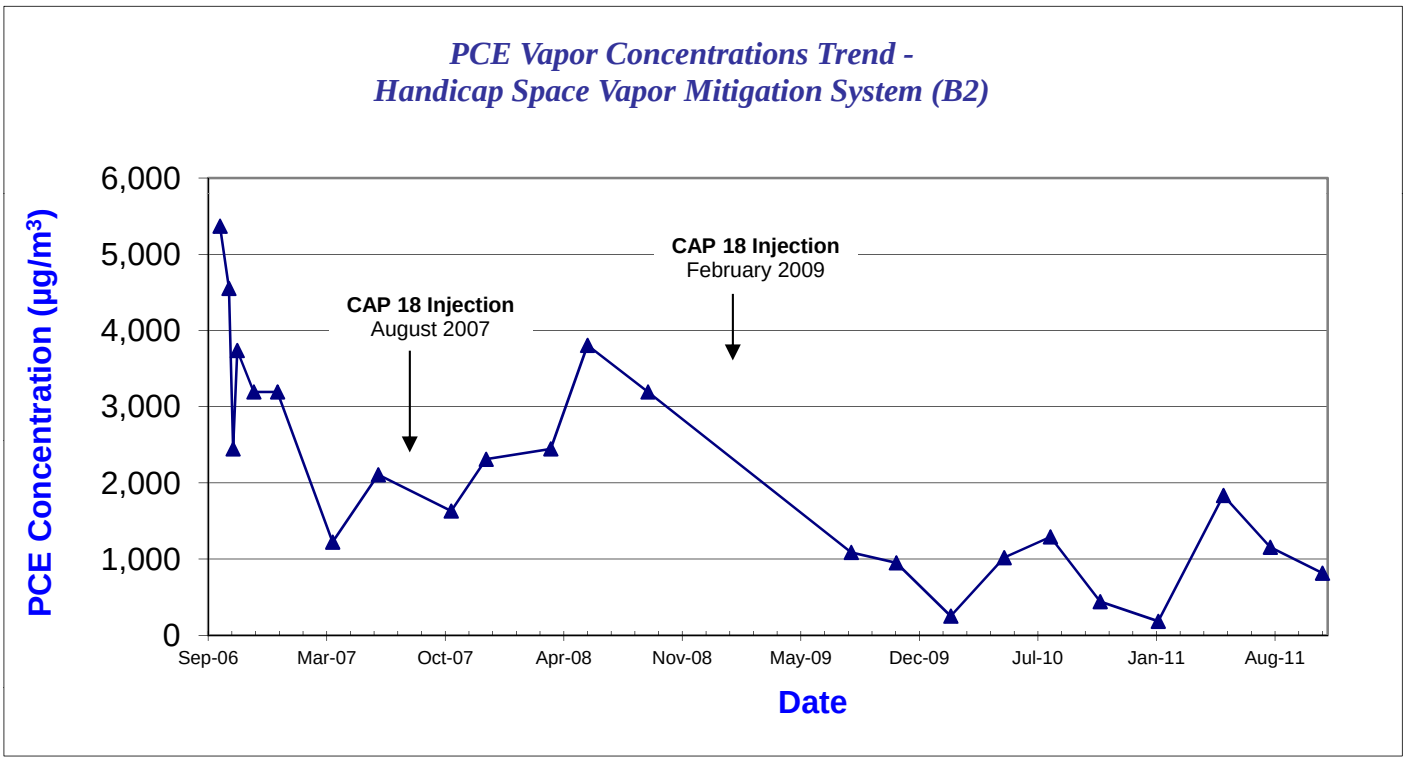
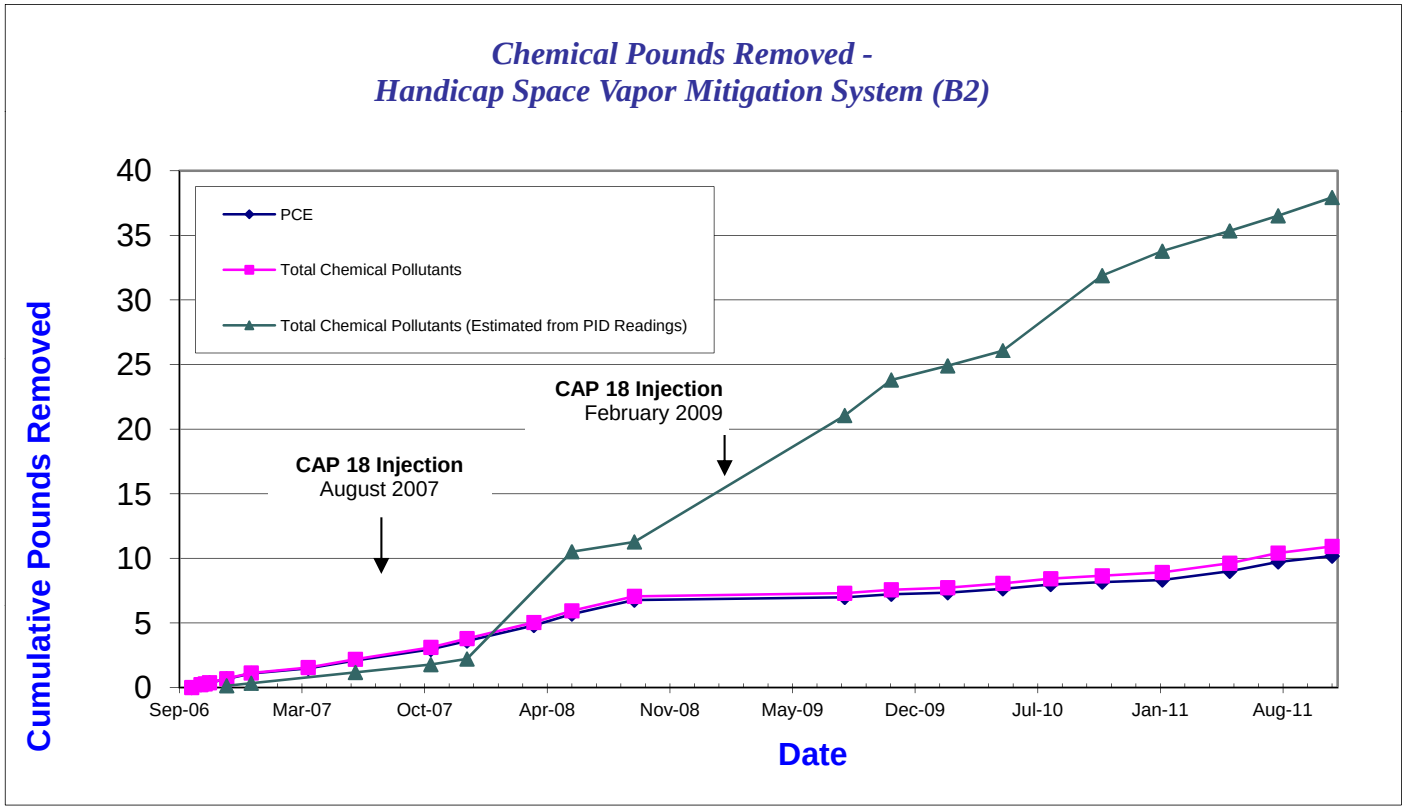
Project Number:	M01046
File:	MI Meadows charts
Date Prepared:	1/16/2012
Scale:	no scale

PCE Concentration Trends
and Cumulative Pounds Removed
Vapor Mitigation System B-1 (Villiage Pantry)
Fourth Quarter 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, IN

FIGURE

7





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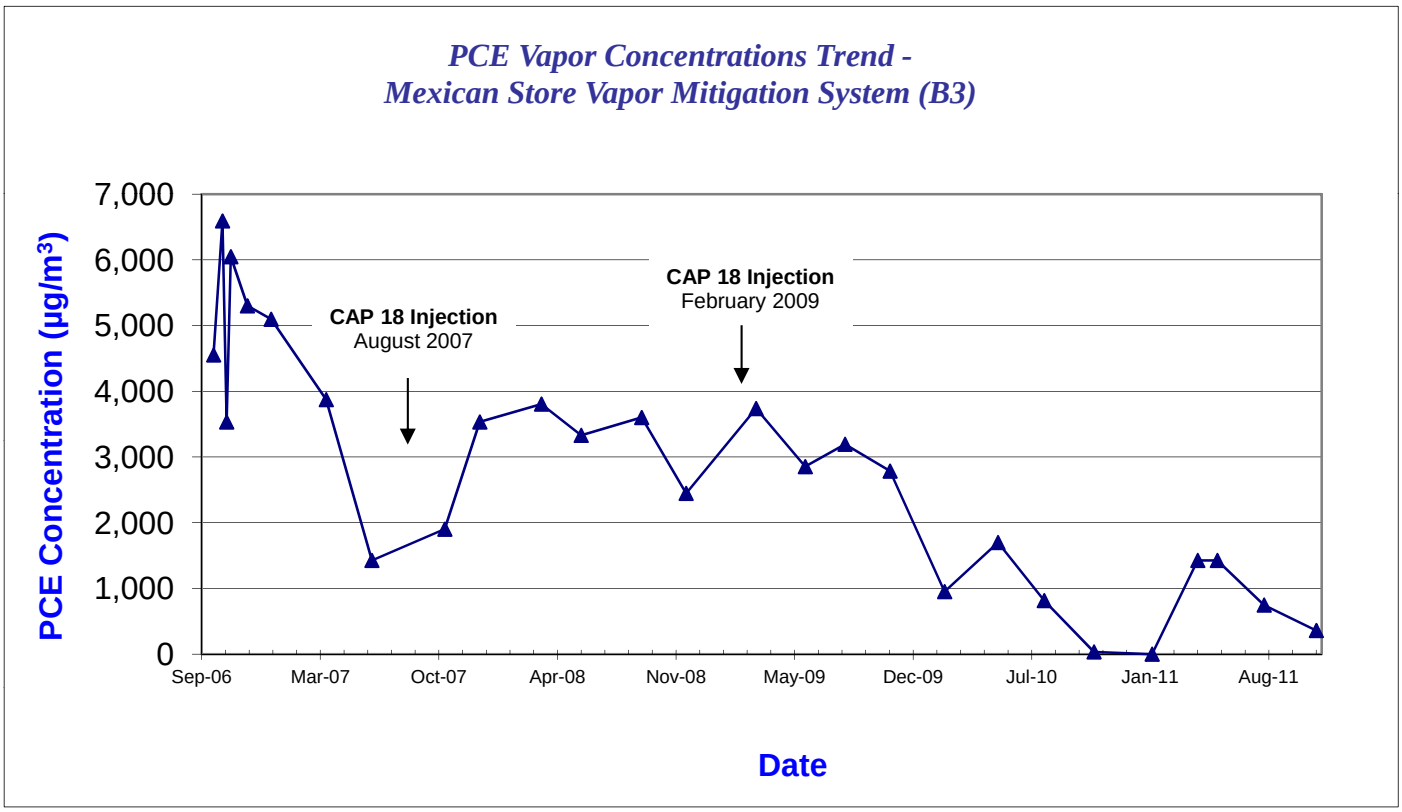
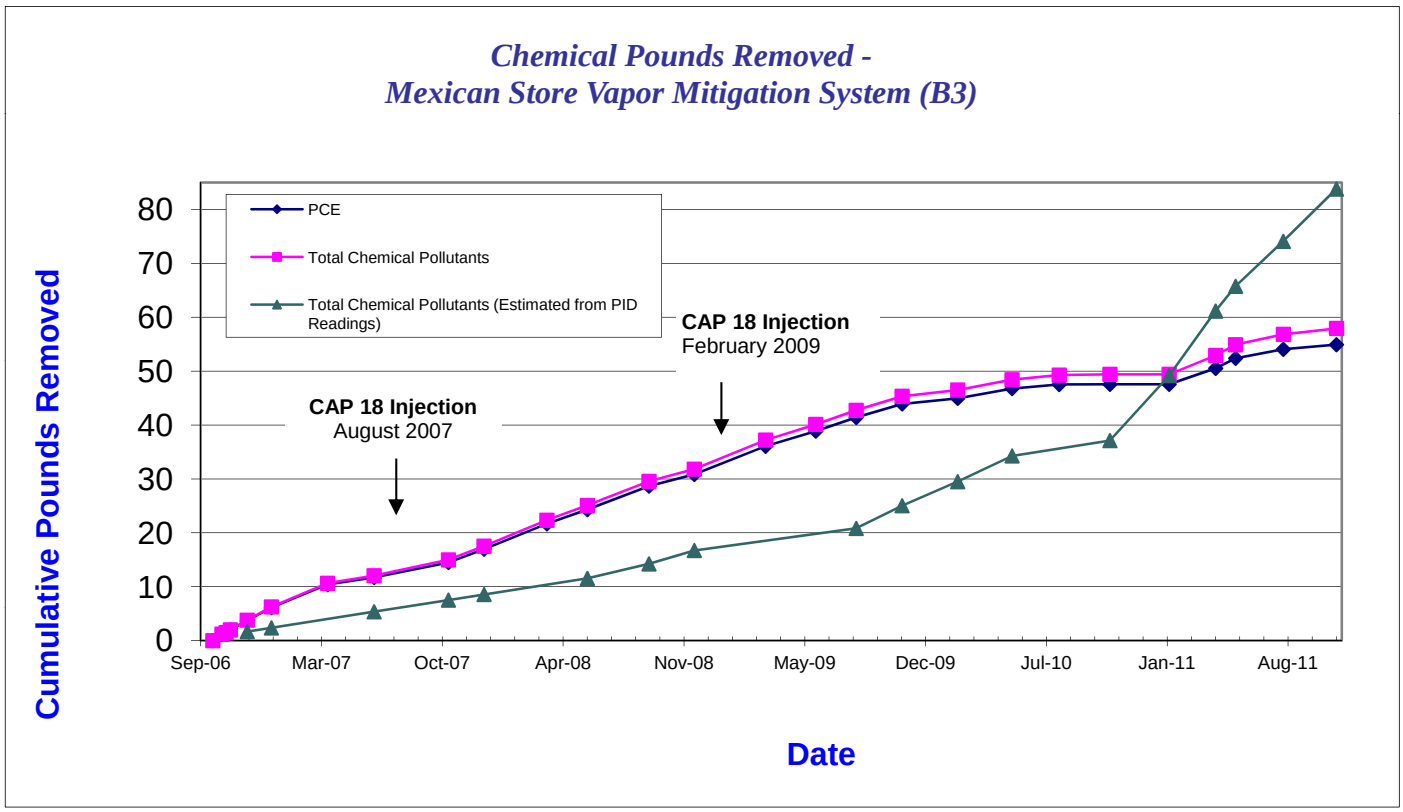
Project Number:	M01046
File:	MI Meadows charts
Date Prepared:	1/16/2012
Scale:	no scale

PCE Concentration Trends
and Cumulative Pounds Removed
Vapor Mitigation System B-2 (Handicap Space)
Fourth Quarter 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, IN

FIGURE

8





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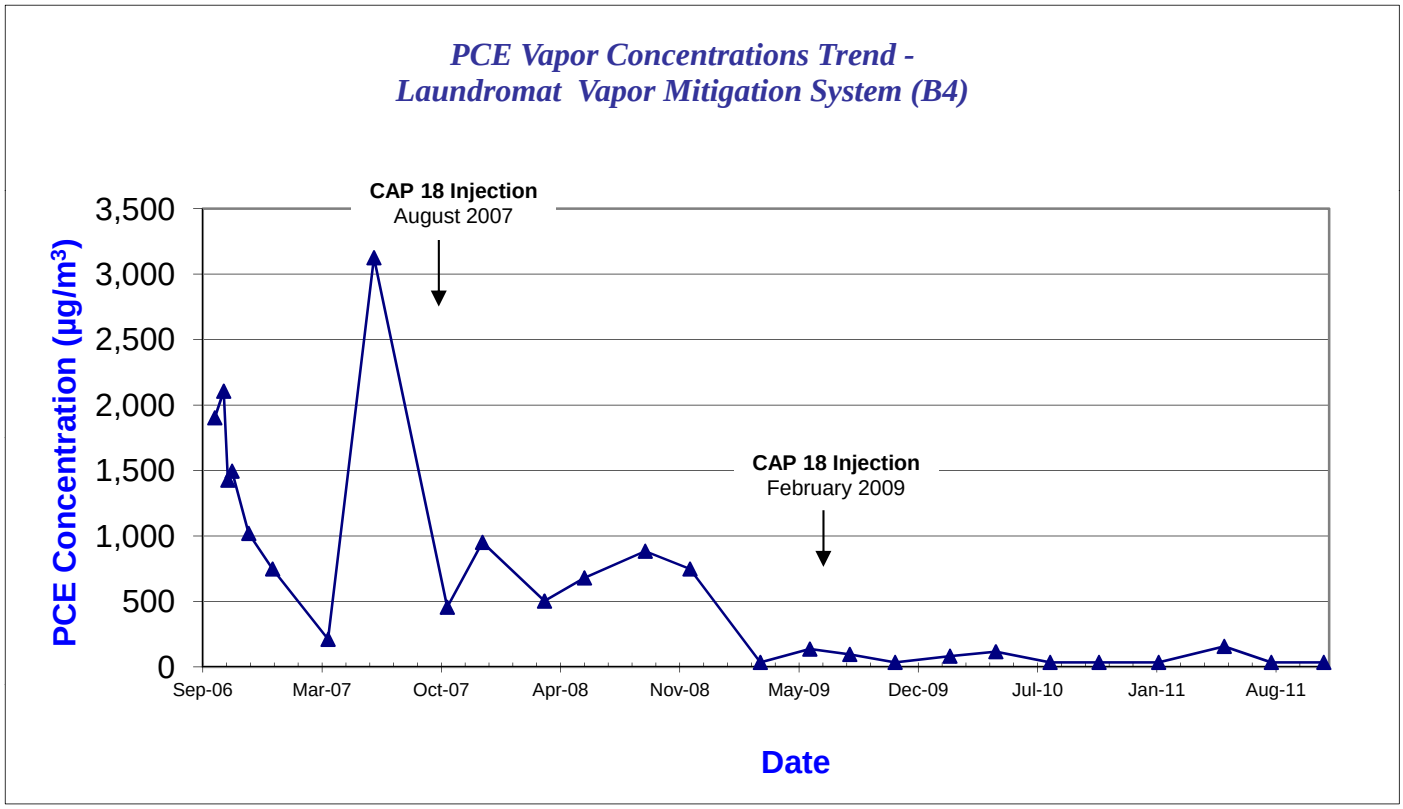
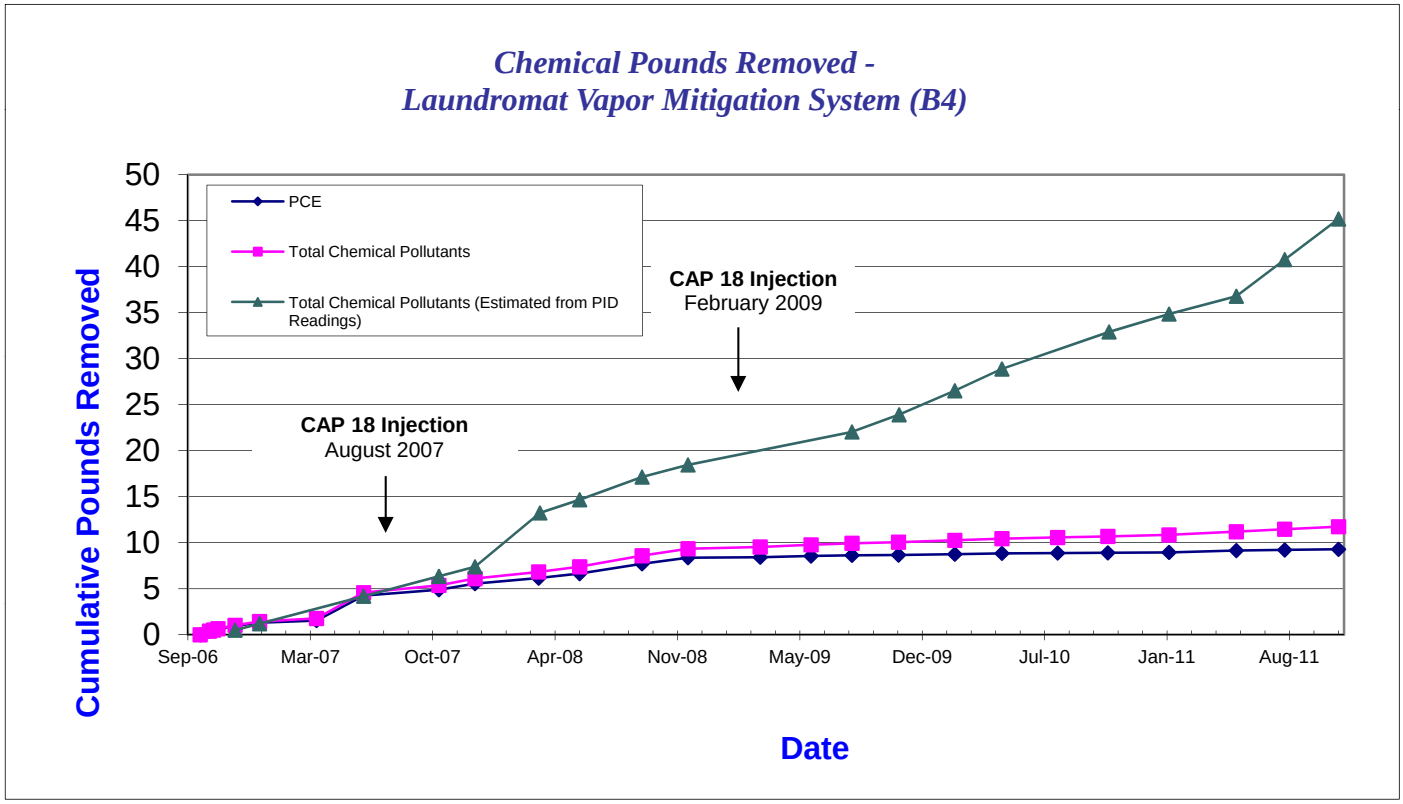
Project Number:	M01046
File:	MI Meadows charts
Date Prepared:	1/16/2012
Scale:	no scale

PCE Concentration Trends
and Cumulative Pounds Removed
Vapor Mitigation System B-3 (Mexican Store)
Fourth Quarter 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, IN

FIGURE

9





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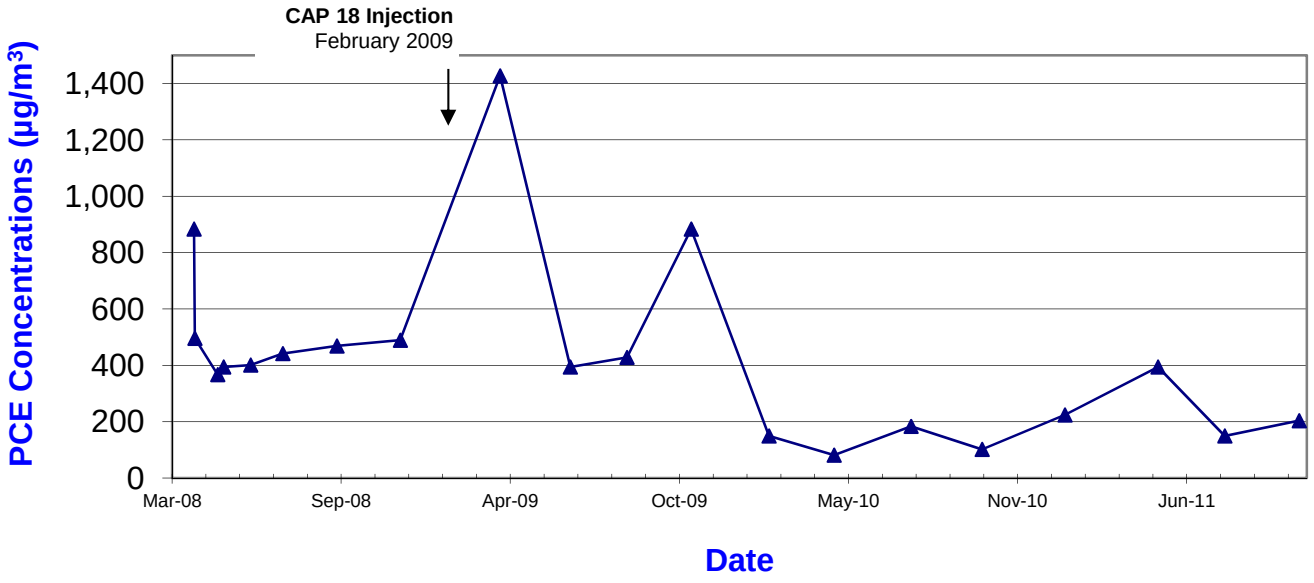
Project Number:	M01046
File:	MI Meadows charts
Date Prepared:	1/16/2012
Scale:	no scale

PCE Concentration Trends
and Cumulative Pounds Removed
Vapor Mitigation System B-4 (Laundromat)
Fourth Quarter 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, IN

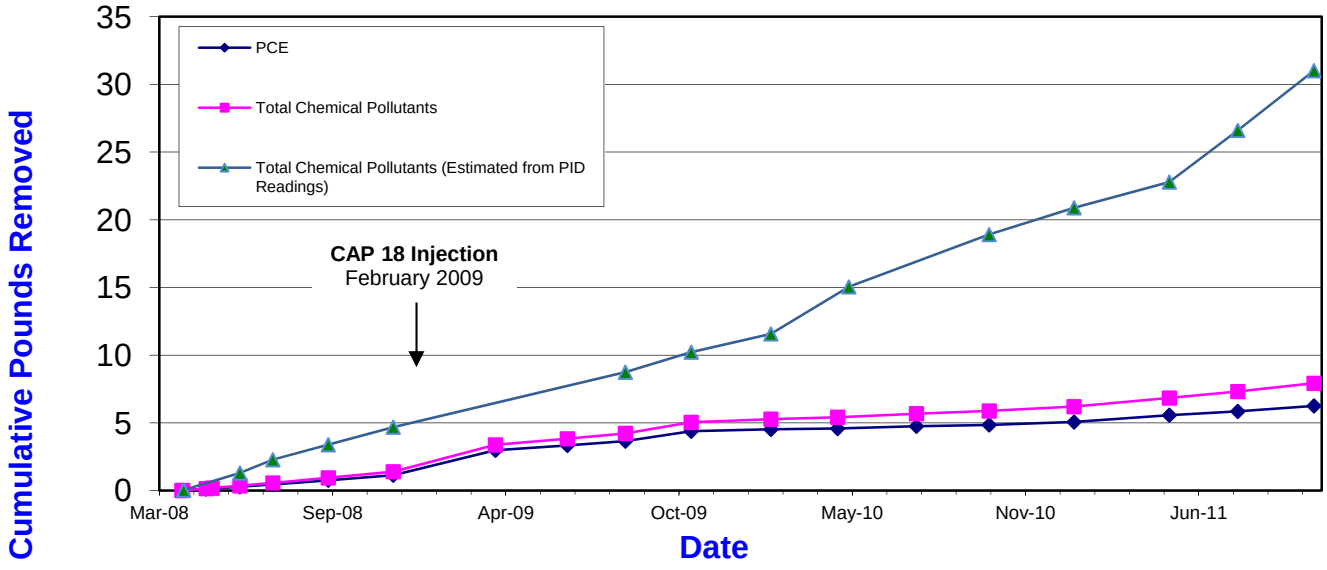
FIGURE

10

PCE Vapor Concentrations Trend - Apartment Building 1 Vapor Mitigation System (B5)



Chemical Pounds Removed - Apartment Building 1 Vapor Mitigation System (B5)



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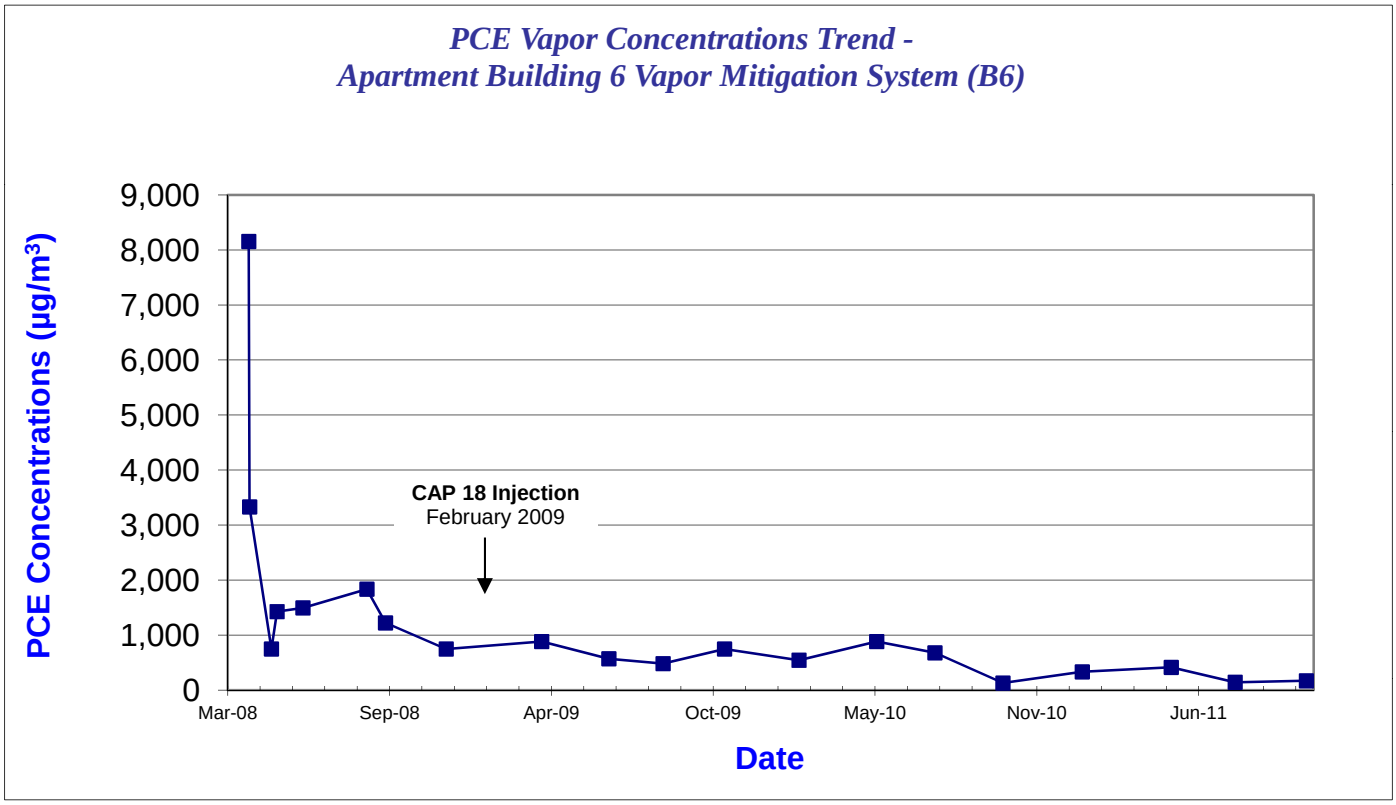
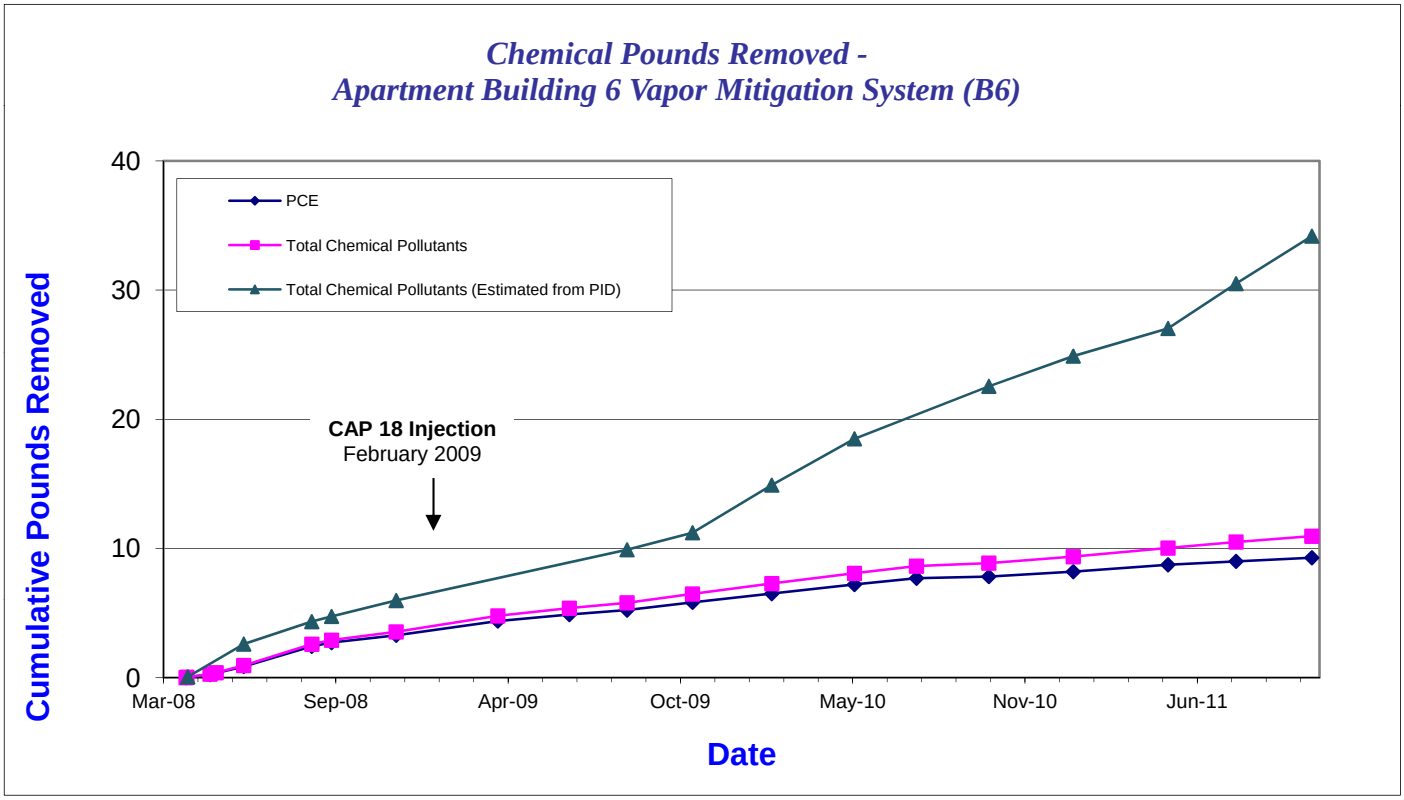
Project Number:	M01046
File:	MI Meadows charts
Date Prepared:	1/16/2012
Scale:	no scale

PCE Concentration Trends
and Cumulative Pounds Removed
Vapor Mitigation System B-5 (Apartments, Bldg. 1)
Fourth Quarter 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, IN

FIGURE

11





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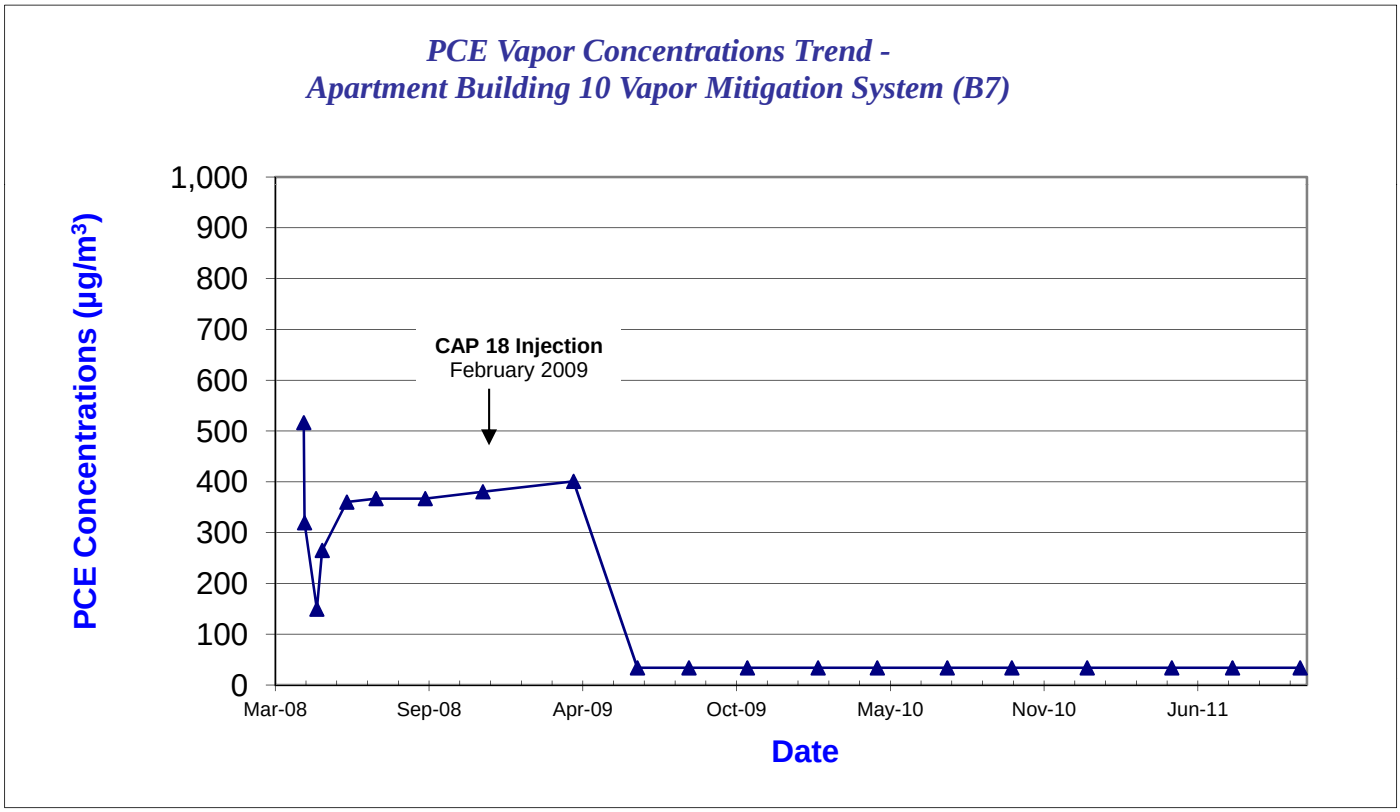
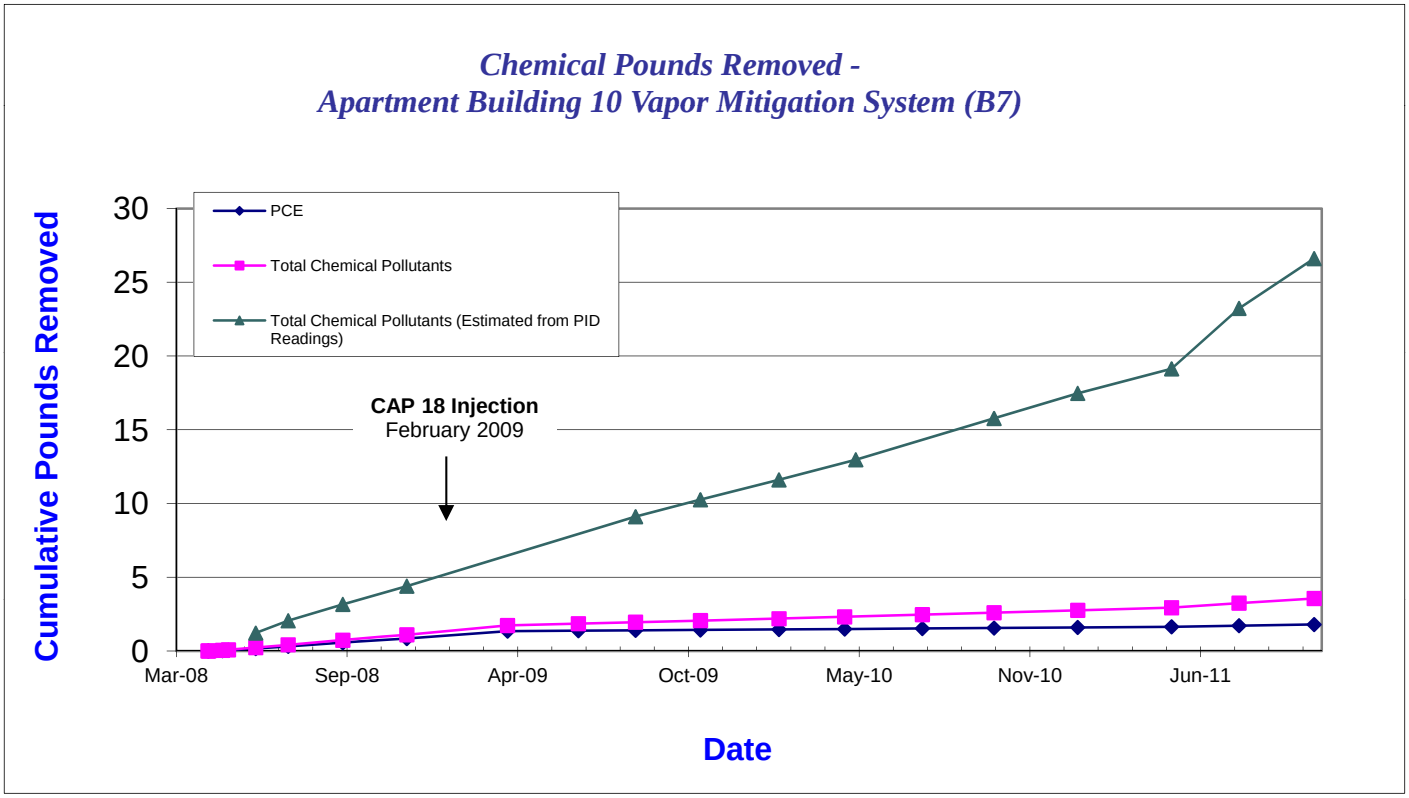
Project Number:	M01046
File:	MI Meadows charts
Date Prepared:	1/16/2012
Scale:	no scale

PCE Concentration Trends
and Cumulative Pounds Removed
Vapor Mitigation System B-6 (Apartments, Bldg. 6)
Fourth Quarter 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, IN

FIGURE

12





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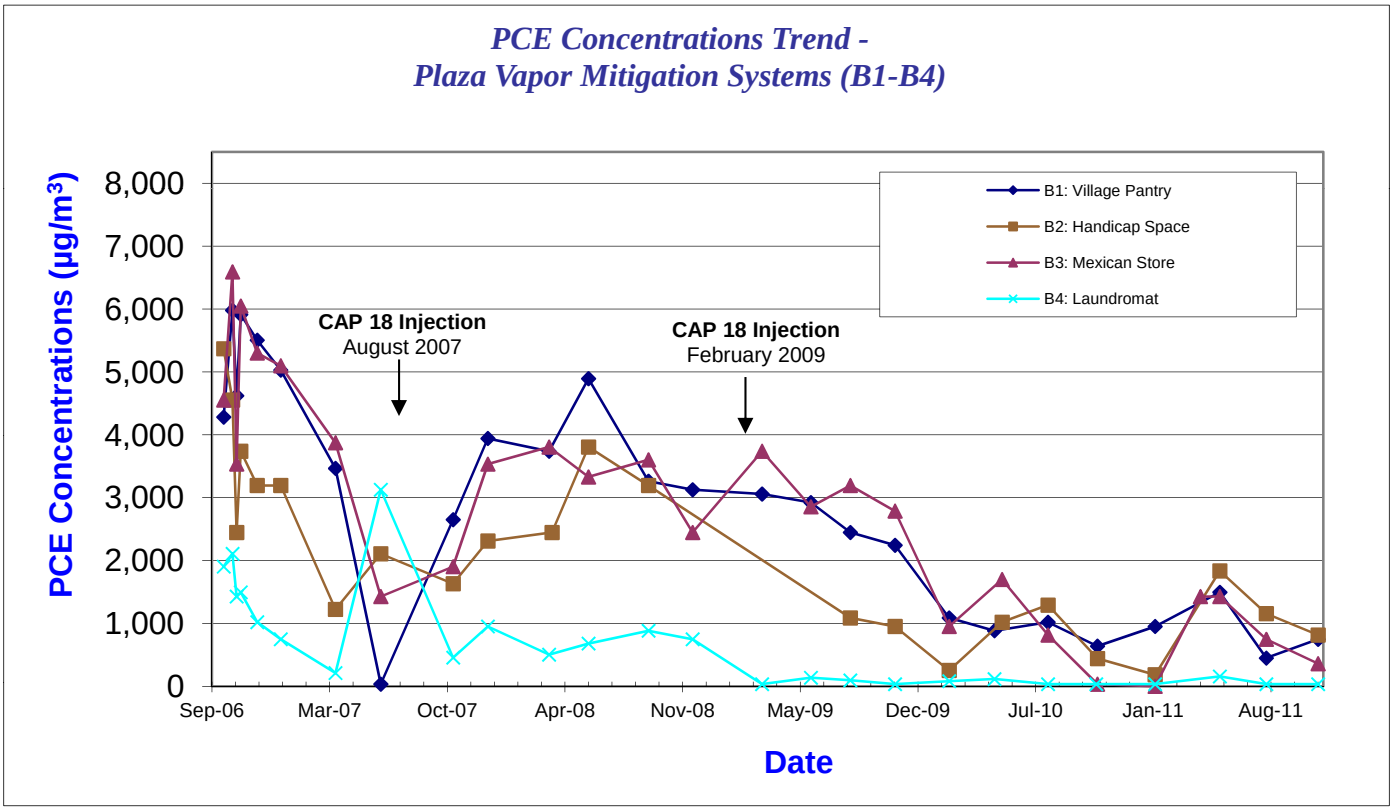
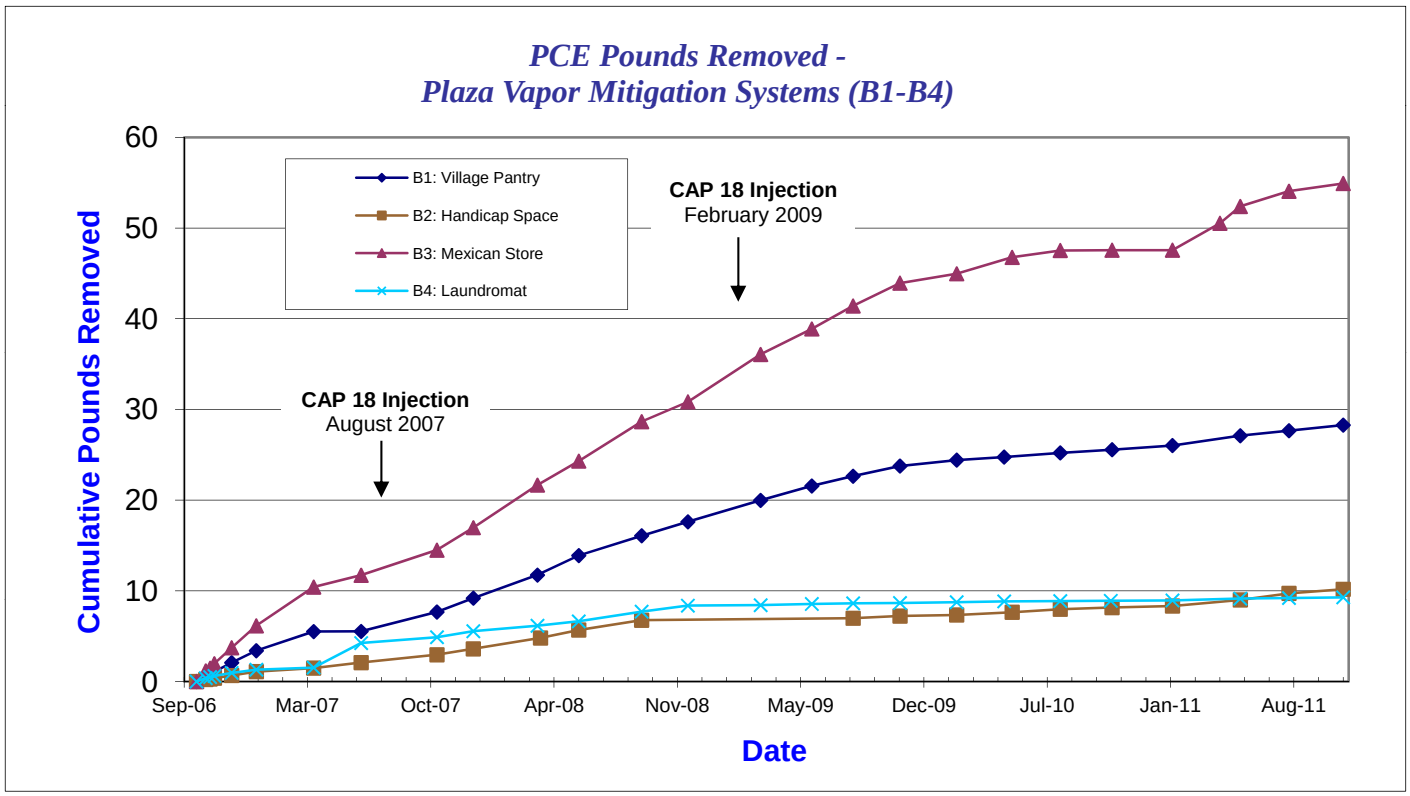
Project Number:	M01046
File:	MI Meadows charts
Date Prepared:	1/16/2012
Scale:	no scale

PCE Concentration Trends
and Cumulative Pounds Removed
Vapor Mitigation System B-7 (Apartments, Bldg. 10)
Fourth Quarter 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, IN

FIGURE

13





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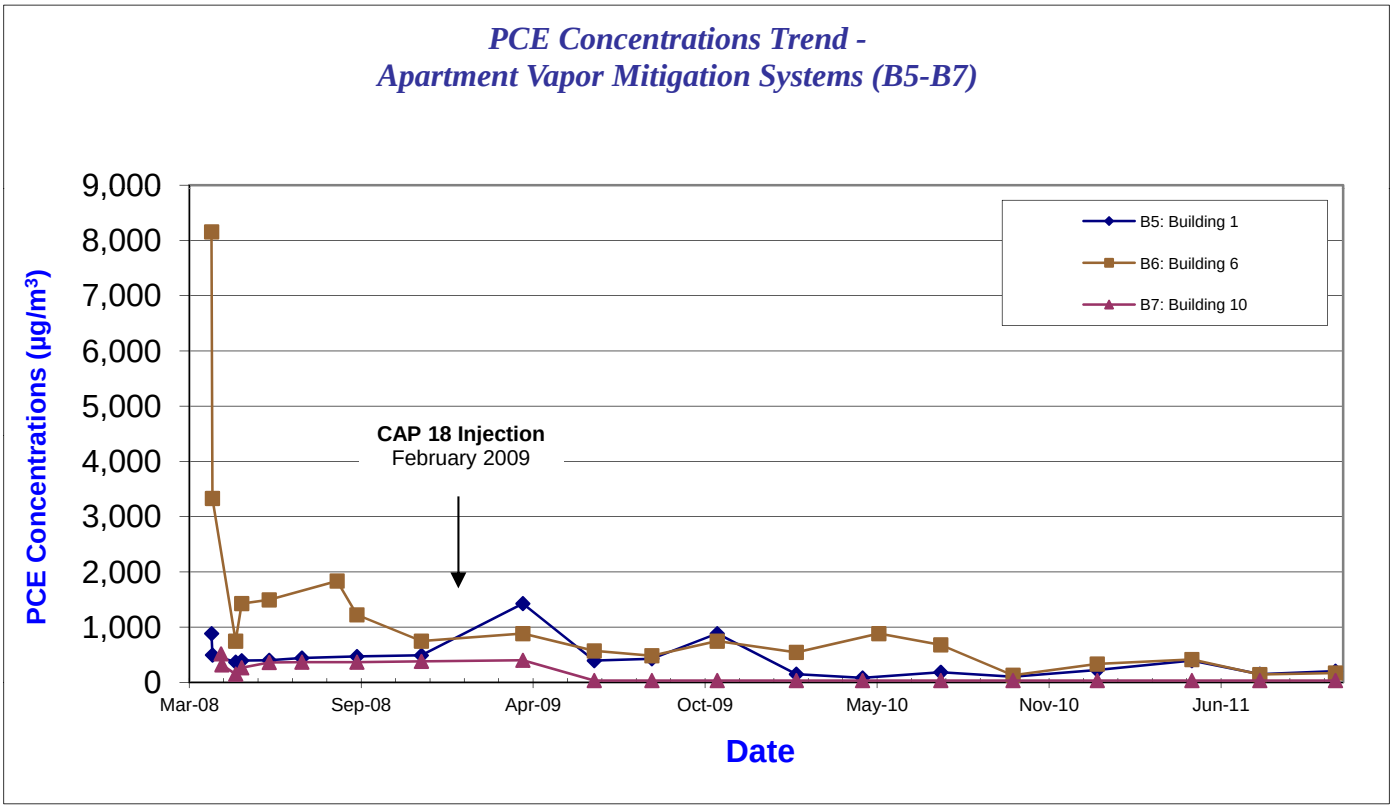
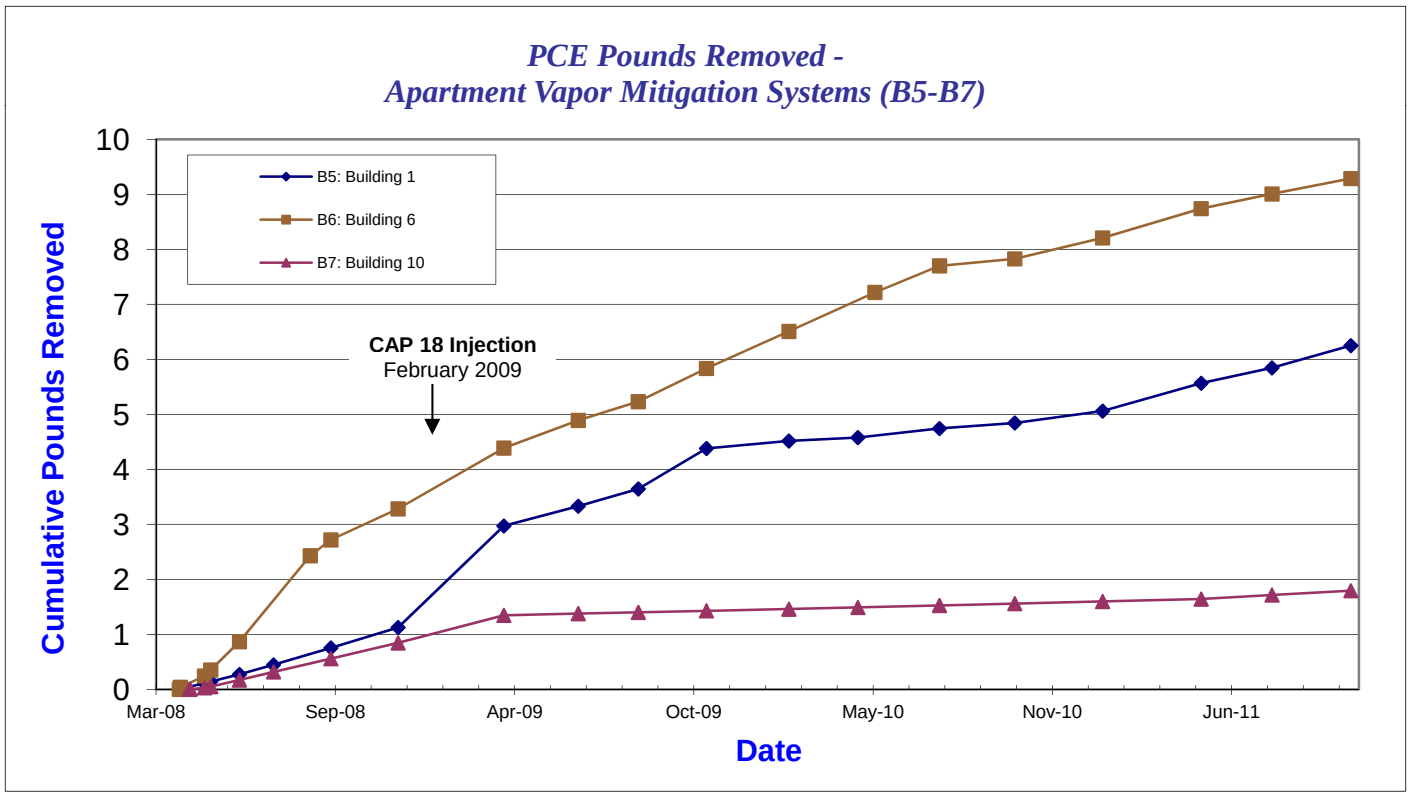
Project Number:	M01046
File:	MI Meadows charts
Date Prepared:	1/16/2012
Scale:	no scale

PCE Concentration Trends
and Cumulative Pounds Removed
Vapor Mitigation Systems B1-B4
Fourth Quarter 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, IN

FIGURE

14





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Project Number:	M01046
File:	MI Meadows charts
Date Prepared:	1/16/2012
Scale:	no scale

PCE Concentration Trends
and Cumulative Pounds Removed
Vapor Mitigation Systems B5-B7 (Apartments)
Fourth Quarter 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, IN

FIGURE

15

APPENDIX A

Lab Analytical Results

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

November 02, 2011

Ms. Sarah Webb
Mundell & Associates
110 South Downey Ave.
Indianapolis, IN 46219

RE: Project: MI Plaza / M01046
Pace Project No.: 5054017

Dear Ms. Webb:
Enclosed are the analytical results for sample(s) received by the laboratory on October 21, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tina Sayer

Tina Sayer

tina.sayer@pacelabs.com
Project Manager

Enclosures

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Indianapolis, IN 46268
(317)875-5894

CERTIFICATIONS

Project: MI Plaza / M01046
Pace Project No.: 5054017

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP: CL0065
West Virginia Certification #: 330

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: MI Plaza / M01046
Pace Project No.: 5054017

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5054017001	**MMW-11S**	Water	10/21/11 11:58	10/21/11 15:51
5054017002	**MMW-11D**	Water	10/21/11 12:29	10/21/11 15:51
5054017003	**MMW-P-09D**	Water	10/21/11 13:05	10/21/11 15:51
5054017004	**MMW-C-01**	Water	10/21/11 13:33	10/21/11 15:51
5054017005	**MMW-P-10S**	Water	10/21/11 14:08	10/21/11 15:51
5054017006	**MMW-P-10D**	Water	10/21/11 08:00	10/21/11 15:51
5054017007	**TRIP BLANK**	Water	10/21/11 08:00	10/21/11 15:51

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SAMPLE ANALYTE COUNT

Project: MI Plaza / M01046
Pace Project No.: 5054017

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5054017001	**MMW-11S**	EPA 8260	ALA	20	PASI-I
5054017002	**MMW-11D**	EPA 8260	ALA	20	PASI-I
5054017003	**MMW-P-09D**	EPA 8260	ALA	20	PASI-I
5054017004	**MMW-C-01**	EPA 8260	ALA	20	PASI-I
		EPA 353.2	DDM	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5054017005	**MMW-P-10S**	EPA 8260	ALA	20	PASI-I
		EPA 353.2	DDM	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5054017006	**MMW-P-10D**	EPA 8260	ALA	20	PASI-I
		EPA 353.2	DDM	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5054017007	**TRIP BLANK**	EPA 8260	ALA	20	PASI-I

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ANALYTICAL RESULTS

Project: MI Plaza / M01046
Pace Project No.: 5054017

Sample: MMW-11S **Lab ID: 5054017001** Collected: 10/21/11 11:58 Received: 10/21/11 15:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/31/11 15:00	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/31/11 15:00	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/31/11 15:00	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/31/11 15:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/31/11 15:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/31/11 15:00	75-35-4	
cis-1,2-Dichloroethene	**33.9**	ug/L	5.0	1		10/31/11 15:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/31/11 15:00	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/31/11 15:00	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/31/11 15:00	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/31/11 15:00	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/31/11 15:00	127-18-4	
Toluene	ND	ug/L	5.0	1		10/31/11 15:00	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/31/11 15:00	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/31/11 15:00	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		10/31/11 15:00	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/31/11 15:00	1330-20-7	
Dibromofluoromethane (S)	92	%	83-123	1		10/31/11 15:00	1868-53-7	
4-Bromofluorobenzene (S)	104	%	72-125	1		10/31/11 15:00	460-00-4	
Toluene-d8 (S)	96	%	81-114	1		10/31/11 15:00	2037-26-5	

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Indianapolis, IN 46268
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ANALYTICAL RESULTS

Project: MI Plaza / M01046
Pace Project No.: 5054017

Sample: MMW-11D **Lab ID: 5054017002** Collected: 10/21/11 12:29 Received: 10/21/11 15:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/31/11 15:32	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/31/11 15:32	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/31/11 15:32	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/31/11 15:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/31/11 15:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/31/11 15:32	75-35-4	
cis-1,2-Dichloroethene	**751**	ug/L	50.0	10		10/31/11 20:52	156-59-2	
trans-1,2-Dichloroethene	**22.7**	ug/L	5.0	1		10/31/11 15:32	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/31/11 15:32	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/31/11 15:32	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/31/11 15:32	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/31/11 15:32	127-18-4	
Toluene	ND	ug/L	5.0	1		10/31/11 15:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/31/11 15:32	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/31/11 15:32	79-01-6	
Vinyl chloride	**11.8**	ug/L	2.0	1		10/31/11 15:32	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/31/11 15:32	1330-20-7	
Dibromofluoromethane (S)	95	%	83-123	1		10/31/11 15:32	1868-53-7	
4-Bromofluorobenzene (S)	105	%	72-125	1		10/31/11 15:32	460-00-4	
Toluene-d8 (S)	95	%	81-114	1		10/31/11 15:32	2037-26-5	

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ANALYTICAL RESULTS

Project: MI Plaza / M01046
Pace Project No.: 5054017

Sample: MMW-P-09D **Lab ID: 5054017003** Collected: 10/21/11 13:05 Received: 10/21/11 15:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/31/11 16:04	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/31/11 16:04	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/31/11 16:04	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/31/11 16:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/31/11 16:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/31/11 16:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/31/11 16:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/31/11 16:04	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/31/11 16:04	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/31/11 16:04	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/31/11 16:04	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/31/11 16:04	127-18-4	
Toluene	ND	ug/L	5.0	1		10/31/11 16:04	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/31/11 16:04	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/31/11 16:04	79-01-6	
Vinyl chloride	**71.9**	ug/L	2.0	1		10/31/11 16:04	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/31/11 16:04	1330-20-7	
Dibromofluoromethane (S)	91	%	83-123	1		10/31/11 16:04	1868-53-7	
4-Bromofluorobenzene (S)	104	%	72-125	1		10/31/11 16:04	460-00-4	
Toluene-d8 (S)	97	%	81-114	1		10/31/11 16:04	2037-26-5	

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ANALYTICAL RESULTS

Project: MI Plaza / M01046
Pace Project No.: 5054017

Sample: MMW-C-01 **Lab ID: 5054017004** Collected: 10/21/11 13:33 Received: 10/21/11 15:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/31/11 16:36	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/31/11 16:36	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/31/11 16:36	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/31/11 16:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/31/11 16:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/31/11 16:36	75-35-4	
cis-1,2-Dichloroethene	**20.6**	ug/L	5.0	1		10/31/11 16:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/31/11 16:36	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/31/11 16:36	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/31/11 16:36	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/31/11 16:36	91-20-3	
Tetrachloroethene	**18.7**	ug/L	5.0	1		10/31/11 16:36	127-18-4	
Toluene	ND	ug/L	5.0	1		10/31/11 16:36	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/31/11 16:36	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/31/11 16:36	79-01-6	
Vinyl chloride	**58.8**	ug/L	2.0	1		10/31/11 16:36	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/31/11 16:36	1330-20-7	
Dibromofluoromethane (S)	93	%	83-123	1		10/31/11 16:36	1868-53-7	
4-Bromofluorobenzene (S)	104	%	72-125	1		10/31/11 16:36	460-00-4	
Toluene-d8 (S)	96	%	81-114	1		10/31/11 16:36	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**0.79**	mg/L	0.10	1		10/21/11 16:37		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/21/11 16:37		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**2.4**	mg/L	1.0	1		11/01/11 16:05	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**89.0**	mg/L	25.0	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza / M01046
Pace Project No.: 5054017

Sample: MMW-P-10S **Lab ID: 5054017005** Collected: 10/21/11 14:08 Received: 10/21/11 15:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/31/11 18:12	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/31/11 18:12	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/31/11 18:12	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/31/11 18:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/31/11 18:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/31/11 18:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/31/11 18:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/31/11 18:12	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/31/11 18:12	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/31/11 18:12	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/31/11 18:12	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/31/11 18:12	127-18-4	
Toluene	ND	ug/L	5.0	1		10/31/11 18:12	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/31/11 18:12	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/31/11 18:12	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		10/31/11 18:12	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/31/11 18:12	1330-20-7	
Dibromofluoromethane (S)	92	%	83-123	1		10/31/11 18:12	1868-53-7	
4-Bromofluorobenzene (S)	104	%	72-125	1		10/31/11 18:12	460-00-4	
Toluene-d8 (S)	96	%	81-114	1		10/31/11 18:12	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/21/11 16:40		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/21/11 16:40		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.7**	mg/L	1.0	1		11/01/11 16:19	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**13.9**	mg/L	5.0	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza / M01046
Pace Project No.: 5054017

Sample: MMW-P-10D **Lab ID: 5054017006** Collected: 10/21/11 08:00 Received: 10/21/11 15:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/31/11 19:16	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/31/11 19:16	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/31/11 19:16	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/31/11 19:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/31/11 19:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/31/11 19:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/31/11 19:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/31/11 19:16	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/31/11 19:16	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/31/11 19:16	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/31/11 19:16	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/31/11 19:16	127-18-4	
Toluene	ND	ug/L	5.0	1		10/31/11 19:16	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/31/11 19:16	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/31/11 19:16	79-01-6	
Vinyl chloride	**444**	ug/L	20.0	10		10/31/11 19:48	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/31/11 19:16	1330-20-7	
Dibromofluoromethane (S)	93	%	83-123	1		10/31/11 19:16	1868-53-7	
4-Bromofluorobenzene (S)	103	%	72-125	1		10/31/11 19:16	460-00-4	
Toluene-d8 (S)	96	%	81-114	1		10/31/11 19:16	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/21/11 16:41		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/21/11 16:41		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.7**	mg/L	1.0	1		11/01/11 17:02	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**55.0**	mg/L	12.5	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza / M01046
Pace Project No.: 5054017

Sample: TRIP BLANK **Lab ID: 5054017007** Collected: 10/21/11 08:00 Received: 10/21/11 15:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/31/11 20:20	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/31/11 20:20	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/31/11 20:20	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/31/11 20:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/31/11 20:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/31/11 20:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/31/11 20:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/31/11 20:20	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/31/11 20:20	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/31/11 20:20	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/31/11 20:20	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/31/11 20:20	127-18-4	
Toluene	ND	ug/L	5.0	1		10/31/11 20:20	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/31/11 20:20	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/31/11 20:20	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		10/31/11 20:20	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/31/11 20:20	1330-20-7	
Dibromofluoromethane (S)	92	%	83-123	1		10/31/11 20:20	1868-53-7	
4-Bromofluorobenzene (S)	103	%	72-125	1		10/31/11 20:20	460-00-4	
Toluene-d8 (S)	95	%	81-114	1		10/31/11 20:20	2037-26-5	

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QUALITY CONTROL DATA

Project: MI Plaza / M01046
Pace Project No.: 5054017

QC Batch: MSV/37020 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5054017001, 5054017002, 5054017003, 5054017004, 5054017005, 5054017006, 5054017007

METHOD BLANK: 643171 Matrix: Water
Associated Lab Samples: 5054017001, 5054017002, 5054017003, 5054017004, 5054017005, 5054017006, 5054017007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	10/31/11 14:28	
1,1-Dichloroethane	ug/L	ND	5.0	10/31/11 14:28	
1,1-Dichloroethene	ug/L	ND	5.0	10/31/11 14:28	
1,2-Dichloroethane	ug/L	ND	5.0	10/31/11 14:28	
Benzene	ug/L	ND	5.0	10/31/11 14:28	
Carbon tetrachloride	ug/L	ND	5.0	10/31/11 14:28	
Chloroform	ug/L	ND	5.0	10/31/11 14:28	
cis-1,2-Dichloroethene	ug/L	ND	5.0	10/31/11 14:28	
Ethylbenzene	ug/L	ND	5.0	10/31/11 14:28	
Methylene chloride	ug/L	ND	5.0	10/31/11 14:28	
Naphthalene	ug/L	ND	5.0	10/31/11 14:28	
Tetrachloroethene	ug/L	ND	5.0	10/31/11 14:28	
Toluene	ug/L	ND	5.0	10/31/11 14:28	
trans-1,2-Dichloroethene	ug/L	ND	5.0	10/31/11 14:28	
Trichloroethene	ug/L	ND	5.0	10/31/11 14:28	
Vinyl chloride	ug/L	ND	2.0	10/31/11 14:28	
Xylene (Total)	ug/L	ND	10.0	10/31/11 14:28	
4-Bromofluorobenzene (S)	%	105	72-125	10/31/11 14:28	
Dibromofluoromethane (S)	%	94	83-123	10/31/11 14:28	
Toluene-d8 (S)	%	96	81-114	10/31/11 14:28	

LABORATORY CONTROL SAMPLE: 643172

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	40.1	80	69-126	
1,1-Dichloroethane	ug/L	50	40.3	81	70-127	
1,1-Dichloroethene	ug/L	50	45.9	92	75-145	
1,2-Dichloroethane	ug/L	50	43.4	87	71-127	
Benzene	ug/L	50	45.2	90	76-123	
Carbon tetrachloride	ug/L	50	37.9	76	65-125	
Chloroform	ug/L	50	44.5	89	73-122	
cis-1,2-Dichloroethene	ug/L	50	43.4	87	79-129	
Ethylbenzene	ug/L	50	46.6	93	75-120	
Methylene chloride	ug/L	50	43.6	87	61-138	
Naphthalene	ug/L	50	44.5	89	62-130	
Tetrachloroethene	ug/L	50	45.9	92	57-125	
Toluene	ug/L	50	42.8	86	72-124	
trans-1,2-Dichloroethene	ug/L	50	44.2	88	71-145	
Trichloroethene	ug/L	50	44.0	88	77-122	
Vinyl chloride	ug/L	50	49.5	99	61-146	
Xylene (Total)	ug/L	150	137	91	72-126	

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QUALITY CONTROL DATA

Project: MI Plaza / M01046
Pace Project No.: 5054017

LABORATORY CONTROL SAMPLE: 643172

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			106	72-125	
Dibromofluoromethane (S)	%			101	83-123	
Toluene-d8 (S)	%			96	81-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 643173 643174

Parameter	Units	5054017004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	45.3	45.8	91	92	37-136	1	20	
1,1-Dichloroethane	ug/L	ND	50	50	46.1	46.4	92	93	47-138	.5	20	
1,1-Dichloroethene	ug/L	ND	50	50	52.4	52.7	105	105	54-152	.6	20	
1,2-Dichloroethane	ug/L	ND	50	50	50.9	50.6	102	101	42-139	.5	20	
Benzene	ug/L	ND	50	50	51.6	51.7	103	103	52-134	.2	20	
Carbon tetrachloride	ug/L	ND	50	50	42.7	44.2	85	88	26-136	3	20	
Chloroform	ug/L	ND	50	50	51.1	51.5	102	103	50-134	.7	20	
cis-1,2-Dichloroethene	ug/L	20.6	50	50	70.0	70.2	99	99	48-145	.4	20	
Ethylbenzene	ug/L	ND	50	50	53.1	53.4	106	107	29-132	.5	20	
Methylene chloride	ug/L	ND	50	50	48.9	49.0	98	98	47-141	.3	20	
Naphthalene	ug/L	ND	50	50	51.2	49.4	102	99	40-124	4	20	
Tetrachloroethene	ug/L	18.7	50	50	70.6	70.5	104	104	30-124	.2	20	
Toluene	ug/L	ND	50	50	49.1	48.9	98	98	42-130	.5	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	51.6	51.1	101	101	48-144	.9	20	
Trichloroethene	ug/L	ND	50	50	51.6	51.4	98	97	44-130	.5	20	
Vinyl chloride	ug/L	58.8	50	50	111	111	104	104	45-159	.3	20	
Xylene (Total)	ug/L	ND	150	150	155	156	103	104	29-131	.9	20	
4-Bromofluorobenzene (S)	%						106	107	72-125		20	
Dibromofluoromethane (S)	%						99	99	83-123		20	
Toluene-d8 (S)	%						97	96	81-114		20	

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QUALITY CONTROL DATA

Project: MI Plaza / M01046
Pace Project No.: 5054017

QC Batch: WETA/7028 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 5054017004, 5054017005, 5054017006

METHOD BLANK: 639786 | Matrix: Water
Associated Lab Samples: 5054017004, 5054017005, 5054017006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	10/21/11 16:35	
Nitrogen, Nitrite	mg/L	ND	0.10	10/21/11 16:35	

LABORATORY CONTROL SAMPLE: 639787

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	2	2.0	99	90-110	
Nitrogen, Nitrite	mg/L	2	1.9	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 639788 639789

Parameter	Units	5054017004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	0.79	2.5	2.5	3.2	3.3	96	101	90-110	3	20	
Nitrogen, Nitrite	mg/L	ND	2.5	2.5	2.4	2.4	95	95	90-110	.4	20	

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QUALITY CONTROL DATA

Project: MI Plaza / M01046
Pace Project No.: 5054017

QC Batch: WETA/18104 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 5054017004, 5054017005

METHOD BLANK: 902080 | Matrix: Water
Associated Lab Samples: 5054017004, 5054017005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	11/01/11 09:58	

LABORATORY CONTROL SAMPLE: 902081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	4.8	95	80-120	

MATRIX SPIKE SAMPLE: 902082

Parameter	Units	5053912004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	9.5	5	15.8	126	80-120	M0

SAMPLE DUPLICATE: 902083

Parameter	Units	5053952001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	1.4	1.4	2	25	

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QUALITY CONTROL DATA

Project: MI Plaza / M01046
Pace Project No.: 5054017

QC Batch: WETA/18105 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 5054017006

METHOD BLANK: 902085 | Matrix: Water
Associated Lab Samples: 5054017006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	11/01/11 16:33	

LABORATORY CONTROL SAMPLE: 902086

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.0	99	80-120	

MATRIX SPIKE SAMPLE: 902088

Parameter	Units	5054083003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.6	5	7.6	101	80-120	

SAMPLE DUPLICATE: 902087

Parameter	Units	10173444001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	1.9	2.1	9	25	

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QUALITY CONTROL DATA

Project: MI Plaza / M01046
Pace Project No.: 5054017

QC Batch: WETA/7053 | Analysis Method: ASTM D516-90,02
QC Batch Method: ASTM D516-90,02 | Analysis Description: ASTM D516-9002 Sulfate Water
Associated Lab Samples: 5054017004, 5054017005, 5054017006

METHOD BLANK: 643009 | Matrix: Water
Associated Lab Samples: 5054017004, 5054017005, 5054017006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	11/01/11 10:02	N2

LABORATORY CONTROL SAMPLE: 643010

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.9	110	90-110	N2

MATRIX SPIKE SAMPLE: 643011

Parameter	Units	5053952001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	84.2	200	311	113	90-110	M0,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 643012 643013

Parameter	Units	5054083003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	164	200	200	399	382	118	109	90-110	4	20	E,M0, N2

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QUALIFIERS

Project: MI Plaza / M01046
Pace Project No.: 5054017

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis
PASI-K	Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
N2	The lab does not hold TNI accreditation for this parameter.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MI Plaza / M01046
Pace Project No.: 5054017

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5054017001	**MMW-11S**	EPA 8260	MSV/37020		
5054017002	**MMW-11D**	EPA 8260	MSV/37020		
5054017003	**MMW-P-09D**	EPA 8260	MSV/37020		
5054017004	**MMW-C-01**	EPA 8260	MSV/37020		
5054017005	**MMW-P-10S**	EPA 8260	MSV/37020		
5054017006	**MMW-P-10D**	EPA 8260	MSV/37020		
5054017007	**TRIP BLANK**	EPA 8260	MSV/37020		
5054017004	**MMW-C-01**	EPA 353.2	WETA/7028		
5054017005	**MMW-P-10S**	EPA 353.2	WETA/7028		
5054017006	**MMW-P-10D**	EPA 353.2	WETA/7028		
5054017004	**MMW-C-01**	SM 5310C	WETA/18104		
5054017005	**MMW-P-10S**	SM 5310C	WETA/18104		
5054017006	**MMW-P-10D**	SM 5310C	WETA/18105		
5054017004	**MMW-C-01**	ASTM D516-90,02	WETA/7053		
5054017005	**MMW-P-10S**	ASTM D516-90,02	WETA/7053		
5054017006	**MMW-P-10D**	ASTM D516-90,02	WETA/7053		

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November 03, 2011

Ms. Sarah Webb
Mundell & Associates
110 South Downey Ave.
Indianapolis, IN 46219

RE: Project: MI Plaza M01046
Pace Project No.: 5053952

Dear Ms. Webb:
Enclosed are the analytical results for sample(s) received by the laboratory on October 20, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tina Sayer

Tina Sayer

tina.sayer@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: MI Plaza M01046
Pace Project No.: 5053952

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP: CL0065
West Virginia Certification #: 330

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: MI Plaza M01046
Pace Project No.: 5053952

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5053952001	**MMW-P-02**	Water	10/19/11 09:39	10/20/11 10:30
5053952002	**MMW-P-03S**	Water	10/19/11 10:26	10/20/11 10:30
5053952003	**Dup-1**	Water	10/19/11 08:00	10/20/11 10:30
5053952004	**MMW-P-05**	Water	10/19/11 11:35	10/20/11 10:30
5053952005	**Dup-2**	Water	10/19/11 08:00	10/20/11 10:30
5053952006	**MMW-1S**	Water	10/19/11 12:29	10/20/11 10:30
5053952007	**MMW-14D**	Water	10/19/11 13:19	10/20/11 10:30
5053952008	**MMW-10S**	Water	10/19/11 13:49	10/20/11 10:30
5053952009	**Trip Blank**	Water	10/19/11 08:00	10/20/11 10:30

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SAMPLE ANALYTE COUNT

Project: MI Plaza M01046
Pace Project No.: 5053952

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5053952001	**MMW-P-02**	EPA 8260	ALA, JLZ	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5053952002	**MMW-P-03S**	EPA 8260	ALA, JLZ	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5053952003	**Dup-1**	EPA 8260	JLZ	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5053952004	**MMW-P-05**	EPA 8260	JLZ	20	PASI-I
5053952005	**Dup-2**	EPA 8260	JLZ	20	PASI-I
5053952006	**MMW-1S**	EPA 8260	JLZ	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5053952007	**MMW-14D**	EPA 8260	JLZ	20	PASI-I
5053952008	**MMW-10S**	EPA 8260	JLZ	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5053952009	**Trip Blank**	EPA 8260	JLZ	20	PASI-I

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5053952

Sample: MMW-P-02 **Lab ID: 5053952001** Collected: 10/19/11 09:39 Received: 10/20/11 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 01:49	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 01:49	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 01:49	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 01:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 01:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 01:49	75-35-4	
cis-1,2-Dichloroethene	**36.9**	ug/L	5.0	1		10/29/11 01:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/29/11 01:49	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 01:49	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 01:49	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 01:49	91-20-3	
Tetrachloroethene	**9.1**	ug/L	5.0	1		10/29/11 01:49	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 01:49	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 01:49	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/29/11 01:49	79-01-6	
Vinyl chloride	**304**	ug/L	20.0	10		10/31/11 14:12	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 01:49	1330-20-7	
Dibromofluoromethane (S)	92	%	83-123	1		10/29/11 01:49	1868-53-7	
4-Bromofluorobenzene (S)	104	%	72-125	1		10/29/11 01:49	460-00-4	
Toluene-d8 (S)	96	%	81-114	1		10/29/11 01:49	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/20/11 14:59		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/20/11 14:59		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.4**	mg/L	1.0	1		11/01/11 10:54	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**84.2**	mg/L	50.0	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5053952

Sample: MMW-P-03S **Lab ID: 5053952002** Collected: 10/19/11 10:26 Received: 10/20/11 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 02:21	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 02:21	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 02:21	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 02:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 02:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 02:21	75-35-4	
cis-1,2-Dichloroethene	**33.5**	ug/L	5.0	1		10/29/11 02:21	156-59-2	
trans-1,2-Dichloroethene	**6.6**	ug/L	5.0	1		10/29/11 02:21	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 02:21	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 02:21	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 02:21	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/29/11 02:21	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 02:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 02:21	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/29/11 02:21	79-01-6	
Vinyl chloride	**446**	ug/L	20.0	10		10/31/11 14:44	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 02:21	1330-20-7	
Dibromofluoromethane (S)	92	%	83-123	1		10/29/11 02:21	1868-53-7	
4-Bromofluorobenzene (S)	104	%	72-125	1		10/29/11 02:21	460-00-4	
Toluene-d8 (S)	96	%	81-114	1		10/29/11 02:21	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/20/11 15:02		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/20/11 15:02		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**2.0**	mg/L	1.0	1		11/01/11 11:23	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**35.5**	mg/L	12.5	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5053952

Sample: Dup-1 **Lab ID: 5053952003** Collected: 10/19/11 08:00 Received: 10/20/11 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 03:57	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 03:57	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 03:57	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 03:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 03:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 03:57	75-35-4	
cis-1,2-Dichloroethene	**35.4**	ug/L	5.0	1		10/29/11 03:57	156-59-2	
trans-1,2-Dichloroethene	**6.8**	ug/L	5.0	1		10/29/11 03:57	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 03:57	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 03:57	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 03:57	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/29/11 03:57	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 03:57	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 03:57	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/29/11 03:57	79-01-6	
Vinyl chloride	**497**	ug/L	50.0	25		10/29/11 04:29	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 03:57	1330-20-7	
Dibromofluoromethane (S)	95	%	83-123	1		10/29/11 03:57	1868-53-7	
4-Bromofluorobenzene (S)	103	%	72-125	1		10/29/11 03:57	460-00-4	
Toluene-d8 (S)	96	%	81-114	1		10/29/11 03:57	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/20/11 14:58		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/20/11 14:58		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**2.1**	mg/L	1.0	1		11/01/11 11:37	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**38.8**	mg/L	12.5	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5053952

Sample: MMW-P-05 **Lab ID: 5053952004** Collected: 10/19/11 11:35 Received: 10/20/11 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 05:01	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 05:01	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 05:01	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 05:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 05:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 05:01	75-35-4	
cis-1,2-Dichloroethene	**8.3**	ug/L	5.0	1		10/29/11 05:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/29/11 05:01	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 05:01	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 05:01	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 05:01	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/29/11 05:01	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 05:01	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 05:01	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/29/11 05:01	79-01-6	
Vinyl chloride	**48.3**	ug/L	2.0	1		10/29/11 05:01	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 05:01	1330-20-7	
Dibromofluoromethane (S)	94	%	83-123	1		10/29/11 05:01	1868-53-7	
4-Bromofluorobenzene (S)	103	%	72-125	1		10/29/11 05:01	460-00-4	
Toluene-d8 (S)	96	%	81-114	1		10/29/11 05:01	2037-26-5	

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5053952

Sample: Dup-2 **Lab ID: 5053952005** Collected: 10/19/11 08:00 Received: 10/20/11 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 05:34	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 05:34	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 05:34	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 05:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 05:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 05:34	75-35-4	
cis-1,2-Dichloroethene	**8.5**	ug/L	5.0	1		10/29/11 05:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/29/11 05:34	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 05:34	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 05:34	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 05:34	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/29/11 05:34	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 05:34	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 05:34	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/29/11 05:34	79-01-6	
Vinyl chloride	**47.9**	ug/L	2.0	1		10/29/11 05:34	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 05:34	1330-20-7	
Dibromofluoromethane (S)	94	%	83-123	1		10/29/11 05:34	1868-53-7	
4-Bromofluorobenzene (S)	101	%	72-125	1		10/29/11 05:34	460-00-4	
Toluene-d8 (S)	97	%	81-114	1		10/29/11 05:34	2037-26-5	

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5053952

Sample: MMW-1S **Lab ID: 5053952006** Collected: 10/19/11 12:29 Received: 10/20/11 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 06:38	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 06:38	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 06:38	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 06:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 06:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 06:38	75-35-4	
cis-1,2-Dichloroethene	**75.3**	ug/L	5.0	1		10/29/11 06:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/29/11 06:38	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 06:38	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 06:38	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 06:38	91-20-3	
Tetrachloroethene	**136**	ug/L	5.0	1		10/29/11 06:38	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 06:38	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 06:38	71-55-6	
Trichloroethene	**66.0**	ug/L	5.0	1		10/29/11 06:38	79-01-6	
Vinyl chloride	**14.3**	ug/L	2.0	1		10/29/11 06:38	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 06:38	1330-20-7	
Dibromofluoromethane (S)	92	%	83-123	1		10/29/11 06:38	1868-53-7	
4-Bromofluorobenzene (S)	103	%	72-125	1		10/29/11 06:38	460-00-4	
Toluene-d8 (S)	97	%	81-114	1		10/29/11 06:38	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/20/11 15:03		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/20/11 15:03		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.7**	mg/L	1.0	1		11/01/11 11:51	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**56.2**	mg/L	12.5	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5053952

Sample: MMW-14D **Lab ID: 5053952007** Collected: 10/19/11 13:19 Received: 10/20/11 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 07:43	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 07:43	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 07:43	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 07:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 07:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 07:43	75-35-4	
cis-1,2-Dichloroethene	**898**	ug/L	125	25		10/29/11 08:15	156-59-2	
trans-1,2-Dichloroethene	**11.1**	ug/L	5.0	1		10/29/11 07:43	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 07:43	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 07:43	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 07:43	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/29/11 07:43	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 07:43	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 07:43	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/29/11 07:43	79-01-6	
Vinyl chloride	**92.6**	ug/L	2.0	1		10/29/11 07:43	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 07:43	1330-20-7	
Dibromofluoromethane (S)	91	%	83-123	1		10/29/11 07:43	1868-53-7	
4-Bromofluorobenzene (S)	104	%	72-125	1		10/29/11 07:43	460-00-4	
Toluene-d8 (S)	97	%	81-114	1		10/29/11 07:43	2037-26-5	

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5053952

Sample: MMW-10S **Lab ID: 5053952008** Collected: 10/19/11 13:49 Received: 10/20/11 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 08:47	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 08:47	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 08:47	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 08:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 08:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 08:47	75-35-4	
cis-1,2-Dichloroethene	**134**	ug/L	5.0	1		10/29/11 08:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/29/11 08:47	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 08:47	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 08:47	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 08:47	91-20-3	
Tetrachloroethene	**5.2**	ug/L	5.0	1		10/29/11 08:47	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 08:47	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 08:47	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/29/11 08:47	79-01-6	
Vinyl chloride	**198**	ug/L	2.0	1		10/29/11 08:47	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 08:47	1330-20-7	
Dibromofluoromethane (S)	92	%	83-123	1		10/29/11 08:47	1868-53-7	
4-Bromofluorobenzene (S)	103	%	72-125	1		10/29/11 08:47	460-00-4	
Toluene-d8 (S)	97	%	81-114	1		10/29/11 08:47	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/20/11 15:04		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/20/11 15:04		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**2.6**	mg/L	1.0	1		11/01/11 12:05	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**130**	mg/L	25.0	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5053952

Sample: Trip Blank **Lab ID: 5053952009** Collected: 10/19/11 08:00 Received: 10/20/11 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 09:52	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 09:52	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 09:52	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 09:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 09:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 09:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/29/11 09:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/29/11 09:52	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 09:52	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 09:52	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 09:52	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/29/11 09:52	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 09:52	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 09:52	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/29/11 09:52	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		10/29/11 09:52	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 09:52	1330-20-7	
Dibromofluoromethane (S)	89	%	83-123	1		10/29/11 09:52	1868-53-7	
4-Bromofluorobenzene (S)	104	%	72-125	1		10/29/11 09:52	460-00-4	
Toluene-d8 (S)	97	%	81-114	1		10/29/11 09:52	2037-26-5	

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QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5053952

QC Batch: MSV/36979 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5053952001, 5053952002, 5053952003, 5053952004, 5053952005, 5053952006, 5053952007, 5053952008, 5053952009

METHOD BLANK: 642765 Matrix: Water
Associated Lab Samples: 5053952001, 5053952002, 5053952003, 5053952004, 5053952005, 5053952006, 5053952007, 5053952008, 5053952009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	10/29/11 01:16	
1,1-Dichloroethane	ug/L	ND	5.0	10/29/11 01:16	
1,1-Dichloroethene	ug/L	ND	5.0	10/29/11 01:16	
1,2-Dichloroethane	ug/L	ND	5.0	10/29/11 01:16	
Benzene	ug/L	ND	5.0	10/29/11 01:16	
Carbon tetrachloride	ug/L	ND	5.0	10/29/11 01:16	
Chloroform	ug/L	ND	5.0	10/29/11 01:16	
cis-1,2-Dichloroethene	ug/L	ND	5.0	10/29/11 01:16	
Ethylbenzene	ug/L	ND	5.0	10/29/11 01:16	
Methylene chloride	ug/L	ND	5.0	10/29/11 01:16	
Naphthalene	ug/L	ND	5.0	10/29/11 01:16	
Tetrachloroethene	ug/L	ND	5.0	10/29/11 01:16	
Toluene	ug/L	ND	5.0	10/29/11 01:16	
trans-1,2-Dichloroethene	ug/L	ND	5.0	10/29/11 01:16	
Trichloroethene	ug/L	ND	5.0	10/29/11 01:16	
Vinyl chloride	ug/L	ND	2.0	10/29/11 01:16	
Xylene (Total)	ug/L	ND	10.0	10/29/11 01:16	
4-Bromofluorobenzene (S)	%	104	72-125	10/29/11 01:16	
Dibromofluoromethane (S)	%	93	83-123	10/29/11 01:16	
Toluene-d8 (S)	%	96	81-114	10/29/11 01:16	

LABORATORY CONTROL SAMPLE: 642766

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	44.1	88	69-126	
1,1-Dichloroethane	ug/L	50	46.1	92	70-127	
1,1-Dichloroethene	ug/L	50	48.8	98	75-145	
1,2-Dichloroethane	ug/L	50	52.1	104	71-127	
Benzene	ug/L	50	50.9	102	76-123	
Carbon tetrachloride	ug/L	50	40.4	81	65-125	
Chloroform	ug/L	50	51.3	103	73-122	
cis-1,2-Dichloroethene	ug/L	50	49.4	99	79-129	
Ethylbenzene	ug/L	50	53.5	107	75-120	
Methylene chloride	ug/L	50	47.3	95	61-138	
Naphthalene	ug/L	50	56.4	113	62-130	
Tetrachloroethene	ug/L	50	50.4	101	57-125	
Toluene	ug/L	50	49.2	98	72-124	
trans-1,2-Dichloroethene	ug/L	50	48.8	98	71-145	
Trichloroethene	ug/L	50	49.3	99	77-122	
Vinyl chloride	ug/L	50	52.5	105	61-146	

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QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5053952

LABORATORY CONTROL SAMPLE: 642766

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	156	104	72-126	
4-Bromofluorobenzene (S)	%			105	72-125	
Dibromofluoromethane (S)	%			100	83-123	
Toluene-d8 (S)	%			98	81-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 642767 642768

Parameter	Units	5053952002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	43.6	43.2	87	86	37-136	1	20	
1,1-Dichloroethane	ug/L	ND	50	50	46.0	45.2	92	90	47-138	2	20	
1,1-Dichloroethene	ug/L	ND	50	50	46.5	46.3	93	93	54-152	.4	20	
1,2-Dichloroethane	ug/L	ND	50	50	51.3	51.0	103	102	42-139	.7	20	
Benzene	ug/L	ND	50	50	51.1	50.7	102	101	52-134	.7	20	
Carbon tetrachloride	ug/L	ND	50	50	39.1	40.2	78	80	26-136	3	20	
Chloroform	ug/L	ND	50	50	51.1	50.4	102	101	50-134	1	20	
cis-1,2-Dichloroethene	ug/L	33.5	50	50	83.9	82.8	101	99	48-145	1	20	
Ethylbenzene	ug/L	ND	50	50	51.6	52.2	103	104	29-132	1	20	
Methylene chloride	ug/L	ND	50	50	46.4	45.2	93	90	47-141	3	20	
Naphthalene	ug/L	ND	50	50	46.8	46.2	94	92	40-124	1	20	
Tetrachloroethene	ug/L	ND	50	50	49.8	51.6	100	103	30-124	4	20	
Toluene	ug/L	ND	50	50	48.3	48.2	96	96	42-130	.1	20	
trans-1,2-Dichloroethene	ug/L	6.6	50	50	55.4	54.7	98	96	48-144	1	20	
Trichloroethene	ug/L	ND	50	50	48.4	48.3	97	97	44-130	.2	20	
Vinyl chloride	ug/L	446	50	50	505	493	118	94	45-159	2	20	
Xylene (Total)	ug/L	ND	150	150	150	153	100	102	29-131	2	20	
4-Bromofluorobenzene (S)	%						105	107	72-125		20	
Dibromofluoromethane (S)	%						100	102	83-123		20	
Toluene-d8 (S)	%						97	98	81-114		20	

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QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5053952

QC Batch: WETA/7022 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 5053952001, 5053952002, 5053952003, 5053952006, 5053952008

METHOD BLANK: 639077 | Matrix: Water
Associated Lab Samples: 5053952001, 5053952002, 5053952003, 5053952006, 5053952008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	10/20/11 14:56	
Nitrogen, Nitrite	mg/L	ND	0.10	10/20/11 14:56	

LABORATORY CONTROL SAMPLE: 639078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	2	2.0	102	90-110	
Nitrogen, Nitrite	mg/L	2	2.0	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 639079 639080

Parameter	Units	5053952001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	2	2	2.0	2.0	100	99	90-110	.3	20	
Nitrogen, Nitrite	mg/L	ND	2	2	2.0	2.0	98	98	90-110	.08	20	

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Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5053952

QC Batch: WETA/18104 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 5053952001, 5053952002, 5053952003, 5053952006, 5053952008

METHOD BLANK: 902080 Matrix: Water
Associated Lab Samples: 5053952001, 5053952002, 5053952003, 5053952006, 5053952008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	11/01/11 09:58	

LABORATORY CONTROL SAMPLE: 902081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	4.8	95	80-120	

MATRIX SPIKE SAMPLE: 902082

Parameter	Units	5053912004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	9.5	5	15.8	126	80-120	M0

SAMPLE DUPLICATE: 902083

Parameter	Units	5053952001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	1.4	1.4	2	25	

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QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5053952

QC Batch: WETA/7053 | Analysis Method: ASTM D516-90,02
QC Batch Method: ASTM D516-90,02 | Analysis Description: ASTM D516-9002 Sulfate Water
Associated Lab Samples: 5053952001, 5053952002, 5053952003, 5053952006, 5053952008

METHOD BLANK: 643009 | Matrix: Water
Associated Lab Samples: 5053952001, 5053952002, 5053952003, 5053952006, 5053952008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	11/01/11 10:02	N2

LABORATORY CONTROL SAMPLE: 643010

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.9	110	90-110	N2

MATRIX SPIKE SAMPLE: 643011

Parameter	Units	5053952001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	84.2	200	311	113	90-110	M0,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 643012 643013

Parameter	Units	5054083003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	164	200	200	399	382	118	109	90-110	4	20	E,M0, N2

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QUALIFIERS

Project: MI Plaza M01046
Pace Project No.: 5053952

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis
PASI-K	Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
N2	The lab does not hold TNI accreditation for this parameter.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MI Plaza M01046
Pace Project No.: 5053952

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5053952001	**MMW-P-02**	EPA 8260	MSV/36979		
5053952002	**MMW-P-03S**	EPA 8260	MSV/36979		
5053952003	**Dup-1**	EPA 8260	MSV/36979		
5053952004	**MMW-P-05**	EPA 8260	MSV/36979		
5053952005	**Dup-2**	EPA 8260	MSV/36979		
5053952006	**MMW-1S**	EPA 8260	MSV/36979		
5053952007	**MMW-14D**	EPA 8260	MSV/36979		
5053952008	**MMW-10S**	EPA 8260	MSV/36979		
5053952009	**Trip Blank**	EPA 8260	MSV/36979		
5053952001	**MMW-P-02**	EPA 353.2	WETA/7022		
5053952002	**MMW-P-03S**	EPA 353.2	WETA/7022		
5053952003	**Dup-1**	EPA 353.2	WETA/7022		
5053952006	**MMW-1S**	EPA 353.2	WETA/7022		
5053952008	**MMW-10S**	EPA 353.2	WETA/7022		
5053952001	**MMW-P-02**	SM 5310C	WETA/18104		
5053952002	**MMW-P-03S**	SM 5310C	WETA/18104		
5053952003	**Dup-1**	SM 5310C	WETA/18104		
5053952006	**MMW-1S**	SM 5310C	WETA/18104		
5053952008	**MMW-10S**	SM 5310C	WETA/18104		
5053952001	**MMW-P-02**	ASTM D516-90,02	WETA/7053		
5053952002	**MMW-P-03S**	ASTM D516-90,02	WETA/7053		
5053952003	**Dup-1**	ASTM D516-90,02	WETA/7053		
5053952006	**MMW-1S**	ASTM D516-90,02	WETA/7053		
5053952008	**MMW-10S**	ASTM D516-90,02	WETA/7053		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1469623

Section A Required Client Information:
Company: Mundell & Associates
Address: 110 S. Downey Ave Indpls, IN
Email To:
Phone: 317-638-9060 Fax:
Requested Due Date/TAT: 5AT

Section B Required Project Information:
Report To: Sarah Webb
Copy To:
Purchase Order No.:
Project Name: MI Plaza
Project Number: M01046

Section C Invoice Information:
Attention: Merle Tebbe
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): S.L. Voc's 8260	TOC	Nitrate/Nitrite	Sulfate	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MMW-P-02	WT	G			10-19-11	9:39a		5	1	1		3					X	X	X	X		001
2	MMW-P-03S						10:26a		5	1	1		3					X	X	X	X		002
3	DUP-1								5	1	1		3					X	X	X	X		003
4	MMW-P-05						11:35a		3				3					X					004
5	DUP-2								3				3					X					005
6	MMW-15						12:29p		5	1	1		3					X	X	X	X		006
7	MMW-14D						1:19p		3				3					X					007
8	MMW-10S						1:49p		5	1	1		3					X	X	X	X		008
9	Trip Blank								3				3					X					009
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	A. D	10/20/11	1030	Zehra Tekkan	10/20/11	1030	1.6°C	Y	N	

MB 10/20/11 11:35a
Pace Courier w/ice

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Andy Dammeyer
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-19-11

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Mundell & Assoc. Project # 5053952

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Date/Time 5035A kits placed in freezer _____

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other foam

Thermometer Used 1 2 3 4 (6) A B C D E Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 1.6°C Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: MB 10/20/11

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	5. Nitrate MB
Rush Turn Around Time Requested:	☐Yes ☐No ☑N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes ☐No ☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
Headspace in VOA Vials (>6mm):	☑Yes ☐No ☐N/A	10. 1 vial for MMW-14D = headspace MB
Trip Blank Present:	☑Yes ☐No ☐N/A	11.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	12.
Sufficient Volume:	☑Yes ☐No ☐N/A	13.
Correct Containers Used:	☑Yes ☐No ☐N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 10/20/11

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

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LIENT: Murdell & Assoc.

OC PAGE 1 of 1
OC ID# 1469623

Project # 053592

ample Line Item	DG9H	AG1U	WGFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H					Comments
1	3								1		1						
2	3								1		1						
3	3								1		1						
4	3																
5	3																
6	3								1		1						
7	3																
8	3								1		1						
9	3																
10																	
11																	
12																	

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

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7726 Moller Road
Indianapolis, IN 46268
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November 02, 2011

Ms. Sarah Webb
Mundell & Associates
110 South Downey Ave.
Indianapolis, IN 46219

RE: Project: MI Plaza M01046
Pace Project No.: 5053912

Dear Ms. Webb:
Enclosed are the analytical results for sample(s) received by the laboratory on October 19, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tina Sayer

Tina Sayer

tina.sayer@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: MI Plaza M01046
Pace Project No.: 5053912

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP: CL0065
West Virginia Certification #: 330

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: MI Plaza M01046
Pace Project No.: 5053912

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5053912001	**MMW-12S**	Water	10/18/11 10:26	10/19/11 11:17
5053912002	**MMW-9-09S**	Water	10/18/11 11:16	10/19/11 11:17
5053912003	**MMW-C-02**	Water	10/18/11 11:55	10/19/11 11:17
5053912004	**MMW-P-03D**	Water	10/18/11 12:56	10/19/11 11:17
5053912005	**MMW-13D**	Water	10/18/11 13:51	10/19/11 11:17
5053912006	**Trip Blank**	Water	10/18/11 08:00	10/19/11 11:17

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SAMPLE ANALYTE COUNT

Project: MI Plaza M01046
Pace Project No.: 5053912

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5053912001	**MMW-12S**	EPA 8260	SLB	20	PASI-I
5053912002	**MMW-9-09S**	EPA 8260	SLB	20	PASI-I
5053912003	**MMW-C-02**	EPA 8260	SLB	20	PASI-I
5053912004	**MMW-P-03D**	EPA 8260	SLB	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5053912005	**MMW-13D**	EPA 8260	SLB	20	PASI-I
5053912006	**Trip Blank**	EPA 8260	SLB	20	PASI-I

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5053912

Sample: MMW-12S **Lab ID: 5053912001** Collected: 10/18/11 10:26 Received: 10/19/11 11:17 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/26/11 21:35	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/26/11 21:35	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/26/11 21:35	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/26/11 21:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/26/11 21:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/26/11 21:35	75-35-4	
cis-1,2-Dichloroethene	**39.4**	ug/L	5.0	1		10/26/11 21:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/26/11 21:35	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/26/11 21:35	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/26/11 21:35	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/26/11 21:35	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/26/11 21:35	127-18-4	
Toluene	ND	ug/L	5.0	1		10/26/11 21:35	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/26/11 21:35	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/26/11 21:35	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		10/26/11 21:35	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/26/11 21:35	1330-20-7	
Dibromofluoromethane (S)	101	%	83-123	1		10/26/11 21:35	1868-53-7	
4-Bromofluorobenzene (S)	99	%	72-125	1		10/26/11 21:35	460-00-4	
Toluene-d8 (S)	99	%	81-114	1		10/26/11 21:35	2037-26-5	

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5053912

Sample: MMW-9-09S **Lab ID: 5053912002** Collected: 10/18/11 11:16 Received: 10/19/11 11:17 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/26/11 22:30	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/26/11 22:30	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/26/11 22:30	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/26/11 22:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/26/11 22:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/26/11 22:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/26/11 22:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/26/11 22:30	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/26/11 22:30	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/26/11 22:30	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/26/11 22:30	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/26/11 22:30	127-18-4	
Toluene	ND	ug/L	5.0	1		10/26/11 22:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/26/11 22:30	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/26/11 22:30	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		10/26/11 22:30	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/26/11 22:30	1330-20-7	
Dibromofluoromethane (S)	101	%	83-123	1		10/26/11 22:30	1868-53-7	
4-Bromofluorobenzene (S)	102	%	72-125	1		10/26/11 22:30	460-00-4	
Toluene-d8 (S)	100	%	81-114	1		10/26/11 22:30	2037-26-5	

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5053912

Sample: MMW-C-02 **Lab ID: 5053912003** Collected: 10/18/11 11:55 Received: 10/19/11 11:17 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/26/11 22:56	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/26/11 22:56	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/26/11 22:56	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/26/11 22:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/26/11 22:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/26/11 22:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/26/11 22:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/26/11 22:56	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/26/11 22:56	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/26/11 22:56	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/26/11 22:56	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/26/11 22:56	127-18-4	
Toluene	ND	ug/L	5.0	1		10/26/11 22:56	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/26/11 22:56	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/26/11 22:56	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		10/26/11 22:56	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/26/11 22:56	1330-20-7	
Dibromofluoromethane (S)	101	%	83-123	1		10/26/11 22:56	1868-53-7	
4-Bromofluorobenzene (S)	101	%	72-125	1		10/26/11 22:56	460-00-4	
Toluene-d8 (S)	99	%	81-114	1		10/26/11 22:56	2037-26-5	

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5053912

Sample: MMW-P-03D **Lab ID: 5053912004** Collected: 10/18/11 12:56 Received: 10/19/11 11:17 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/26/11 23:23	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/26/11 23:23	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/26/11 23:23	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/26/11 23:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/26/11 23:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/26/11 23:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/26/11 23:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/26/11 23:23	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/26/11 23:23	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/26/11 23:23	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/26/11 23:23	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/26/11 23:23	127-18-4	
Toluene	ND	ug/L	5.0	1		10/26/11 23:23	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/26/11 23:23	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/26/11 23:23	79-01-6	
Vinyl chloride	**61.5**	ug/L	2.0	1		10/26/11 23:23	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/26/11 23:23	1330-20-7	
Dibromofluoromethane (S)	102	%	83-123	1		10/26/11 23:23	1868-53-7	
4-Bromofluorobenzene (S)	104	%	72-125	1		10/26/11 23:23	460-00-4	
Toluene-d8 (S)	98	%	81-114	1		10/26/11 23:23	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/19/11 14:13		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/19/11 14:13		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**9.5**	mg/L	1.0	1		11/01/11 10:26	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**10.7**	mg/L	5.0	1		10/20/11 15:12	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5053912

Sample: MMW-13D **Lab ID: 5053912005** Collected: 10/18/11 13:51 Received: 10/19/11 11:17 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/27/11 00:17	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/27/11 00:17	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/27/11 00:17	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/27/11 00:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/27/11 00:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/27/11 00:17	75-35-4	
cis-1,2-Dichloroethene	**771**	ug/L	50.0	10		10/27/11 23:06	156-59-2	
trans-1,2-Dichloroethene	**5.2**	ug/L	5.0	1		10/27/11 00:17	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/27/11 00:17	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/27/11 00:17	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/27/11 00:17	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/27/11 00:17	127-18-4	
Toluene	ND	ug/L	5.0	1		10/27/11 00:17	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/27/11 00:17	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/27/11 00:17	79-01-6	
Vinyl chloride	**140**	ug/L	2.0	1		10/27/11 00:17	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/27/11 00:17	1330-20-7	
Dibromofluoromethane (S)	103	%	83-123	1		10/27/11 00:17	1868-53-7	
4-Bromofluorobenzene (S)	103	%	72-125	1		10/27/11 00:17	460-00-4	
Toluene-d8 (S)	98	%	81-114	1		10/27/11 00:17	2037-26-5	

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5053912

Sample: Trip Blank **Lab ID: 5053912006** Collected: 10/18/11 08:00 Received: 10/19/11 11:17 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/27/11 00:44	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/27/11 00:44	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/27/11 00:44	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/27/11 00:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/27/11 00:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/27/11 00:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/27/11 00:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/27/11 00:44	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/27/11 00:44	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/27/11 00:44	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/27/11 00:44	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/27/11 00:44	127-18-4	
Toluene	ND	ug/L	5.0	1		10/27/11 00:44	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/27/11 00:44	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/27/11 00:44	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		10/27/11 00:44	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/27/11 00:44	1330-20-7	
Dibromofluoromethane (S)	103	%	83-123	1		10/27/11 00:44	1868-53-7	
4-Bromofluorobenzene (S)	100	%	72-125	1		10/27/11 00:44	460-00-4	
Toluene-d8 (S)	100	%	81-114	1		10/27/11 00:44	2037-26-5	

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QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5053912

QC Batch: MSV/36913 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5053912001, 5053912002, 5053912003, 5053912004, 5053912005, 5053912006

METHOD BLANK: 641367 Matrix: Water
Associated Lab Samples: 5053912001, 5053912002, 5053912003, 5053912004, 5053912005, 5053912006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	10/26/11 17:59	
1,1-Dichloroethane	ug/L	ND	5.0	10/26/11 17:59	
1,1-Dichloroethene	ug/L	ND	5.0	10/26/11 17:59	
1,2-Dichloroethane	ug/L	ND	5.0	10/26/11 17:59	
Benzene	ug/L	ND	5.0	10/26/11 17:59	
Carbon tetrachloride	ug/L	ND	5.0	10/26/11 17:59	
Chloroform	ug/L	ND	5.0	10/26/11 17:59	
cis-1,2-Dichloroethene	ug/L	ND	5.0	10/26/11 17:59	
Ethylbenzene	ug/L	ND	5.0	10/26/11 17:59	
Methylene chloride	ug/L	ND	5.0	10/26/11 17:59	
Naphthalene	ug/L	ND	5.0	10/26/11 17:59	
Tetrachloroethene	ug/L	ND	5.0	10/26/11 17:59	
Toluene	ug/L	ND	5.0	10/26/11 17:59	
trans-1,2-Dichloroethene	ug/L	ND	5.0	10/26/11 17:59	
Trichloroethene	ug/L	ND	5.0	10/26/11 17:59	
Vinyl chloride	ug/L	ND	2.0	10/26/11 17:59	
Xylene (Total)	ug/L	ND	10.0	10/26/11 17:59	
4-Bromofluorobenzene (S)	%	98	72-125	10/26/11 17:59	
Dibromofluoromethane (S)	%	103	83-123	10/26/11 17:59	
Toluene-d8 (S)	%	98	81-114	10/26/11 17:59	

LABORATORY CONTROL SAMPLE: 641368

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.8	100	69-126	
1,1-Dichloroethane	ug/L	50	50.3	101	70-127	
1,1-Dichloroethene	ug/L	50	46.1	92	75-145	
1,2-Dichloroethane	ug/L	50	48.9	98	71-127	
Benzene	ug/L	50	52.5	105	76-123	
Carbon tetrachloride	ug/L	50	49.3	99	65-125	
Chloroform	ug/L	50	51.3	103	73-122	
cis-1,2-Dichloroethene	ug/L	50	54.1	108	79-129	
Ethylbenzene	ug/L	50	50.5	101	75-120	
Methylene chloride	ug/L	50	48.9	98	61-138	
Naphthalene	ug/L	50	42.3	85	62-130	
Tetrachloroethene	ug/L	50	51.5	103	57-125	
Toluene	ug/L	50	50.7	101	72-124	
trans-1,2-Dichloroethene	ug/L	50	45.6	91	71-145	
Trichloroethene	ug/L	50	50.4	101	77-122	
Vinyl chloride	ug/L	50	42.3	85	61-146	
Xylene (Total)	ug/L	150	141	94	72-126	

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QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5053912

LABORATORY CONTROL SAMPLE: 641368

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			103	72-125	
Dibromofluoromethane (S)	%			104	83-123	
Toluene-d8 (S)	%			99	81-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 641369 641370

Parameter	Units	5053888001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	49.3	48.9	99	98	37-136	.9	20	
1,1-Dichloroethane	ug/L	ND	50	50	51.1	50.0	102	100	47-138	2	20	
1,1-Dichloroethene	ug/L	ND	50	50	45.1	44.8	90	90	54-152	.6	20	
1,2-Dichloroethane	ug/L	ND	50	50	49.7	48.5	99	97	42-139	3	20	
Benzene	ug/L	ND	50	50	51.5	50.7	103	101	52-134	2	20	
Carbon tetrachloride	ug/L	ND	50	50	49.2	47.8	98	96	26-136	3	20	
Chloroform	ug/L	ND	50	50	53.3	50.9	107	102	50-134	5	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	53.1	51.8	106	104	48-145	2	20	
Ethylbenzene	ug/L	ND	50	50	44.3	38.7	89	77	29-132	13	20	
Methylene chloride	ug/L	ND	50	50	48.5	48.7	89	89	47-141	.4	20	
Naphthalene	ug/L	ND	50	50	36.2	39.0	72	78	40-124	7	20	
Tetrachloroethene	ug/L	ND	50	50	46.5	41.4	93	83	30-124	12	20	
Toluene	ug/L	ND	50	50	47.6	43.1	95	86	42-130	10	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	45.2	44.1	90	88	48-144	2	20	
Trichloroethene	ug/L	ND	50	50	48.4	44.4	97	89	44-130	9	20	
Vinyl chloride	ug/L	ND	50	50	42.8	42.1	86	84	45-159	1	20	
Xylene (Total)	ug/L	ND	150	150	124	107	83	71	29-131	15	20	
4-Bromofluorobenzene (S)	%						101	101	72-125		20	
Dibromofluoromethane (S)	%						106	105	83-123		20	
Toluene-d8 (S)	%						98	97	81-114		20	

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QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5053912

QC Batch: WETA/7015
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 5053912004

METHOD BLANK: 638462
Matrix: Water
Associated Lab Samples: 5053912004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	10/19/11 14:06	
Nitrogen, Nitrite	mg/L	ND	0.10	10/19/11 14:06	

LABORATORY CONTROL SAMPLE: 638463

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	2	2.1	104	90-110	
Nitrogen, Nitrite	mg/L	2	2.0	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 638464 638465

Parameter	Units	5053863011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	2	2	1.9	1.9	94	95	90-110	.6	20	
Nitrogen, Nitrite	mg/L	ND	2	2	1.9	1.9	94	94	90-110	.2	20	

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QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5053912

QC Batch: WETA/18104
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 5053912004

METHOD BLANK: 902080
Matrix: Water
Associated Lab Samples: 5053912004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	11/01/11 09:58	

LABORATORY CONTROL SAMPLE: 902081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	4.8	95	80-120	

MATRIX SPIKE SAMPLE: 902082

Parameter	Units	5053912004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	9.5	5	15.8	126	80-120	M0

SAMPLE DUPLICATE: 902083

Parameter	Units	5053952001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	1.4	1.4	2	25	

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QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5053912

QC Batch: WETA/7017
QC Batch Method: ASTM D516-90,02
Associated Lab Samples: 5053912004

Analysis Method: ASTM D516-90,02
Analysis Description: ASTM D516-9002 Sulfate Water

METHOD BLANK: 638474
Matrix: Water
Associated Lab Samples: 5053912004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	10/20/11 15:12	N2

LABORATORY CONTROL SAMPLE: 638475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.2	106	90-110	N2

MATRIX SPIKE SAMPLE: 638476

Parameter	Units	5053706001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	16.6	20	44.0	137	90-110	M0,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 638477 638478

Parameter	Units	5053755003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	18.5	50	50	79.0	78.2	121	120	90-110	1	20	M3,N2

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QUALIFIERS

Project: MI Plaza M01046
Pace Project No.: 5053912

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis
PASI-K	Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MI Plaza M01046
Pace Project No.: 5053912

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5053912001	**MMW-12S**	EPA 8260	MSV/36913		
5053912002	**MMW-9-09S**	EPA 8260	MSV/36913		
5053912003	**MMW-C-02**	EPA 8260	MSV/36913		
5053912004	**MMW-P-03D**	EPA 8260	MSV/36913		
5053912005	**MMW-13D**	EPA 8260	MSV/36913		
5053912006	**Trip Blank**	EPA 8260	MSV/36913		
5053912004	**MMW-P-03D**	EPA 353.2	WETA/7015		
5053912004	**MMW-P-03D**	SM 5310C	WETA/18104		
5053912004	**MMW-P-03D**	ASTM D516-90,02	WETA/7017		

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November 08, 2011

Ms. Sarah Webb
Mundell & Associates
110 South Downey Ave.
Indianapolis, IN 46219

RE: Project: MI Plaza M01046
Pace Project No.: 5054083

Dear Ms. Webb:
Enclosed are the analytical results for sample(s) received by the laboratory on October 25, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tina Sayer

Tina Sayer

tina.sayer@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: MI Plaza M01046
Pace Project No.: 5054083

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP: CL0065
West Virginia Certification #: 330

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: MI Plaza M01046
Pace Project No.: 5054083

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5054083001	**MMW-8S**	Water	10/24/11 09:40	10/25/11 10:22
5054083002	**MMW-P-08**	Water	10/24/11 10:16	10/25/11 10:22
5054083003	**MMW-9S**	Water	10/24/11 10:48	10/25/11 10:22
5054083004	**MMW-P-07**	Water	10/24/11 11:35	10/25/11 10:22
5054083005	**MMW-P-01**	Water	10/24/11 12:08	10/25/11 10:22
5054083006	**MMW-P-04**	Water	10/24/11 13:20	10/25/11 10:22
5054083007	**MMW-P-12S**	Water	10/24/11 14:53	10/25/11 10:22
5054083008	**MMW-P-12D**	Water	10/24/11 15:32	10/25/11 10:22
5054083009	**MMW-P-13S**	Water	10/24/11 16:15	10/25/11 10:22
5054083010	**MMW-P-13D**	Water	10/24/11 16:48	10/25/11 10:22
5054083011	**MMW-P-11S**	Water	10/24/11 17:30	10/25/11 10:22
5054083012	**MMW-P-06**	Water	10/24/11 12:45	10/25/11 10:22
5054083013	**MW-168D**	Water	10/24/11 14:14	10/25/11 10:22
5054083014	**EQ Blank**	Water	10/24/11 18:00	10/25/11 10:22
5054083015	**Trip Blank**	Water	10/24/11 08:00	10/25/11 10:22

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SAMPLE ANALYTE COUNT

Project: MI Plaza M01046
Pace Project No.: 5054083

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5054083001	**MMW-8S**	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5054083002	**MMW-P-08**	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5054083003	**MMW-9S**	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5054083004	**MMW-P-07**	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5054083005	**MMW-P-01**	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5054083006	**MMW-P-04**	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5054083007	**MMW-P-12S**	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5054083008	**MMW-P-12D**	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5054083009	**MMW-P-13S**	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5054083010	**MMW-P-13D**	EPA 8260	GRM	20	PASI-I

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SAMPLE ANALYTE COUNT

Project: MI Plaza M01046
Pace Project No.: 5054083

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5054083011	**MMW-P-11S**	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	LAJ	1	PASI-K
		ASTM D516-90,02	TPD	1	PASI-I
5054083012	**MMW-P-06**	EPA 8260	GRM	20	PASI-I
5054083013	**MW-168D**	EPA 8260	GRM	20	PASI-I
5054083014	**EQ Blank**	EPA 8260	GRM	20	PASI-I
5054083015	**Trip Blank**	EPA 8260	GRM	20	PASI-I

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5054083

Sample: MMW-8S **Lab ID: 5054083001** Collected: 10/24/11 09:40 Received: 10/25/11 10:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 06:26	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 06:26	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 06:26	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 06:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 06:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 06:26	75-35-4	
cis-1,2-Dichloroethene	**9.9**	ug/L	5.0	1		10/29/11 06:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/29/11 06:26	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 06:26	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 06:26	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 06:26	91-20-3	
Tetrachloroethene	**7.9**	ug/L	5.0	1		10/29/11 06:26	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 06:26	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 06:26	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/29/11 06:26	79-01-6	
Vinyl chloride	**200**	ug/L	2.0	1		10/29/11 06:26	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 06:26	1330-20-7	
Dibromofluoromethane (S)	103	%	83-123	1		10/29/11 06:26	1868-53-7	
4-Bromofluorobenzene (S)	103	%	72-125	1		10/29/11 06:26	460-00-4	
Toluene-d8 (S)	102	%	81-114	1		10/29/11 06:26	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/25/11 15:24		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/25/11 15:24		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.4**	mg/L	1.0	1		11/01/11 18:41	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**250**	mg/L	50.0	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5054083

Sample: MMW-P-08 **Lab ID: 5054083002** Collected: 10/24/11 10:16 Received: 10/25/11 10:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 07:00	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 07:00	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 07:00	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 07:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 07:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 07:00	75-35-4	
cis-1,2-Dichloroethene	**32.5**	ug/L	5.0	1		10/29/11 07:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/29/11 07:00	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 07:00	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 07:00	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 07:00	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/29/11 07:00	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 07:00	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 07:00	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/29/11 07:00	79-01-6	
Vinyl chloride	**136**	ug/L	2.0	1		10/29/11 07:00	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 07:00	1330-20-7	
Dibromofluoromethane (S)	110	%	83-123	1		10/29/11 07:00	1868-53-7	
4-Bromofluorobenzene (S)	101	%	72-125	1		10/29/11 07:00	460-00-4	
Toluene-d8 (S)	99	%	81-114	1		10/29/11 07:00	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/25/11 15:25		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/25/11 15:25		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**2.9**	mg/L	1.0	1		11/01/11 18:55	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**59.0**	mg/L	25.0	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5054083

Sample: MMW-9S **Lab ID: 5054083003** Collected: 10/24/11 10:48 Received: 10/25/11 10:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 07:33	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 07:33	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 07:33	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 07:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 07:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 07:33	75-35-4	
cis-1,2-Dichloroethene	**2330**	ug/L	50.0	10		10/29/11 08:07	156-59-2	
trans-1,2-Dichloroethene	**92.8**	ug/L	5.0	1		10/29/11 07:33	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 07:33	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 07:33	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 07:33	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/29/11 07:33	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 07:33	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 07:33	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/29/11 07:33	79-01-6	
Vinyl chloride	**694**	ug/L	20.0	10		10/29/11 08:07	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 07:33	1330-20-7	
Dibromofluoromethane (S)	111	%	83-123	1		10/29/11 07:33	1868-53-7	
4-Bromofluorobenzene (S)	106	%	72-125	1		10/29/11 07:33	460-00-4	
Toluene-d8 (S)	104	%	81-114	1		10/29/11 07:33	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/25/11 15:26		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/25/11 15:26		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**2.6**	mg/L	1.0	1		11/01/11 19:09	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**164**	mg/L	50.0	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5054083

Sample: MMW-P-07 **Lab ID: 5054083004** Collected: 10/24/11 11:35 Received: 10/25/11 10:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 08:41	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 08:41	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 08:41	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 08:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 08:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 08:41	75-35-4	
cis-1,2-Dichloroethene	**37.3**	ug/L	5.0	1		10/29/11 08:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/29/11 08:41	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 08:41	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 08:41	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 08:41	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/29/11 08:41	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 08:41	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 08:41	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/29/11 08:41	79-01-6	
Vinyl chloride	**388**	ug/L	20.0	10		10/29/11 09:14	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 08:41	1330-20-7	
Dibromofluoromethane (S)	115	%	83-123	1		10/29/11 08:41	1868-53-7	
4-Bromofluorobenzene (S)	106	%	72-125	1		10/29/11 08:41	460-00-4	
Toluene-d8 (S)	97	%	81-114	1		10/29/11 08:41	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/25/11 15:30		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/25/11 15:30		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**2.1**	mg/L	1.0	1		11/01/11 19:37	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**31.6**	mg/L	12.5	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5054083

Sample: MMW-P-01 **Lab ID: 5054083005** Collected: 10/24/11 12:08 Received: 10/25/11 10:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 09:48	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 09:48	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 09:48	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 09:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 09:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 09:48	75-35-4	
cis-1,2-Dichloroethene	**839**	ug/L	50.0	10		10/29/11 10:21	156-59-2	
trans-1,2-Dichloroethene	**9.1**	ug/L	5.0	1		10/29/11 09:48	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 09:48	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 09:48	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 09:48	91-20-3	
Tetrachloroethene	**23.4**	ug/L	5.0	1		10/29/11 09:48	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 09:48	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 09:48	71-55-6	
Trichloroethene	**10.0**	ug/L	5.0	1		10/29/11 09:48	79-01-6	
Vinyl chloride	**1410**	ug/L	20.0	10		10/29/11 10:21	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 09:48	1330-20-7	
Dibromofluoromethane (S)	104	%	83-123	1		10/29/11 09:48	1868-53-7	
4-Bromofluorobenzene (S)	98	%	72-125	1		10/29/11 09:48	460-00-4	
Toluene-d8 (S)	103	%	81-114	1		10/29/11 09:48	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/25/11 15:31		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/25/11 15:31		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**2.6**	mg/L	1.0	1		11/01/11 19:51	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**81.5**	mg/L	25.0	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5054083

Sample: MMW-P-04 **Lab ID: 5054083006** Collected: 10/24/11 13:20 Received: 10/25/11 10:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 10:55	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 10:55	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 10:55	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 10:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 10:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 10:55	75-35-4	
cis-1,2-Dichloroethene	**14.8**	ug/L	5.0	1		10/29/11 10:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/29/11 10:55	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 10:55	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 10:55	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 10:55	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/29/11 10:55	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 10:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 10:55	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/29/11 10:55	79-01-6	
Vinyl chloride	**68.7**	ug/L	2.0	1		10/29/11 10:55	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 10:55	1330-20-7	
Dibromofluoromethane (S)	109	%	83-123	1		10/29/11 10:55	1868-53-7	
4-Bromofluorobenzene (S)	105	%	72-125	1		10/29/11 10:55	460-00-4	
Toluene-d8 (S)	99	%	81-114	1		10/29/11 10:55	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/25/11 15:32		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/25/11 15:32		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**11.6**	mg/L	1.0	1		11/01/11 20:06	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**39.8**	mg/L	12.5	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5054083

Sample: MMW-P-12S **Lab ID: 5054083007** Collected: 10/24/11 14:53 Received: 10/25/11 10:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/29/11 11:29	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		10/29/11 11:29	56-23-5	
Chloroform	ND	ug/L	5.0	1		10/29/11 11:29	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/29/11 11:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/29/11 11:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/29/11 11:29	75-35-4	
cis-1,2-Dichloroethene	**642**	ug/L	50.0	10		11/03/11 04:31	156-59-2	
trans-1,2-Dichloroethene	**19.2**	ug/L	5.0	1		10/29/11 11:29	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		10/29/11 11:29	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		10/29/11 11:29	75-09-2	
Naphthalene	ND	ug/L	5.0	1		10/29/11 11:29	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		10/29/11 11:29	127-18-4	
Toluene	ND	ug/L	5.0	1		10/29/11 11:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/29/11 11:29	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		10/29/11 11:29	79-01-6	
Vinyl chloride	**60.7**	ug/L	2.0	1		10/29/11 11:29	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/29/11 11:29	1330-20-7	
Dibromofluoromethane (S)	107	%	83-123	1		10/29/11 11:29	1868-53-7	
4-Bromofluorobenzene (S)	103	%	72-125	1		10/29/11 11:29	460-00-4	
Toluene-d8 (S)	100	%	81-114	1		10/29/11 11:29	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/25/11 15:37		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/25/11 15:37		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.4**	mg/L	1.0	1		11/01/11 20:20	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**156**	mg/L	50.0	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5054083

Sample: MMW-P-12D **Lab ID: 5054083008** Collected: 10/24/11 15:32 Received: 10/25/11 10:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		11/02/11 00:09	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		11/02/11 00:09	56-23-5	
Chloroform	ND	ug/L	5.0	1		11/02/11 00:09	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/02/11 00:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/02/11 00:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/02/11 00:09	75-35-4	
cis-1,2-Dichloroethene	**644**	ug/L	50.0	10		11/03/11 05:04	156-59-2	
trans-1,2-Dichloroethene	**14.2**	ug/L	5.0	1		11/02/11 00:09	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		11/02/11 00:09	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		11/02/11 00:09	75-09-2	
Naphthalene	ND	ug/L	5.0	1		11/02/11 00:09	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		11/02/11 00:09	127-18-4	
Toluene	ND	ug/L	5.0	1		11/02/11 00:09	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/02/11 00:09	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		11/02/11 00:09	79-01-6	
Vinyl chloride	**71.3**	ug/L	2.0	1		11/02/11 00:09	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/02/11 00:09	1330-20-7	
Dibromofluoromethane (S)	98	%	83-123	1		11/02/11 00:09	1868-53-7	
4-Bromofluorobenzene (S)	96	%	72-125	1		11/02/11 00:09	460-00-4	
Toluene-d8 (S)	95	%	81-114	1		11/02/11 00:09	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/25/11 15:38		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/25/11 15:38		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.9**	mg/L	1.0	1		11/01/11 20:34	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**124**	mg/L	50.0	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5054083

Sample: MMW-P-13S **Lab ID: 5054083009** Collected: 10/24/11 16:15 Received: 10/25/11 10:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		11/02/11 00:42	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		11/02/11 00:42	56-23-5	
Chloroform	ND	ug/L	5.0	1		11/02/11 00:42	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/02/11 00:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/02/11 00:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/02/11 00:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/02/11 00:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/02/11 00:42	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		11/02/11 00:42	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		11/02/11 00:42	75-09-2	
Naphthalene	ND	ug/L	5.0	1		11/02/11 00:42	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		11/02/11 00:42	127-18-4	
Toluene	ND	ug/L	5.0	1		11/02/11 00:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/02/11 00:42	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		11/02/11 00:42	79-01-6	
Vinyl chloride	**19.8**	ug/L	2.0	1		11/02/11 00:42	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/02/11 00:42	1330-20-7	
Dibromofluoromethane (S)	99	%	83-123	1		11/02/11 00:42	1868-53-7	
4-Bromofluorobenzene (S)	101	%	72-125	1		11/02/11 00:42	460-00-4	
Toluene-d8 (S)	102	%	81-114	1		11/02/11 00:42	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**0.75**	mg/L	0.10	1		10/25/11 15:39		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/25/11 15:39		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.4**	mg/L	1.0	1		11/01/11 21:16	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**195**	mg/L	50.0	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5054083

Sample: MMW-P-13D **Lab ID: 5054083010** Collected: 10/24/11 16:48 Received: 10/25/11 10:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		11/02/11 01:16	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		11/02/11 01:16	56-23-5	
Chloroform	ND	ug/L	5.0	1		11/02/11 01:16	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/02/11 01:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/02/11 01:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/02/11 01:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/02/11 01:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/02/11 01:16	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		11/02/11 01:16	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		11/02/11 01:16	75-09-2	
Naphthalene	ND	ug/L	5.0	1		11/02/11 01:16	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		11/02/11 01:16	127-18-4	
Toluene	ND	ug/L	5.0	1		11/02/11 01:16	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/02/11 01:16	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		11/02/11 01:16	79-01-6	
Vinyl chloride	**116**	ug/L	2.0	1		11/02/11 01:16	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/02/11 01:16	1330-20-7	
Dibromofluoromethane (S)	98	%	83-123	1		11/02/11 01:16	1868-53-7	
4-Bromofluorobenzene (S)	101	%	72-125	1		11/02/11 01:16	460-00-4	
Toluene-d8 (S)	101	%	81-114	1		11/02/11 01:16	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/25/11 15:40		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/25/11 15:40		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.8**	mg/L	1.0	1		11/01/11 21:31	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**131**	mg/L	25.0	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5054083

Sample: MMW-P-11S **Lab ID: 5054083011** Collected: 10/24/11 17:30 Received: 10/25/11 10:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		11/02/11 01:49	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		11/02/11 01:49	56-23-5	
Chloroform	ND	ug/L	5.0	1		11/02/11 01:49	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/02/11 01:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/02/11 01:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/02/11 01:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/02/11 01:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/02/11 01:49	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		11/02/11 01:49	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		11/02/11 01:49	75-09-2	
Naphthalene	ND	ug/L	5.0	1		11/02/11 01:49	91-20-3	
Tetrachloroethene	**592**	ug/L	50.0	10		11/03/11 05:38	127-18-4	
Toluene	ND	ug/L	5.0	1		11/02/11 01:49	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/02/11 01:49	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		11/02/11 01:49	79-01-6	
Vinyl chloride	**2.5**	ug/L	2.0	1		11/02/11 01:49	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/02/11 01:49	1330-20-7	
Dibromofluoromethane (S)	98	%	83-123	1		11/02/11 01:49	1868-53-7	
4-Bromofluorobenzene (S)	98	%	72-125	1		11/02/11 01:49	460-00-4	
Toluene-d8 (S)	99	%	81-114	1		11/02/11 01:49	2037-26-5	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		10/25/11 15:41		
Nitrogen, Nitrite	ND	mg/L	0.10	1		10/25/11 15:41		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	**1.7**	mg/L	1.0	1		11/01/11 21:45	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	**166**	mg/L	50.0	1		11/01/11 10:02	14808-79-8	N2

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5054083

Sample: MMW-P-06 **Lab ID: 5054083012** Collected: 10/24/11 12:45 Received: 10/25/11 10:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	50.0	10		11/02/11 02:23	71-43-2	
Carbon tetrachloride	ND	ug/L	50.0	10		11/02/11 02:23	56-23-5	
Chloroform	ND	ug/L	50.0	10		11/02/11 02:23	67-66-3	
1,1-Dichloroethane	ND	ug/L	50.0	10		11/02/11 02:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		11/02/11 02:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		11/02/11 02:23	75-35-4	
cis-1,2-Dichloroethene	**10100**	ug/L	500	100		11/02/11 02:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		11/02/11 02:23	156-60-5	
Ethylbenzene	ND	ug/L	50.0	10		11/02/11 02:23	100-41-4	
Methylene chloride	ND	ug/L	50.0	10		11/02/11 02:23	75-09-2	
Naphthalene	ND	ug/L	50.0	10		11/02/11 02:23	91-20-3	
Tetrachloroethene	ND	ug/L	50.0	10		11/02/11 02:23	127-18-4	
Toluene	ND	ug/L	50.0	10		11/02/11 02:23	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		11/02/11 02:23	71-55-6	
Trichloroethene	ND	ug/L	50.0	10		11/02/11 02:23	79-01-6	
Vinyl chloride	**11300**	ug/L	200	100		11/02/11 02:56	75-01-4	
Xylene (Total)	ND	ug/L	100	10		11/02/11 02:23	1330-20-7	
Dibromofluoromethane (S)	97	%	83-123	10		11/02/11 02:23	1868-53-7	D4
4-Bromofluorobenzene (S)	95	%	72-125	10		11/02/11 02:23	460-00-4	
Toluene-d8 (S)	96	%	81-114	10		11/02/11 02:23	2037-26-5	

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5054083

Sample: MW-168D **Lab ID: 5054083013** Collected: 10/24/11 14:14 Received: 10/25/11 10:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		11/02/11 03:30	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		11/02/11 03:30	56-23-5	
Chloroform	ND	ug/L	5.0	1		11/02/11 03:30	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/02/11 03:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/02/11 03:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/02/11 03:30	75-35-4	
cis-1,2-Dichloroethene	**8.9**	ug/L	5.0	1		11/02/11 03:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/02/11 03:30	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		11/02/11 03:30	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		11/02/11 03:30	75-09-2	
Naphthalene	ND	ug/L	5.0	1		11/02/11 03:30	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		11/02/11 03:30	127-18-4	
Toluene	ND	ug/L	5.0	1		11/02/11 03:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/02/11 03:30	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		11/02/11 03:30	79-01-6	
Vinyl chloride	**137**	ug/L	2.0	1		11/02/11 03:30	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/02/11 03:30	1330-20-7	
Dibromofluoromethane (S)	98	%	83-123	1		11/02/11 03:30	1868-53-7	
4-Bromofluorobenzene (S)	97	%	72-125	1		11/02/11 03:30	460-00-4	
Toluene-d8 (S)	98	%	81-114	1		11/02/11 03:30	2037-26-5	

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5054083

Sample: EQ Blank **Lab ID: 5054083014** Collected: 10/24/11 18:00 Received: 10/25/11 10:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		11/02/11 04:03	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		11/02/11 04:03	56-23-5	
Chloroform	ND	ug/L	5.0	1		11/02/11 04:03	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/02/11 04:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/02/11 04:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/02/11 04:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/02/11 04:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/02/11 04:03	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		11/02/11 04:03	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		11/02/11 04:03	75-09-2	
Naphthalene	ND	ug/L	5.0	1		11/02/11 04:03	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		11/02/11 04:03	127-18-4	
Toluene	ND	ug/L	5.0	1		11/02/11 04:03	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/02/11 04:03	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		11/02/11 04:03	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		11/02/11 04:03	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/02/11 04:03	1330-20-7	
Dibromofluoromethane (S)	98	%	83-123	1		11/02/11 04:03	1868-53-7	
4-Bromofluorobenzene (S)	100	%	72-125	1		11/02/11 04:03	460-00-4	
Toluene-d8 (S)	100	%	81-114	1		11/02/11 04:03	2037-26-5	

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ANALYTICAL RESULTS

Project: MI Plaza M01046
Pace Project No.: 5054083

Sample: Trip Blank **Lab ID: 5054083015** Collected: 10/24/11 08:00 Received: 10/25/11 10:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		11/02/11 04:37	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		11/02/11 04:37	56-23-5	
Chloroform	ND	ug/L	5.0	1		11/02/11 04:37	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/02/11 04:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/02/11 04:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/02/11 04:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/02/11 04:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/02/11 04:37	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		11/02/11 04:37	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		11/02/11 04:37	75-09-2	
Naphthalene	ND	ug/L	5.0	1		11/02/11 04:37	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		11/02/11 04:37	127-18-4	
Toluene	ND	ug/L	5.0	1		11/02/11 04:37	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/02/11 04:37	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		11/02/11 04:37	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		11/02/11 04:37	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		11/02/11 04:37	1330-20-7	
Dibromofluoromethane (S)	99	%	83-123	1		11/02/11 04:37	1868-53-7	
4-Bromofluorobenzene (S)	102	%	72-125	1		11/02/11 04:37	460-00-4	
Toluene-d8 (S)	101	%	81-114	1		11/02/11 04:37	2037-26-5	

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QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5054083

QC Batch: MSV/36999 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5054083001, 5054083002, 5054083003, 5054083004, 5054083005, 5054083006, 5054083007

METHOD BLANK: 642918 Matrix: Water
Associated Lab Samples: 5054083001, 5054083002, 5054083003, 5054083004, 5054083005, 5054083006, 5054083007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	10/29/11 02:31	
1,1-Dichloroethane	ug/L	ND	5.0	10/29/11 02:31	
1,1-Dichloroethene	ug/L	ND	5.0	10/29/11 02:31	
1,2-Dichloroethane	ug/L	ND	5.0	10/29/11 02:31	
Benzene	ug/L	ND	5.0	10/29/11 02:31	
Carbon tetrachloride	ug/L	ND	5.0	10/29/11 02:31	
Chloroform	ug/L	ND	5.0	10/29/11 02:31	
cis-1,2-Dichloroethene	ug/L	ND	5.0	10/29/11 02:31	
Ethylbenzene	ug/L	ND	5.0	10/29/11 02:31	
Methylene chloride	ug/L	ND	5.0	10/29/11 02:31	
Naphthalene	ug/L	5.8	5.0	10/29/11 02:31	B-
Tetrachloroethene	ug/L	ND	5.0	10/29/11 02:31	
Toluene	ug/L	ND	5.0	10/29/11 02:31	
trans-1,2-Dichloroethene	ug/L	ND	5.0	10/29/11 02:31	
Trichloroethene	ug/L	ND	5.0	10/29/11 02:31	
Vinyl chloride	ug/L	ND	2.0	10/29/11 02:31	
Xylene (Total)	ug/L	ND	10.0	10/29/11 02:31	
4-Bromofluorobenzene (S)	%	107	72-125	10/29/11 02:31	
Dibromofluoromethane (S)	%	114	83-123	10/29/11 02:31	
Toluene-d8 (S)	%	101	81-114	10/29/11 02:31	

LABORATORY CONTROL SAMPLE: 642919

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	60.6	121	69-126	
1,1-Dichloroethane	ug/L	50	57.1	114	70-127	
1,1-Dichloroethene	ug/L	50	57.5	115	75-145	
1,2-Dichloroethane	ug/L	50	55.1	110	71-127	
Benzene	ug/L	50	55.8	112	76-123	
Carbon tetrachloride	ug/L	50	60.7	121	65-125	
Chloroform	ug/L	50	52.1	104	73-122	
cis-1,2-Dichloroethene	ug/L	50	58.5	117	79-129	
Ethylbenzene	ug/L	50	59.9	120	75-120	
Methylene chloride	ug/L	50	56.3	113	61-138	
Naphthalene	ug/L	50	54.3	109	62-130	
Tetrachloroethene	ug/L	50	57.9	116	57-125	
Toluene	ug/L	50	58.2	116	72-124	
trans-1,2-Dichloroethene	ug/L	50	60.7	121	71-145	
Trichloroethene	ug/L	50	59.8	120	77-122	
Vinyl chloride	ug/L	50	50.4	101	61-146	
Xylene (Total)	ug/L	150	169	113	72-126	

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QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5054083

LABORATORY CONTROL SAMPLE: 642919

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			101	72-125	
Dibromofluoromethane (S)	%			93	83-123	
Toluene-d8 (S)	%			103	81-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 642920 642921

Parameter	Units	5054083003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	45.5	39.8	91	80	37-136	13	20	
1,1-Dichloroethane	ug/L	ND	50	50	44.2	40.1	88	80	47-138	10	20	
1,1-Dichloroethene	ug/L	ND	50	50	48.4	42.7	97	85	54-152	13	20	
1,2-Dichloroethane	ug/L	ND	50	50	38.6	36.5	77	73	42-139	6	20	
Benzene	ug/L	ND	50	50	41.6	40.5	83	81	52-134	3	20	
Carbon tetrachloride	ug/L	ND	50	50	44.1	39.7	88	79	26-136	10	20	
Chloroform	ug/L	ND	50	50	40.0	36.5	80	73	50-134	9	20	
cis-1,2-Dichloroethene	ug/L	2330	50	50	2040	1990	-584	-694	48-145	3	20	M0
Ethylbenzene	ug/L	ND	50	50	44.9	41.6	90	83	29-132	8	20	
Methylene chloride	ug/L	ND	50	50	44.1	38.3	88	77	47-141	14	20	
Naphthalene	ug/L	ND	50	50	36.7	34.7	73	69	40-124	6	20	
Tetrachloroethene	ug/L	ND	50	50	49.8	45.4	97	88	30-124	9	20	
Toluene	ug/L	ND	50	50	46.2	42.0	92	84	42-130	9	20	
trans-1,2-Dichloroethene	ug/L	92.8	50	50	130	115	74	45	48-144	12	20	M0
Trichloroethene	ug/L	ND	50	50	48.0	42.4	95	83	44-130	12	20	
Vinyl chloride	ug/L	694	50	50	780	776	173	166	45-159	.5	20	M0
Xylene (Total)	ug/L	ND	150	150	126	118	84	79	29-131	6	20	
4-Bromofluorobenzene (S)	%						102	100	72-125		20	
Dibromofluoromethane (S)	%						93	90	83-123		20	
Toluene-d8 (S)	%						104	105	81-114		20	

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QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5054083

QC Batch: MSV/37053 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5054083008, 5054083009, 5054083010, 5054083011, 5054083012, 5054083013, 5054083014, 5054083015

METHOD BLANK: 643535 Matrix: Water
Associated Lab Samples: 5054083008, 5054083009, 5054083010, 5054083011, 5054083012, 5054083013, 5054083014, 5054083015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	11/01/11 23:35	
1,1-Dichloroethane	ug/L	ND	5.0	11/01/11 23:35	
1,1-Dichloroethene	ug/L	ND	5.0	11/01/11 23:35	
1,2-Dichloroethane	ug/L	ND	5.0	11/01/11 23:35	
Benzene	ug/L	ND	5.0	11/01/11 23:35	
Carbon tetrachloride	ug/L	ND	5.0	11/01/11 23:35	
Chloroform	ug/L	ND	5.0	11/01/11 23:35	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/01/11 23:35	
Ethylbenzene	ug/L	ND	5.0	11/01/11 23:35	
Methylene chloride	ug/L	ND	5.0	11/01/11 23:35	
Naphthalene	ug/L	ND	5.0	11/01/11 23:35	
Tetrachloroethene	ug/L	ND	5.0	11/01/11 23:35	
Toluene	ug/L	ND	5.0	11/01/11 23:35	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/01/11 23:35	
Trichloroethene	ug/L	ND	5.0	11/01/11 23:35	
Vinyl chloride	ug/L	ND	2.0	11/01/11 23:35	
Xylene (Total)	ug/L	ND	10.0	11/01/11 23:35	
4-Bromofluorobenzene (S)	%	100	72-125	11/01/11 23:35	
Dibromofluoromethane (S)	%	98	83-123	11/01/11 23:35	
Toluene-d8 (S)	%	98	81-114	11/01/11 23:35	

LABORATORY CONTROL SAMPLE: 643536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.2	100	69-126	
1,1-Dichloroethane	ug/L	50	47.4	95	70-127	
1,1-Dichloroethene	ug/L	50	45.8	92	75-145	
1,2-Dichloroethane	ug/L	50	49.9	100	71-127	
Benzene	ug/L	50	50.1	100	76-123	
Carbon tetrachloride	ug/L	50	54.0	108	65-125	
Chloroform	ug/L	50	50.2	100	73-122	
cis-1,2-Dichloroethene	ug/L	50	50.4	101	79-129	
Ethylbenzene	ug/L	50	50.9	102	75-120	
Methylene chloride	ug/L	50	50.8	102	61-138	
Naphthalene	ug/L	50	49.0	98	62-130	
Tetrachloroethene	ug/L	50	52.3	105	57-125	
Toluene	ug/L	50	50.3	101	72-124	
trans-1,2-Dichloroethene	ug/L	50	50.1	100	71-145	
Trichloroethene	ug/L	50	50.8	102	77-122	
Vinyl chloride	ug/L	50	45.3	91	61-146	
Xylene (Total)	ug/L	150	156	104	72-126	

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QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5054083

LABORATORY CONTROL SAMPLE: 643536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			98	72-125	
Dibromofluoromethane (S)	%			98	83-123	
Toluene-d8 (S)	%			100	81-114	

MATRIX SPIKE SAMPLE: 643537

Parameter	Units	5054083013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	36.0	72	37-136	
1,1-Dichloroethane	ug/L	ND	50	29.1	58	47-138	
1,1-Dichloroethene	ug/L	ND	50	43.4	87	54-152	
1,2-Dichloroethane	ug/L	ND	50	37.4	75	42-139	
Benzene	ug/L	ND	50	38.7	77	52-134	
Carbon tetrachloride	ug/L	ND	50	38.7	77	26-136	
Chloroform	ug/L	ND	50	37.3	75	50-134	
cis-1,2-Dichloroethene	ug/L	8.9	50	47.8	78	48-145	
Ethylbenzene	ug/L	ND	50	38.0	76	29-132	
Methylene chloride	ug/L	ND	50	43.3	87	47-141	
Naphthalene	ug/L	ND	50	32.9	66	40-124	
Tetrachloroethene	ug/L	ND	50	41.3	83	30-124	
Toluene	ug/L	ND	50	38.2	76	42-130	
trans-1,2-Dichloroethene	ug/L	ND	50	32.5	65	48-144	
Trichloroethene	ug/L	ND	50	37.9	76	44-130	
Vinyl chloride	ug/L	137	50	170	65	45-159	
Xylene (Total)	ug/L	ND	150	115	77	29-131	
4-Bromofluorobenzene (S)	%				103	72-125	
Dibromofluoromethane (S)	%				99	83-123	
Toluene-d8 (S)	%				97	81-114	

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QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5054083

QC Batch: WETA/7034 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 5054083001, 5054083002, 5054083003, 5054083004, 5054083005, 5054083006, 5054083007, 5054083008, 5054083009, 5054083010, 5054083011

METHOD BLANK: 640788 | Matrix: Water
Associated Lab Samples: 5054083001, 5054083002, 5054083003, 5054083004, 5054083005, 5054083006, 5054083007, 5054083008, 5054083009, 5054083010, 5054083011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	10/25/11 15:22	
Nitrogen, Nitrite	mg/L	ND	0.10	10/25/11 15:22	

LABORATORY CONTROL SAMPLE: 640789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	2	2.1	104	90-110	
Nitrogen, Nitrite	mg/L	2	2.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 640790 640791

Parameter	Units	5054083003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	2	2	1.8	1.8	89	89	90-110	.09	20	M3
Nitrogen, Nitrite	mg/L	ND	2	2	1.9	1.9	94	94	90-110	.1	20	

MATRIX SPIKE SAMPLE: 640792

Parameter	Units	5054083011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	2	2.0	99	90-110	
Nitrogen, Nitrite	mg/L	ND	2	2.0	98	90-110	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5054083

QC Batch: WETA/18105 | Analysis Method: SM 5310C
QC Batch Method: SM 5310C | Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 5054083001, 5054083002, 5054083003, 5054083004, 5054083005, 5054083006, 5054083007, 5054083008, 5054083009, 5054083010, 5054083011

METHOD BLANK: 902085 | Matrix: Water
Associated Lab Samples: 5054083001, 5054083002, 5054083003, 5054083004, 5054083005, 5054083006, 5054083007, 5054083008, 5054083009, 5054083010, 5054083011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	11/01/11 16:33	

LABORATORY CONTROL SAMPLE: 902086

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.0	99	80-120	

MATRIX SPIKE SAMPLE: 902088

Parameter	Units	5054083003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.6	5	7.6	101	80-120	

SAMPLE DUPLICATE: 902087

Parameter	Units	10173444001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	1.9	2.1	9	25	

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QUALITY CONTROL DATA

Project: MI Plaza M01046
Pace Project No.: 5054083

QC Batch: WETA/7053 | Analysis Method: ASTM D516-90,02
QC Batch Method: ASTM D516-90,02 | Analysis Description: ASTM D516-9002 Sulfate Water
Associated Lab Samples: 5054083001, 5054083002, 5054083003, 5054083004, 5054083005, 5054083006, 5054083007, 5054083008, 5054083009, 5054083010, 5054083011

METHOD BLANK: 643009 | Matrix: Water
Associated Lab Samples: 5054083001, 5054083002, 5054083003, 5054083004, 5054083005, 5054083006, 5054083007, 5054083008, 5054083009, 5054083010, 5054083011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	11/01/11 10:02	N2

LABORATORY CONTROL SAMPLE: 643010

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.9	110	90-110	N2

MATRIX SPIKE SAMPLE: 643011

Parameter	Units	5053952001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	84.2	200	311	113	90-110	M0,N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 643012 643013

Parameter	Units	5054083003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	164	200	200	399	382	118	109	90-110	4	20	E,M0, N2

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(317)875-5894

QUALIFIERS

Project: MI Plaza M01046
Pace Project No.: 5054083

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis
PASI-K	Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

B-	Analyte detected in method blank but was not detected in the associated samples.
D4	Sample was diluted due to the presence of high levels of target analytes.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MI Plaza M01046
Pace Project No.: 5054083

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5054083001	**MMW-8S**	EPA 8260	MSV/36999		
5054083002	**MMW-P-08**	EPA 8260	MSV/36999		
5054083003	**MMW-9S**	EPA 8260	MSV/36999		
5054083004	**MMW-P-07**	EPA 8260	MSV/36999		
5054083005	**MMW-P-01**	EPA 8260	MSV/36999		
5054083006	**MMW-P-04**	EPA 8260	MSV/36999		
5054083007	**MMW-P-12S**	EPA 8260	MSV/36999		
5054083008	**MMW-P-12D**	EPA 8260	MSV/37053		
5054083009	**MMW-P-13S**	EPA 8260	MSV/37053		
5054083010	**MMW-P-13D**	EPA 8260	MSV/37053		
5054083011	**MMW-P-11S**	EPA 8260	MSV/37053		
5054083012	**MMW-P-06**	EPA 8260	MSV/37053		
5054083013	**MW-168D**	EPA 8260	MSV/37053		
5054083014	**EQ Blank**	EPA 8260	MSV/37053		
5054083015	**Trip Blank**	EPA 8260	MSV/37053		
5054083001	**MMW-8S**	EPA 353.2	WETA/7034		
5054083002	**MMW-P-08**	EPA 353.2	WETA/7034		
5054083003	**MMW-9S**	EPA 353.2	WETA/7034		
5054083004	**MMW-P-07**	EPA 353.2	WETA/7034		
5054083005	**MMW-P-01**	EPA 353.2	WETA/7034		
5054083006	**MMW-P-04**	EPA 353.2	WETA/7034		
5054083007	**MMW-P-12S**	EPA 353.2	WETA/7034		
5054083008	**MMW-P-12D**	EPA 353.2	WETA/7034		
5054083009	**MMW-P-13S**	EPA 353.2	WETA/7034		
5054083010	**MMW-P-13D**	EPA 353.2	WETA/7034		
5054083011	**MMW-P-11S**	EPA 353.2	WETA/7034		
5054083001	**MMW-8S**	SM 5310C	WETA/18105		
5054083002	**MMW-P-08**	SM 5310C	WETA/18105		
5054083003	**MMW-9S**	SM 5310C	WETA/18105		
5054083004	**MMW-P-07**	SM 5310C	WETA/18105		
5054083005	**MMW-P-01**	SM 5310C	WETA/18105		
5054083006	**MMW-P-04**	SM 5310C	WETA/18105		
5054083007	**MMW-P-12S**	SM 5310C	WETA/18105		
5054083008	**MMW-P-12D**	SM 5310C	WETA/18105		
5054083009	**MMW-P-13S**	SM 5310C	WETA/18105		
5054083010	**MMW-P-13D**	SM 5310C	WETA/18105		
5054083011	**MMW-P-11S**	SM 5310C	WETA/18105		
5054083001	**MMW-8S**	ASTM D516-90,02	WETA/7053		
5054083002	**MMW-P-08**	ASTM D516-90,02	WETA/7053		
5054083003	**MMW-9S**	ASTM D516-90,02	WETA/7053		
5054083004	**MMW-P-07**	ASTM D516-90,02	WETA/7053		
5054083005	**MMW-P-01**	ASTM D516-90,02	WETA/7053		
5054083006	**MMW-P-04**	ASTM D516-90,02	WETA/7053		
5054083007	**MMW-P-12S**	ASTM D516-90,02	WETA/7053		
5054083008	**MMW-P-12D**	ASTM D516-90,02	WETA/7053		
5054083009	**MMW-P-13S**	ASTM D516-90,02	WETA/7053		
5054083010	**MMW-P-13D**	ASTM D516-90,02	WETA/7053		

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MI Plaza M01046
Pace Project No.: 5054083

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5054083011	**MMW-P-11S**	ASTM D516-90,02	WETA/7053		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

1495222

Section A Required Client Information:

Company: Mundell & Associates
Address: 1105 Downey Ave Indpls, IN
Email To:
Phone: 317-630-9000 Fax:
Requested Due Date/TAT: SAT

Section B Required Project Information:

Report To: Sarah Webb
Copy To:
Purchase Order No.:
Project Name: MI Plaza
Project Number: M01046

Section C Invoice Information:

Attention: Merle Lebbe
Company Name: Mundell
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N): Y/N

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: Sl. rt 131 1/ox 8260	TOC 415.1	Nitrate/nitrite 353.2	Sulfate 375.4	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MMW-8S	WT	G			10/24/11	9:40A		5	1	1		3					X	X	X	X		001
2	MMW-P-08						10:16A		5	1	1		3					X	X	X	X		002
3	MMW-9S						10:48A		5	1	1		3					X	X	X	X		003
4	MS						10:48A		5	1	1		3					X	X	X	X		↓
5	MSD						10:48A		5	1	1		3					X	X	X	X		↓
6	MMW-P-07						11:35A		5	1	1		3					X	X	X	X		004
7	MMW-P-01						12:08P		5	1	1		3					X	X	X	X		005
8	MMW-P-06						12:45P		3				3					X					012
9	MMW-P-04						1:20P		5	1	1		3					X	X	X	X		006
10	MW-168D						2:14P		3				3					X					013
11	MMW-P-12S						2:53		5	1	1		3					X	X	X	X		007
12	MMW-P-12D						3:32		5	1	1		3					X	X	X	X		008

5054083

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
*Shorthold on Nitrates	[signature]	10-24-11	10:18A	James Jones	10/25	10:22	LL

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Andy Dammeyer
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 10-24-11

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1461849

Section A Required Client Information:

Company: Mundell & Associates
Address: 110 S. Downey Ave Indpls, IN
Email To:
Phone: 317-630-9060 Fax:
Requested Due Date/TAT: SAT

Section B Required Project Information:

Report To: Sarah Webb
Copy To:
Purchase Order No.:
Project Name: MI Plaza
Project Number: M01046

Section C Invoice Information:

Attention: Merle Tebbe
Company Name: Mundell
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): S.L. Vocs 8260	TOC 415.1	Nitrate/nitrite 353.2	Sulfate 375.4	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 5054083
1	MMW-P-13S	wt	G			10-24-11	4:15p		5	1	1		3					X	X	X	X		-009
2	MMW-P-13D						4:45p		5	1	1		3					X	X	X	X		-010
3	MMW-P-11S						5:30p		5	1	1		3					X	X	X	X		-011
4	EQ Blank						6:00p		3				3					X					-014
5	Trip Blank								3				3					X					-015
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
*see pg 1	[signature]	10-25-11	10:18A	James Jones	10/25	1018	1.4			

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andy DAMMeyer

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 10-24-11

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical™ Client Name: Mandell Project # 5054083

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Date/Time 5035A kits placed in freezer _____

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____

Thermometer Used 1 2 3 4 6 A B C D E **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 1.4 **Ice Visible in Sample Containers:** ☐ yes ☑ no
(Corrected, if applicable)

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10/25/11 JJ

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☑Yes	☐No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	6.
Containers Intact:	☑Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	10.
Trip Blank Present:	☑Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	12.
Sufficient Volume:	☑Yes	☐No	☐N/A	13.
Correct Containers Used:	☑Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: T Sayer **Date:** 10/25/11

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: Mundell

COC PAGE 1 of 2

COC ID#

Project # 5054083

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Sample Line Item	DG9H	AG1U	WGFU	R 4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H				Comments
1	3								/		/					
2	3								/		/					
3	3								/		/					
4	3								/		/					
5	3								/		/					
6	3								/		/					
7	3								/		/					
8	3								/		/					
9	3								/		/					
10	3															
11	3								/		/					
12	3								/		/					

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: Mondell

COC PAGE 2 of 2

COC ID#

Project # 5054083

Pace Analytical
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Sample Line Item	DG9H	AG1U	WGFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H				Comments
1	3								/		/					
2	3								/		/					
3	3								/		/					
4	3															
5	3															
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Microseeps, Inc
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November 11, 2011

Sarah Webb
Mundell & Associates, Inc.
110 South Downey Ave.
Indianapolis, IN 46219

RE: **Michigan Plaza / M01046**
Microseeps Workorder: 3109

Dear Sarah Webb:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, October 27, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Heather Hauser JS 11/16/11

Heather Hauser 11/11/2011
hhauser@microseeps.com

Enclosures

Total Number of Pages 15

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LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
Accreditation ID:	02-00538
Scope:	NELAP Non-Potable Water and Solid & Hazardous Waste
Accreditor:	NELAP: State of Florida, Department of Health, Bureau of Laboratories
Accreditation ID:	E87832
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
Accreditation ID:	89009003
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: State of Louisiana, Department of Environmental Quality
Accreditation ID:	04104
Scope:	Solid and Chemical Materials; Non-Potable Water
Accreditor:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water; Solid and Chemical Materials
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water; Solid and Hazardous Waste
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health
Accreditation ID:	PH-0263
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: Texas, Commission on Environmental Quality
Accreditation ID:	T104704453-09-TX
Scope:	Non-Potable Water
Accreditor:	State of New Hampshire
Accreditation ID:	299409
Scope:	Non-potable water
Accreditor:	State of Georgia
Accreditation ID:	Chapter 391-3-26
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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SAMPLE SUMMARY

Workorder: 3109 Michigan Plaza / M01046

Lab ID	Sample ID	Matrix	Date Collected	Date Received
31090001	B-1	Vapor	10/25/2011 11:23	10/27/2011 15:00
31090002	B-2	Vapor	10/25/2011 11:05	10/27/2011 15:00
31090003	B-3	Vapor	10/25/2011 10:50	10/27/2011 15:00
31090004	B-4	Vapor	10/25/2011 11:15	10/27/2011 15:00
31090005	B-5	Vapor	10/25/2011 11:35	10/27/2011 15:00
31090006	B-6	Vapor	10/25/2011 11:40	10/27/2011 15:00
31090007	B-7	Vapor	10/25/2011 11:50	10/27/2011 15:00

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ANALYTICAL RESULTS

Workorder: 3109 Michigan Plaza / M01046

Lab ID: **31090001** Date Received: 10/27/2011 15:00 Matrix: Vapor

Sample ID: **B-1** Date Collected: 10/25/2011 11:23

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM4.02 Vapors			Analytical Method: AM4.02 Vapors								
Vinyl Chloride	1.0	Uppmv	1.0	0.095	1			11/4/2011 01:41	SL		
1,1-Dichloroethene	0.010	Uppmv	0.010	0.0010	1			11/4/2011 01:41	SL		
Methylene Chloride	2.0	Uppmv	2.0	0.19	1			11/4/2011 01:41	SL		
trans-1,2-Dichloroethene	0.010	Uppmv	0.010	0.0080	1			11/4/2011 01:41	SL		
1,1-Dichloroethane	0.020	Uppmv	0.020	0.0040	1			11/4/2011 01:41	SL		
cis-1,2-Dichloroethene	0.020	Uppmv	0.020	0.0070	1			11/4/2011 01:41	SL		
Chloroform	0.0031	Jppmv	0.0050	0.0010	1			11/4/2011 01:41	SL		
1,1,1-Trichloroethane	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 01:41	SL		
Carbon Tetrachloride	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 01:41	SL		
Trichloroethene	0.0012	Jppmv	0.010	0.0010	1			11/4/2011 01:41	SL		
Tetrachloroethene	0.11	ppmv	0.010	0.0010	1			11/4/2011 01:41	SL		

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nelac

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ANALYTICAL RESULTS

Workorder: 3109 Michigan Plaza / M01046

Lab ID: **31090002** Date Received: 10/27/2011 15:00 Matrix: Vapor

Sample ID: **B-2** Date Collected: 10/25/2011 11:05

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM4.02 Vapors			Analytical Method: AM4.02 Vapors								
Vinyl Chloride	1.0	Uppmv	1.0	0.095	1			11/4/2011 02:49	SL		
1,1-Dichloroethene	0.010	Uppmv	0.010	0.0010	1			11/4/2011 02:49	SL		
Methylene Chloride	2.0	Uppmv	2.0	0.19	1			11/4/2011 02:49	SL		
trans-1,2-Dichloroethene	0.010	Uppmv	0.010	0.0080	1			11/4/2011 02:49	SL		
1,1-Dichloroethane	0.020	Uppmv	0.020	0.0040	1			11/4/2011 02:49	SL		
cis-1,2-Dichloroethene	0.020	Uppmv	0.020	0.0070	1			11/4/2011 02:49	SL		
Chloroform	0.0014	Jppmv	0.0050	0.0010	1			11/4/2011 02:49	SL		
1,1,1-Trichloroethane	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 02:49	SL		
Carbon Tetrachloride	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 02:49	SL		
Trichloroethene	0.0013	Jppmv	0.010	0.0010	1			11/4/2011 02:49	SL		
Tetrachloroethene	0.12	ppmv	0.010	0.0010	1			11/4/2011 02:49	SL		

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ANALYTICAL RESULTS

Workorder: 3109 Michigan Plaza / M01046

Lab ID: **31090003** Date Received: 10/27/2011 15:00 Matrix: Vapor

Sample ID: **B-3** Date Collected: 10/25/2011 10:50

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM4.02 Vapors			Analytical Method: AM4.02 Vapors								
Vinyl Chloride	1.0	Uppmv	1.0	0.095	1			11/4/2011 03:57	SL		
1,1-Dichloroethene	0.010	Uppmv	0.010	0.0010	1			11/4/2011 03:57	SL		
Methylene Chloride	2.0	Uppmv	2.0	0.19	1			11/4/2011 03:57	SL		
trans-1,2-Dichloroethene	0.010	Uppmv	0.010	0.0080	1			11/4/2011 03:57	SL		
1,1-Dichloroethane	0.020	Uppmv	0.020	0.0040	1			11/4/2011 03:57	SL		
cis-1,2-Dichloroethene	0.020	Uppmv	0.020	0.0070	1			11/4/2011 03:57	SL		
Chloroform	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 03:57	SL		
1,1,1-Trichloroethane	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 03:57	SL		
Carbon Tetrachloride	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 03:57	SL		
Trichloroethene	0.010	Uppmv	0.010	0.0010	1			11/4/2011 03:57	SL		
Tetrachloroethene	0.053	ppmv	0.010	0.0010	1			11/4/2011 03:57	SL		

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ANALYTICAL RESULTS

Workorder: 3109 Michigan Plaza / M01046

Lab ID: **31090004** Date Received: 10/27/2011 15:00 Matrix: Vapor

Sample ID: **B-4** Date Collected: 10/25/2011 11:15

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM4.02 Vapors			Analytical Method: AM4.02 Vapors								
Vinyl Chloride	1.0	Uppmv	1.0	0.095	1			11/4/2011 05:04	SL		
1,1-Dichloroethene	0.010	Uppmv	0.010	0.0010	1			11/4/2011 05:04	SL		
Methylene Chloride	2.0	Uppmv	2.0	0.19	1			11/4/2011 05:04	SL		
trans-1,2-Dichloroethene	0.010	Uppmv	0.010	0.0080	1			11/4/2011 05:04	SL		
1,1-Dichloroethane	0.020	Uppmv	0.020	0.0040	1			11/4/2011 05:04	SL		
cis-1,2-Dichloroethene	0.020	Uppmv	0.020	0.0070	1			11/4/2011 05:04	SL		
Chloroform	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 05:04	SL		
1,1,1-Trichloroethane	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 05:04	SL		
Carbon Tetrachloride	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 05:04	SL		
Trichloroethene	0.010	Uppmv	0.010	0.0010	1			11/4/2011 05:04	SL		
Tetrachloroethene	0.0091	Jppmv	0.010	0.0010	1			11/4/2011 05:04	SL		

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ANALYTICAL RESULTS

Workorder: 3109 Michigan Plaza / M01046

Lab ID: **31090005** Date Received: 10/27/2011 15:00 Matrix: Vapor

Sample ID: **B-5** Date Collected: 10/25/2011 11:35

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM4.02 Vapors			Analytical Method: AM4.02 Vapors								
Vinyl Chloride	0.16J	ppmv	1.0	0.095	1			11/4/2011 13:29	SL		
1,1-Dichloroethene	0.010 U	ppmv	0.010	0.0010	1			11/4/2011 13:29	SL		
Methylene Chloride	2.0 U	ppmv	2.0	0.19	1			11/4/2011 13:29	SL		
trans-1,2-Dichloroethene	0.010 U	ppmv	0.010	0.0080	1			11/4/2011 13:29	SL		
1,1-Dichloroethane	0.020 U	ppmv	0.020	0.0040	1			11/4/2011 13:29	SL		
cis-1,2-Dichloroethene	0.020 U	ppmv	0.020	0.0070	1			11/4/2011 13:29	SL		
Chloroform	0.0050 U	ppmv	0.0050	0.0010	1			11/4/2011 13:29	SL		
1,1,1-Trichloroethane	0.0050 U	ppmv	0.0050	0.0010	1			11/4/2011 13:29	SL		
Carbon Tetrachloride	0.0050 U	ppmv	0.0050	0.0010	1			11/4/2011 13:29	SL		
Trichloroethene	0.0013J	ppmv	0.010	0.0010	1			11/4/2011 13:29	SL		
Tetrachloroethene	0.030	ppmv	0.010	0.0010	1			11/4/2011 13:29	SL		

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ANALYTICAL RESULTS

Workorder: 3109 Michigan Plaza / M01046

Lab ID: **31090006** Date Received: 10/27/2011 15:00 Matrix: Vapor

Sample ID: **B-6** Date Collected: 10/25/2011 11:40

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM4.02 Vapors			Analytical Method: AM4.02 Vapors								
Vinyl Chloride	1.0	Uppmv	1.0	0.095	1			11/4/2011 14:37	SL		
1,1-Dichloroethene	0.010	Uppmv	0.010	0.0010	1			11/4/2011 14:37	SL		
Methylene Chloride	2.0	Uppmv	2.0	0.19	1			11/4/2011 14:37	SL		
trans-1,2-Dichloroethene	0.010	Uppmv	0.010	0.0080	1			11/4/2011 14:37	SL		
1,1-Dichloroethane	0.020	Uppmv	0.020	0.0040	1			11/4/2011 14:37	SL		
cis-1,2-Dichloroethene	0.020	Uppmv	0.020	0.0070	1			11/4/2011 14:37	SL		
Chloroform	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 14:37	SL		
1,1,1-Trichloroethane	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 14:37	SL		
Carbon Tetrachloride	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 14:37	SL		
Trichloroethene	0.010	Uppmv	0.010	0.0010	1			11/4/2011 14:37	SL		
Tetrachloroethene	0.025	ppmv	0.010	0.0010	1			11/4/2011 14:37	SL		

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ANALYTICAL RESULTS

Workorder: 3109 Michigan Plaza / M01046

Lab ID: **31090007** Date Received: 10/27/2011 15:00 Matrix: Vapor

Sample ID: **B-7** Date Collected: 10/25/2011 11:50

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM4.02 Vapors			Analytical Method: AM4.02 Vapors								
Vinyl Chloride	1.0	Uppmv	1.0	0.095	1			11/4/2011 15:44	SL		
1,1-Dichloroethene	0.010	Uppmv	0.010	0.0010	1			11/4/2011 15:44	SL		
Methylene Chloride	2.0	Uppmv	2.0	0.19	1			11/4/2011 15:44	SL		
trans-1,2-Dichloroethene	0.010	Uppmv	0.010	0.0080	1			11/4/2011 15:44	SL		
1,1-Dichloroethane	0.020	Uppmv	0.020	0.0040	1			11/4/2011 15:44	SL		
cis-1,2-Dichloroethene	0.020	Uppmv	0.020	0.0070	1			11/4/2011 15:44	SL		
Chloroform	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 15:44	SL		
1,1,1-Trichloroethane	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 15:44	SL		
Carbon Tetrachloride	0.0050	Uppmv	0.0050	0.0010	1			11/4/2011 15:44	SL		
Trichloroethene	0.010	Uppmv	0.010	0.0010	1			11/4/2011 15:44	SL		
Tetrachloroethene	0.0028J	ppmv	0.010	0.0010	1			11/4/2011 15:44	SL		

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 3109 Michigan Plaza / M01046

PARAMETER QUALIFIERS

U	Indicates the compound was analyzed for, but not detected.
J	Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

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QUALITY CONTROL DATA

Workorder: 3109 Michigan Plaza / M01046

QC Batch: VAP/1127 Analysis Method: AM4.02 Vapors

QC Batch Method: AM4.02 Vapors

Associated Lab Samples: 31090001, 31090002, 31090003, 31090004, 31090005, 31090006, 31090007

METHOD BLANK: 6253

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
1,1-Dichloroethene	ppmv	0.010 U	0.010	
trans-1,2-Dichloroethene	ppmv	0.010 U	0.010	
1,1-Dichloroethane	ppmv	0.020 U	0.020	
cis-1,2-Dichloroethene	ppmv	0.020 U	0.020	
Chloroform	ppmv	0.0050 U	0.0050	
1,1,1-Trichloroethane	ppmv	0.0050 U	0.0050	
Carbon Tetrachloride	ppmv	0.0050 U	0.0050	
Trichloroethene	ppmv	0.010 U	0.010	
Tetrachloroethene	ppmv	0.010 U	0.010	

METHOD BLANK: 6254

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Vinyl Chloride	ppmv	1.0 U	1.0	
Methylene Chloride	ppmv	2.0 U	2.0	

LABORATORY CONTROL SAMPLE & LCSD: 6255 6257

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
1,1-Dichloroethene	ppmv	0.65	0.63	0.62	97	96	75-125	1	20	
trans-1,2-Dichloroethene	ppmv	0.65	0.66	0.66	100	100	75-125	0	20	
1,1-Dichloroethane	ppmv	0.64	0.64	0.62	100	97	75-125	3	20	
cis-1,2-Dichloroethene	ppmv		0.020 U	0.020 U						
Chloroform	ppmv	0.53	0.53	0.52	100	98	75-125	2	20	
1,1,1-Trichloroethane	ppmv	0.47	0.48	0.47	100	100	75-125	0	20	
Carbon Tetrachloride	ppmv	0.41	0.42	0.41	100	100	75-125	0	20	
Trichloroethene	ppmv	0.48	0.48	0.47	99	98	75-125	1	20	
Tetrachloroethene	ppmv		0.0011J	0.0011J						

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QUALITY CONTROL DATA

Workorder: 3109 Michigan Plaza / M01046

LABORATORY CONTROL SAMPLE & LCSD: 6256 6258

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Vinyl Chloride	ppmv		1.0 U	1.0 U						
Methylene Chloride	ppmv		0.72J	0.71J						

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 3109 Michigan Plaza / M01046

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
31090001	B-1			AM4.02 Vapors	VAP/1127
31090002	B-2			AM4.02 Vapors	VAP/1127
31090003	B-3			AM4.02 Vapors	VAP/1127
31090004	B-4			AM4.02 Vapors	VAP/1127
31090005	B-5			AM4.02 Vapors	VAP/1127
31090006	B-6			AM4.02 Vapors	VAP/1127
31090007	B-7			AM4.02 Vapors	VAP/1127

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Microseeps Lab. Proj. # 3109

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. #

Phone: (412) 826-5245 | Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 | Fax No. : (412) 826-3433

Company : Mundell & Associates Inc.

Co. Address : 1105 S. Downey Ave Indpls, IN 46219

Phone # : 317-630-9060 Fax # : 317-630-9065

Proj. Manager : Sarah Webb

Proj. Name/Number : MT Plaza / M01046

Sampler's signature :

Cooler Temp.

Results to : Sarah Webb

Invoice to : Merle Tebbe

Parameters Requested: Chlorinated Hydrocarbons

	Sample ID	Sample Description	Sample Type Water	Vapor	Solid	Date	Time	# bottles	Chlorinated Hydrocarbons	Remarks :
1	B-1	Vapor		✓		10-25-11	11:23A	2	X	
2	B-2	Vapor		✓		10-25-11	11:05A	2	✓	
3	B-3	Vapor		✓		10-25-11	10:50A	2	✓	
4	B-4	Vapor		✓		10-25-11	11:15A	2	✓	
5	B-5	Vapor		✓		10-25-11	11:35A	2	✓	
6	B-6	Vapor		✓		10-25-11	11:40A	2	✓	
7	B-7	Vapor		✓		10-25-11	11:50A	2	✓	

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
	Mundell	10-26-11	9:00A		MS	10/27/11	1500
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

Microseeps, Inc
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Phone: (412) 826-5245
Fax: (412) 826-3433

November 15, 2011

Sarah Webb
Mundell & Associates, Inc.
110 South Downey Ave.
Indianapolis, IN 46219

RE: **Michigan Plaza / M01046**
Microseeps Workorder: 3112

Dear Sarah Webb:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, October 27, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Heather Hauser (JS) 11/16/11

Heather Hauser 11/15/2011
hhauser@microseeps.com

Enclosures

Total Number of Pages 44

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LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
Accreditation ID:	02-00538
Scope:	NELAP Non-Potable Water and Solid & Hazardous Waste
Accreditor:	NELAP: State of Florida, Department of Health, Bureau of Laboratories
Accreditation ID:	E87832
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
Accreditation ID:	89009003
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: State of Louisiana, Department of Environmental Quality
Accreditation ID:	04104
Scope:	Solid and Chemical Materials; Non-Potable Water
Accreditor:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water; Solid and Chemical Materials
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water; Solid and Hazardous Waste
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health
Accreditation ID:	PH-0263
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: Texas, Commission on Environmental Quality
Accreditation ID:	T104704453-09-TX
Scope:	Non-Potable Water
Accreditor:	State of New Hampshire
Accreditation ID:	299409
Scope:	Non-potable water
Accreditor:	State of Georgia
Accreditation ID:	Chapter 391-3-26
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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SAMPLE SUMMARY

Workorder: 3112 Michigan Plaza / M01046

Lab ID	Sample ID	Matrix	Date Collected	Date Received
31120001	MMW-1S	Water	10/19/2011 12:29	10/27/2011 10:15
31120002	MMW-8S	Water	10/24/2011 09:40	10/27/2011 10:15
31120003	MMW-9S	Water	10/24/2011 10:48	10/27/2011 10:15
31120004	MMW-9S MS	Water	10/24/2011 10:48	10/27/2011 10:15
31120005	MMW-9S MSD	Water	10/24/2011 10:48	10/27/2011 10:15
31120006	MMW-10S	Water	10/19/2011 13:49	10/27/2011 10:15
31120007	MMW-P-01	Water	10/24/2011 12:08	10/27/2011 10:15
31120008	MMW-P-02	Water	10/19/2011 09:39	10/27/2011 10:15
31120009	MMW-P-03S	Water	10/19/2011 10:26	10/27/2011 10:15
31120010	DUP 1	Water	10/19/2011 00:00	10/27/2011 10:15
31120011	MMW-P-03D	Water	10/18/2011 12:56	10/27/2011 10:15
31120012	MMW-P-04	Water	10/24/2011 13:20	10/27/2011 10:15
31120013	MMW-P-05	Water	10/19/2011 11:35	10/27/2011 10:15
31120014	MMW-P-06	Water	10/24/2011 12:45	10/27/2011 10:15
31120015	MMW-P-07	Water	10/24/2011 11:35	10/27/2011 10:15
31120016	MMW-P-08	Water	10/24/2011 10:16	10/27/2011 10:15
31120017	MMW-P-10S	Water	10/21/2011 14:08	10/27/2011 10:15
31120018	MMW-P-10D	Water	10/21/2011 14:41	10/27/2011 10:15
31120019	MMW-P-11S	Water	10/24/2011 17:30	10/27/2011 10:15
31120020	MMW-P-12S	Water	10/24/2011 14:53	10/27/2011 10:15
31120021	MMW-P-12D	Water	10/24/2011 15:32	10/27/2011 10:15
31120022	MMW-P-13S	Water	10/24/2011 16:15	10/27/2011 10:15
31120023	MMW-P-13D	Water	10/24/2011 16:48	10/27/2011 10:15
31120024	MMW-C-01	Water	10/21/2011 13:33	10/27/2011 10:15

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PROJECT SUMMARY

Workorder: 3112 Michigan Plaza / M01046

Workorder Comments

Samples were received approximately 9 days into the analysis holding time period. Samples 3112 (0001, 0006, 0008-0011, 0013, 0017-0018, 0024) were analyzed outside the hold time of 14 days from collection for the light hydrocarbons.

The delay was necessary to clarify issues between the laboratory and the customer, associated to the laboratories sample receiving procedures.

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120001** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-1S** Date Collected: 10/19/2011 12:29

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	13000	ug/l	0.10	0.023	1			11/5/2011 13:59	BW		
Ethane	0.029	ug/l	0.025	0.0050	1			11/5/2011 13:59	BW		
Ethene	0.28	ug/l	0.025	0.0080	1			11/5/2011 13:59	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.10	Umg/l	0.10	0.010	1			11/2/2011 13:49	KB		
Acetic Acid	0.083	mg/l	0.070	0.0060	1			11/2/2011 13:49	KB		
Propionic Acid	0.064	mg/l	0.050	0.0070	1			11/2/2011 13:49	KB		
Butyric Acid	0.050	Umg/l	0.050	0.0040	1			11/2/2011 13:49	KB		
Pyruvic Acid	0.15	Umg/l	0.15	0.033	1			11/2/2011 13:49	KB		
i-Pentanoic Acid	0.15	Umg/l	0.15	0.044	1			11/2/2011 13:49	KB		
Pentanoic Acid	0.070	Umg/l	0.070	0.012	1			11/2/2011 13:49	KB		
i-Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1			11/2/2011 13:49	KB		
Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1			11/2/2011 13:49	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120002** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-8S** Date Collected: 10/24/2011 09:40

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	20000	ug/l	0.10	0.023	1			11/7/2011 13:46	BW		
Ethane	0.18	ug/l	0.025	0.0050	1			11/7/2011 13:46	BW		
Ethene	78	ug/l	0.025	0.0080	1			11/7/2011 13:46	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.45	mg/l	0.10	0.010	1			11/2/2011 14:31	KB		
Acetic Acid	0.050J	mg/l	0.070	0.0060	1			11/2/2011 14:31	KB		
Propionic Acid	0.050 U	mg/l	0.050	0.0070	1			11/2/2011 14:31	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/2/2011 14:31	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/2/2011 14:31	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/2/2011 14:31	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/2/2011 14:31	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 14:31	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 14:31	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120003** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-9S** Date Collected: 10/24/2011 10:48

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	7000	ug/l	0.10	0.023	1			11/7/2011 13:56	BW		
Ethane	1.9	ug/l	0.025	0.0050	1			11/7/2011 13:56	BW		
Ethene	22	ug/l	0.025	0.0080	1			11/7/2011 13:56	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.15	mg/l	0.10	0.010	1			11/2/2011 15:13	KB		
Acetic Acid	0.078	mg/l	0.070	0.0060	1			11/2/2011 15:13	KB		
Propionic Acid	0.075	mg/l	0.050	0.0070	1			11/2/2011 15:13	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/2/2011 15:13	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/2/2011 15:13	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/2/2011 15:13	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/2/2011 15:13	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 15:13	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 15:13	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120004** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-9S MS** Date Collected: 10/24/2011 10:48

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	8100	ug/l	0.10	0.023	1			11/7/2011 14:06	BW		
Ethane	48	ug/l	0.025	0.0050	1			11/7/2011 14:06	BW		
Ethene	68	ug/l	0.025	0.0080	1			11/7/2011 14:06	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	2.4	mg/l	0.10	0.010	1			11/2/2011 15:56	KB		
Acetic Acid	1.9	mg/l	0.070	0.0060	1			11/2/2011 15:56	KB		
Propionic Acid	2.0	mg/l	0.050	0.0070	1			11/2/2011 15:56	KB		
Butyric Acid	1.9	mg/l	0.050	0.0040	1			11/2/2011 15:56	KB		
Pyruvic Acid	2.0	mg/l	0.15	0.033	1			11/2/2011 15:56	KB		
i-Pentanoic Acid	1.7	mg/l	0.15	0.044	1			11/2/2011 15:56	KB		
Pentanoic Acid	1.9	mg/l	0.070	0.012	1			11/2/2011 15:56	KB		
i-Hexanoic Acid	1.9	mg/l	0.050	0.0060	1			11/2/2011 15:56	KB		
Hexanoic Acid	1.8	mg/l	0.050	0.0060	1			11/2/2011 15:56	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120005** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-9S MSD** Date Collected: 10/24/2011 10:48

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	8100	ug/l	0.10	0.023	1			11/7/2011 14:49	BW		
Ethane	52	ug/l	0.025	0.0050	1			11/7/2011 14:49	BW		
Ethene	71	ug/l	0.025	0.0080	1			11/7/2011 14:49	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	2.6	mg/l	0.10	0.010	1			11/2/2011 16:38	KB		
Acetic Acid	1.9	mg/l	0.070	0.0060	1			11/2/2011 16:38	KB		
Propionic Acid	1.9	mg/l	0.050	0.0070	1			11/2/2011 16:38	KB		
Butyric Acid	1.8	mg/l	0.050	0.0040	1			11/2/2011 16:38	KB		
Pyruvic Acid	2.0	mg/l	0.15	0.033	1			11/2/2011 16:38	KB		
i-Pentanoic Acid	1.8	mg/l	0.15	0.044	1			11/2/2011 16:38	KB		
Pentanoic Acid	1.9	mg/l	0.070	0.012	1			11/2/2011 16:38	KB		
i-Hexanoic Acid	2.3	mg/l	0.050	0.0060	1			11/2/2011 16:38	KB		
Hexanoic Acid	2.0	mg/l	0.050	0.0060	1			11/2/2011 16:38	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120006** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-10S** Date Collected: 10/19/2011 13:49

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	10000	ug/l	0.10	0.023	1			11/5/2011 14:08	BW		
Ethane	0.084	ug/l	0.025	0.0050	1			11/5/2011 14:08	BW		
Ethene	12	ug/l	0.025	0.0080	1			11/5/2011 14:08	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.12	mg/l	0.10	0.010	1			11/2/2011 17:20	KB		
Acetic Acid	0.064J	mg/l	0.070	0.0060	1			11/2/2011 17:20	KB		
Propionic Acid	0.069	mg/l	0.050	0.0070	1			11/2/2011 17:20	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/2/2011 17:20	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/2/2011 17:20	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/2/2011 17:20	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/2/2011 17:20	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 17:20	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 17:20	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120007** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-01** Date Collected: 10/24/2011 12:08

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	12000	ug/l	0.10	0.023	1			11/5/2011 14:18	BW		
Ethane	0.72	ug/l	0.025	0.0050	1			11/5/2011 14:18	BW		
Ethene	1600	ug/l	0.025	0.0080	1			11/5/2011 14:18	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.82	mg/l	0.10	0.010	1			11/2/2011 18:02	KB		
Acetic Acid	1.0	mg/l	0.070	0.0060	1			11/2/2011 18:02	KB		
Propionic Acid	0.088	mg/l	0.050	0.0070	1			11/2/2011 18:02	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/2/2011 18:02	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/2/2011 18:02	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/2/2011 18:02	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/2/2011 18:02	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 18:02	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 18:02	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120008** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-02** Date Collected: 10/19/2011 09:39

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	13000	ug/l	0.10	0.023	1			11/5/2011 14:28	BW		
Ethane	1.4	ug/l	0.025	0.0050	1			11/5/2011 14:28	BW		
Ethene	670	ug/l	0.025	0.0080	1			11/5/2011 14:28	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.44	mg/l	0.10	0.010	1			11/2/2011 18:44	KB		
Acetic Acid	0.080	mg/l	0.070	0.0060	1			11/2/2011 18:44	KB		
Propionic Acid	0.069	mg/l	0.050	0.0070	1			11/2/2011 18:44	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/2/2011 18:44	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/2/2011 18:44	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/2/2011 18:44	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/2/2011 18:44	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 18:44	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 18:44	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120009** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-03S** Date Collected: 10/19/2011 10:26

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	17000	ug/l	0.10	0.023	1			11/5/2011 15:20	BW		
Ethane	2.0	ug/l	0.025	0.0050	1			11/5/2011 15:20	BW		
Ethene	930	ug/l	0.025	0.0080	1			11/5/2011 15:20	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.34	mg/l	0.10	0.010	1			11/2/2011 19:26	KB		
Acetic Acid	0.083	mg/l	0.070	0.0060	1			11/2/2011 19:26	KB		
Propionic Acid	0.071	mg/l	0.050	0.0070	1			11/2/2011 19:26	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/2/2011 19:26	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/2/2011 19:26	KB		
i-Pentanoic Acid	0.045J	mg/l	0.15	0.044	1			11/2/2011 19:26	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/2/2011 19:26	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 19:26	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 19:26	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120010** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **DUP 1** Date Collected: 10/19/2011 00:00

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	18000	ug/l	0.10	0.023	1			11/5/2011 15:30	BW		
Ethane	2.1	ug/l	0.025	0.0050	1			11/5/2011 15:30	BW		
Ethene	970	ug/l	0.025	0.0080	1			11/5/2011 15:30	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.12	mg/l	0.10	0.010	1			11/2/2011 20:08	KB		
Acetic Acid	0.076	mg/l	0.070	0.0060	1			11/2/2011 20:08	KB		
Propionic Acid	0.070	mg/l	0.050	0.0070	1			11/2/2011 20:08	KB		
Butyric Acid	0.050	Umg/l	0.050	0.0040	1			11/2/2011 20:08	KB		
Pyruvic Acid	0.15	Umg/l	0.15	0.033	1			11/2/2011 20:08	KB		
i-Pentanoic Acid	0.15	Umg/l	0.15	0.044	1			11/2/2011 20:08	KB		
Pentanoic Acid	0.070	Umg/l	0.070	0.012	1			11/2/2011 20:08	KB		
i-Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1			11/2/2011 20:08	KB		
Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1			11/2/2011 20:08	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120011** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-03D** Date Collected: 10/18/2011 12:56

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	20000	ug/l	0.10	0.023	1			11/5/2011 15:40	BW		
Ethane	5.8	ug/l	0.025	0.0050	1			11/5/2011 15:40	BW		
Ethene	2200	ug/l	0.025	0.0080	1			11/5/2011 15:40	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.10 U	mg/l	0.10	0.010	1			11/2/2011 20:50	KB		
Acetic Acid	18	mg/l	0.70	0.060	10			11/4/2011 04:25	KB		
Propionic Acid	1.0	mg/l	0.50	0.070	10			11/4/2011 04:25	KB		
Butyric Acid	0.13	mg/l	0.050	0.0040	1			11/2/2011 20:50	KB		
Pyruvic Acid	0.069J	mg/l	0.15	0.033	1			11/2/2011 20:50	KB		
i-Pentanoic Acid	0.046J	mg/l	0.15	0.044	1			11/2/2011 20:50	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/2/2011 20:50	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 20:50	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 20:50	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120012** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-04** Date Collected: 10/24/2011 13:20

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	18000	ug/l	0.10	0.023	1			11/5/2011 15:57	BW		
Ethane	1.7	ug/l	0.025	0.0050	1			11/5/2011 15:57	BW		
Ethene	26	ug/l	0.025	0.0080	1			11/5/2011 15:57	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.27	mg/l	0.10	0.010	1			11/2/2011 21:32	KB		
Acetic Acid	5.0	mg/l	0.070	0.0060	1			11/2/2011 21:32	KB		
Propionic Acid	0.31	mg/l	0.050	0.0070	1			11/2/2011 21:32	KB		
Butyric Acid	0.11	mg/l	0.050	0.0040	1			11/2/2011 21:32	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/2/2011 21:32	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/2/2011 21:32	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/2/2011 21:32	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 21:32	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 21:32	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120013** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-05** Date Collected: 10/19/2011 11:35

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	3700	ug/l	0.10	0.023	1			11/5/2011 16:06	BW		
Ethane	0.12	ug/l	0.025	0.0050	1			11/5/2011 16:06	BW		
Ethene	93	ug/l	0.025	0.0080	1			11/5/2011 16:06	BW		

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Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120014** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-06** Date Collected: 10/24/2011 12:45

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	14000	ug/l	0.10	0.023	1			11/5/2011 16:16	BW		
Ethane	0.78	ug/l	0.025	0.0050	1			11/5/2011 16:16	BW		
Ethene	2500	ug/l	0.025	0.0080	1			11/5/2011 16:16	BW		

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Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120015** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-07** Date Collected: 10/24/2011 11:35

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	12000	ug/l	0.10	0.023	1			11/5/2011 16:27	BW		
Ethane	0.31	ug/l	0.025	0.0050	1			11/5/2011 16:27	BW		
Ethene	330	ug/l	0.025	0.0080	1			11/5/2011 16:27	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.46	mg/l	0.10	0.010	1			11/2/2011 22:15	KB		
Acetic Acid	0.078	mg/l	0.070	0.0060	1			11/2/2011 22:15	KB		
Propionic Acid	0.071	mg/l	0.050	0.0070	1			11/2/2011 22:15	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/2/2011 22:15	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/2/2011 22:15	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/2/2011 22:15	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/2/2011 22:15	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 22:15	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 22:15	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120016** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-08** Date Collected: 10/24/2011 10:16

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	3200	ug/l	0.10	0.023	1			11/5/2011 16:44	BW		
Ethane	0.28	ug/l	0.025	0.0050	1			11/5/2011 16:44	BW		
Ethene	210	ug/l	0.025	0.0080	1			11/5/2011 16:44	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.16	mg/l	0.10	0.010	1			11/2/2011 22:57	KB		
Acetic Acid	0.10	mg/l	0.070	0.0060	1			11/2/2011 22:57	KB		
Propionic Acid	0.074	mg/l	0.050	0.0070	1			11/2/2011 22:57	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/2/2011 22:57	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/2/2011 22:57	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/2/2011 22:57	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/2/2011 22:57	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 22:57	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 22:57	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120017** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-10S** Date Collected: 10/21/2011 14:08

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	4300	ug/l	0.10	0.023	1			11/5/2011 16:53	BW		
Ethane	1.8	ug/l	0.025	0.0050	1			11/5/2011 16:53	BW		
Ethene	22	ug/l	0.025	0.0080	1			11/5/2011 16:53	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.10 U	mg/l	0.10	0.010	1			11/2/2011 23:39	KB		
Acetic Acid	0.078	mg/l	0.070	0.0060	1			11/2/2011 23:39	KB		
Propionic Acid	0.070	mg/l	0.050	0.0070	1			11/2/2011 23:39	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/2/2011 23:39	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/2/2011 23:39	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/2/2011 23:39	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/2/2011 23:39	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 23:39	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/2/2011 23:39	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120018** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-10D** Date Collected: 10/21/2011 14:41

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	20000	ug/l	0.10	0.023	1			11/5/2011 17:04	BW		
Ethane	1.3	ug/l	0.025	0.0050	1			11/5/2011 17:04	BW		
Ethene	580	ug/l	0.025	0.0080	1			11/5/2011 17:04	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.10 U	mg/l	0.10	0.010	1			11/3/2011 00:21	KB		
Acetic Acid	0.10	mg/l	0.070	0.0060	1			11/3/2011 00:21	KB		
Propionic Acid	0.078	mg/l	0.050	0.0070	1			11/3/2011 00:21	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/3/2011 00:21	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/3/2011 00:21	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/3/2011 00:21	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/3/2011 00:21	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/3/2011 00:21	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/3/2011 00:21	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120019** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-11S** Date Collected: 10/24/2011 17:30

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	690	ug/l	0.10	0.023	1			11/5/2011 17:14	BW		
Ethane	0.097	ug/l	0.025	0.0050	1			11/5/2011 17:14	BW		
Ethene	6.2	ug/l	0.025	0.0080	1			11/5/2011 17:14	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.21	mg/l	0.10	0.010	1			11/3/2011 01:03	KB		
Acetic Acid	0.082	mg/l	0.070	0.0060	1			11/3/2011 01:03	KB		
Propionic Acid	0.070	mg/l	0.050	0.0070	1			11/3/2011 01:03	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/3/2011 01:03	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/3/2011 01:03	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/3/2011 01:03	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/3/2011 01:03	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/3/2011 01:03	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/3/2011 01:03	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120020** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-12S** Date Collected: 10/24/2011 14:53

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	24	ug/l	0.10	0.023	1			11/5/2011 17:27	BW		
Ethane	1.3	ug/l	0.025	0.0050	1			11/5/2011 17:27	BW		
Ethene	0.83	ug/l	0.025	0.0080	1			11/5/2011 17:27	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.10 U	mg/l	0.10	0.010	1			11/3/2011 01:45	KB		
Acetic Acid	0.065J	mg/l	0.070	0.0060	1			11/3/2011 01:45	KB		
Propionic Acid	0.070	mg/l	0.050	0.0070	1			11/3/2011 01:45	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/3/2011 01:45	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/3/2011 01:45	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/3/2011 01:45	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/3/2011 01:45	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/3/2011 01:45	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/3/2011 01:45	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120021** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-12D** Date Collected: 10/24/2011 15:32

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	26	ug/l	0.10	0.023	1			11/7/2011 15:02	BW		
Ethane	1.5	ug/l	0.025	0.0050	1			11/7/2011 15:02	BW		
Ethene	0.77	ug/l	0.025	0.0080	1			11/7/2011 15:02	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	1.2	mg/l	0.10	0.010	1			11/3/2011 02:27	KB		
Acetic Acid	0.22	mg/l	0.070	0.0060	1			11/3/2011 02:27	KB		
Propionic Acid	0.13	mg/l	0.050	0.0070	1			11/3/2011 02:27	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/3/2011 02:27	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/3/2011 02:27	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/3/2011 02:27	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/3/2011 02:27	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/3/2011 02:27	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/3/2011 02:27	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120022** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-13S** Date Collected: 10/24/2011 16:15

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	3.8	ug/l	0.10	0.023	1			11/7/2011 15:12	BW		
Ethane	0.18	ug/l	0.025	0.0050	1			11/7/2011 15:12	BW		
Ethene	0.18	ug/l	0.025	0.0080	1			11/7/2011 15:12	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.34	mg/l	0.10	0.010	1			11/3/2011 03:09	KB		
Acetic Acid	0.087	mg/l	0.070	0.0060	1			11/3/2011 03:09	KB		
Propionic Acid	0.070	mg/l	0.050	0.0070	1			11/3/2011 03:09	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/3/2011 03:09	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/3/2011 03:09	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/3/2011 03:09	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/3/2011 03:09	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/3/2011 03:09	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/3/2011 03:09	KB		

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Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120023** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-P-13D** Date Collected: 10/24/2011 16:48

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	20	ug/l	0.10	0.023	1			11/7/2011 15:22	BW		
Ethane	2.0	ug/l	0.025	0.0050	1			11/7/2011 15:22	BW		
Ethene	1.3	ug/l	0.025	0.0080	1			11/7/2011 15:22	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.26	mg/l	0.10	0.010	1			11/5/2011 06:03	KB		
Acetic Acid	0.082	mg/l	0.070	0.0060	1			11/5/2011 06:03	KB		
Propionic Acid	0.050 U	mg/l	0.050	0.0070	1			11/5/2011 06:03	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/5/2011 06:03	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/5/2011 06:03	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/5/2011 06:03	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/5/2011 06:03	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/5/2011 06:03	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/5/2011 06:03	KB		

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ANALYTICAL RESULTS

Workorder: 3112 Michigan Plaza / M01046

Lab ID: **31120024** Date Received: 10/27/2011 10:15 Matrix: Water

Sample ID: **MMW-C-01** Date Collected: 10/21/2011 13:33

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK - MICR											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	12000	ug/l	0.10	0.023	1			11/5/2011 17:37	BW		
Ethane	0.081	ug/l	0.025	0.0050	1			11/5/2011 17:37	BW		
Ethene	94	ug/l	0.025	0.0080	1			11/5/2011 17:37	BW		
EDonors - MICR											
Analysis Desc: AM23G			Analytical Method: AM23G								
Lactic Acid	0.37	mg/l	0.10	0.010	1			11/5/2011 06:45	KB		
Acetic Acid	0.10	mg/l	0.070	0.0060	1			11/5/2011 06:45	KB		
Propionic Acid	0.066	mg/l	0.050	0.0070	1			11/5/2011 06:45	KB		
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1			11/5/2011 06:45	KB		
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1			11/5/2011 06:45	KB		
i-Pentanoic Acid	0.15 U	mg/l	0.15	0.044	1			11/5/2011 06:45	KB		
Pentanoic Acid	0.070 U	mg/l	0.070	0.012	1			11/5/2011 06:45	KB		
i-Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/5/2011 06:45	KB		
Hexanoic Acid	0.050 U	mg/l	0.050	0.0060	1			11/5/2011 06:45	KB		

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 3112 Michigan Plaza / M01046

PARAMETER QUALIFIERS

U Indicates the compound was analyzed for, but not detected.

J Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

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QUALITY CONTROL DATA

Workorder: 3112 Michigan Plaza / M01046

QC Batch: EDON/1175 Analysis Method: AM23G

QC Batch Method: AM23G

Associated Lab Samples: 31120001, 31120002, 31120003, 31120004, 31120005, 31120006, 31120007, 31120008, 31120009, 31120010,

METHOD BLANK: 6089

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
EDonors				
Lactic Acid	mg/l	0.10 U	0.10	
Acetic Acid	mg/l	0.070 U	0.070	
Propionic Acid	mg/l	0.050 U	0.050	
Butyric Acid	mg/l	0.050 U	0.050	
Pyruvic Acid	mg/l	0.15 U	0.15	
i-Pentanoic Acid	mg/l	0.15 U	0.15	
Pentanoic Acid	mg/l	0.070 U	0.070	
i-Hexanoic Acid	mg/l	0.050 U	0.050	
Hexanoic Acid	mg/l	0.050 U	0.050	

LABORATORY CONTROL SAMPLE: 6090

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
EDonors						
Lactic Acid	mg/l	2	2.2	110	70-130	
Acetic Acid	mg/l	2	1.9	94	70-130	
Propionic Acid	mg/l	2	1.8	91	70-130	
Butyric Acid	mg/l	2	1.7	84	70-130	
Pyruvic Acid	mg/l	2	2.1	110	70-130	
i-Pentanoic Acid	mg/l	2	1.7	86	70-130	
Pentanoic Acid	mg/l	2	1.6	79	70-130	
i-Hexanoic Acid	mg/l	2	1.7	87	70-130	
Hexanoic Acid	mg/l	2	1.6	82	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6091 6092 Original: 31120003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
EDonors											
Lactic Acid	mg/l	0.15	2	2.4	2.6	110	120	70-130	8.7	30	
Acetic Acid	mg/l	0.078	2	1.9	1.9	92	92	70-130	0	30	
Propionic Acid	mg/l	0.075	2	2.0	1.9	97	92	70-130	5.3	30	

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QUALITY CONTROL DATA

Workorder: 3112 Michigan Plaza / M01046

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6091 6092 Original: 31120003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Butyric Acid	mg/l	0	2	1.9	1.8	97	93	70-130	4.2	30	
Pyruvic Acid	mg/l	0	2	2.0	2.0	100	100	70-130	0	30	
i-Pentanoic Acid	mg/l	0	2	1.7	1.8	87	89	70-130	2.3	30	
Pentanoic Acid	mg/l	0	2	1.9	1.9	95	94	70-130	1.1	30	
i-Hexanoic Acid	mg/l	0	2	1.9	2.3	95	120	70-130	23	30	
Hexanoic Acid	mg/l	0	2	1.8	2.0	90	100	70-130	11	30	

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QUALITY CONTROL DATA

Workorder: 3112 Michigan Plaza / M01046

QC Batch: EDON/1179 Analysis Method: AM23G

QC Batch Method: AM23G

Associated Lab Samples: 31120023, 31120024

METHOD BLANK: 6183

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
EDonors				
Lactic Acid	mg/l	0.10 U	0.10	
Acetic Acid	mg/l	0.070 U	0.070	
Propionic Acid	mg/l	0.050 U	0.050	
Butyric Acid	mg/l	0.050 U	0.050	
Pyruvic Acid	mg/l	0.15 U	0.15	
i-Pentanoic Acid	mg/l	0.15 U	0.15	
Pentanoic Acid	mg/l	0.070 U	0.070	
i-Hexanoic Acid	mg/l	0.050 U	0.050	
Hexanoic Acid	mg/l	0.050 U	0.050	

LABORATORY CONTROL SAMPLE: 6184

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
EDonors						
Lactic Acid	mg/l	2	2.3	120	70-130	
Acetic Acid	mg/l	2	1.9	94	70-130	
Propionic Acid	mg/l	2	1.8	89	70-130	
Butyric Acid	mg/l	2	1.6	80	70-130	
Pyruvic Acid	mg/l	2	2.2	110	70-130	
i-Pentanoic Acid	mg/l	2	1.6	79	70-130	
Pentanoic Acid	mg/l	2	1.6	78	70-130	
i-Hexanoic Acid	mg/l	2	1.7	84	70-130	
Hexanoic Acid	mg/l	2	1.6	79	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6185 6186 Original: 31010001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
EDonors											
Lactic Acid	mg/l	0.32	2	2.5	2.6	110	120	70-130	8.7	30	
Acetic Acid	mg/l	0.072	2	1.9	1.9	92	93	70-130	1.1	30	
Propionic Acid	mg/l	0	2	1.8	1.8	90	88	70-130	2.2	30	

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QUALITY CONTROL DATA

Workorder: 3112 Michigan Plaza / M01046

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6185 6186 Original: 31010001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Butyric Acid	mg/l	0	2	1.7	1.6	86	82	70-130	4.8	30	
Pyruvic Acid	mg/l	0	2	2.1	2.2	110	110	70-130	0	30	
i-Pentanoic Acid	mg/l	0	2	1.7	1.7	87	85	70-130	2.3	30	
Pentanoic Acid	mg/l	0.44	2	2.0	1.9	81	74	70-130	9	30	
i-Hexanoic Acid	mg/l	0	2	1.9	1.8	95	92	70-130	3.2	30	
Hexanoic Acid	mg/l	0	2	1.8	1.6	88	80	70-130	9.5	30	

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QUALITY CONTROL DATA

Workorder: 3112 Michigan Plaza / M01046

QC Batch: DISG/1632 Analysis Method: AM20GAX

QC Batch Method: AM20GAX

Associated Lab Samples: 31120001, 31120006, 31120007, 31120008, 31120009, 31120010, 31120011, 31120012, 31120013, 31120014,

METHOD BLANK: 6206

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.10 U	0.10	
Ethane	ug/l	0.025 U	0.025	
Ethene	ug/l	0.025 U	0.025	

LABORATORY CONTROL SAMPLE & LCSD: 6207 6208

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Methane	ug/l	820	780	800	95	96	80-120	1	20	
Ethane	ug/l	45	44	45	99	100	80-120	1	20	
Ethene	ug/l	41	41	42	100	100	80-120	0	20	

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QUALITY CONTROL DATA

Workorder: 3112 Michigan Plaza / M01046

QC Batch: DISG/1633 Analysis Method: AM20GAX

QC Batch Method: AM20GAX

Associated Lab Samples: 31120002, 31120003, 31120004, 31120005, 31120021, 31120022, 31120023

METHOD BLANK: 6209

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.10 U	0.10	
Ethane	ug/l	0.025 U	0.025	
Ethene	ug/l	0.025 U	0.025	

LABORATORY CONTROL SAMPLE & LCSD: 6210 6211

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Methane	ug/l	820	820	820	99	99	80-120	0	20	
Ethane	ug/l	45	46	46	100	100	80-120	0	20	
Ethene	ug/l	41	43	43	110	110	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6212 6213 Original: 31120003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK											
Methane	ug/l	7000	820	8100	8100	130	130	70-130	0	20	
Ethane	ug/l	1.9	45	48	52	100	110	70-130	9.5	20	
Ethene	ug/l	22	41	68	71	110	120	70-130	8.7	20	

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QUALITY CONTROL DATA

Workorder: 3112 Michigan Plaza / M01046

QC Batch: EDON/1185 Analysis Method: AM23G

QC Batch Method: AM23G

Associated Lab Samples: 31120011

METHOD BLANK: 6336

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
EDonors				
Acetic Acid	mg/l	0.070 U	0.070	
Propionic Acid	mg/l	0.050 U	0.050	

LABORATORY CONTROL SAMPLE: 6337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
EDonors						
Acetic Acid	mg/l	2	1.9	95	70-130	
Propionic Acid	mg/l	2	1.8	92	70-130	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 3112 Michigan Plaza / M01046

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
31120001	MMW-1S			AM23G	EDON/1175
31120002	MMW-8S			AM23G	EDON/1175
31120003	MMW-9S			AM23G	EDON/1175
31120004	MMW-9S MS			AM23G	EDON/1175
31120005	MMW-9S MSD			AM23G	EDON/1175
31120006	MMW-10S			AM23G	EDON/1175
31120007	MMW-P-01			AM23G	EDON/1175
31120008	MMW-P-02			AM23G	EDON/1175
31120009	MMW-P-03S			AM23G	EDON/1175
31120010	DUP 1			AM23G	EDON/1175
31120011	MMW-P-03D			AM23G	EDON/1175
31120012	MMW-P-04			AM23G	EDON/1175
31120015	MMW-P-07			AM23G	EDON/1175
31120016	MMW-P-08			AM23G	EDON/1175
31120017	MMW-P-10S			AM23G	EDON/1175
31120018	MMW-P-10D			AM23G	EDON/1175
31120019	MMW-P-11S			AM23G	EDON/1175
31120020	MMW-P-12S			AM23G	EDON/1175
31120021	MMW-P-12D			AM23G	EDON/1175
31120022	MMW-P-13S			AM23G	EDON/1175
31120023	MMW-P-13D			AM23G	EDON/1179
31120024	MMW-C-01			AM23G	EDON/1179
31120001	MMW-1S			AM20GAX	DISG/1632
31120006	MMW-10S			AM20GAX	DISG/1632
31120007	MMW-P-01			AM20GAX	DISG/1632
31120008	MMW-P-02			AM20GAX	DISG/1632
31120009	MMW-P-03S			AM20GAX	DISG/1632
31120010	DUP 1			AM20GAX	DISG/1632
31120011	MMW-P-03D			AM20GAX	DISG/1632
31120012	MMW-P-04			AM20GAX	DISG/1632
31120013	MMW-P-05			AM20GAX	DISG/1632
31120014	MMW-P-06			AM20GAX	DISG/1632

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 3112 Michigan Plaza / M01046

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
31120015	MMW-P-07			AM20GAX	DISG/1632
31120016	MMW-P-08			AM20GAX	DISG/1632
31120017	MMW-P-10S			AM20GAX	DISG/1632
31120018	MMW-P-10D			AM20GAX	DISG/1632
31120019	MMW-P-11S			AM20GAX	DISG/1632
31120020	MMW-P-12S			AM20GAX	DISG/1632
31120024	MMW-C-01			AM20GAX	DISG/1632
31120002	MMW-8S			AM20GAX	DISG/1633
31120003	MMW-9S			AM20GAX	DISG/1633
31120004	MMW-9S MS			AM20GAX	DISG/1633
31120005	MMW-9S MSD			AM20GAX	DISG/1633
31120021	MMW-P-12D			AM20GAX	DISG/1633
31120022	MMW-P-13S			AM20GAX	DISG/1633
31120023	MMW-P-13D			AM20GAX	DISG/1633
31120011	MMW-P-03D			AM23G	EDON/1185

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Microseeps Lab. Proj. # 3112

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. #

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Company : Mundell & Associates

Co. Address : 110 S. Downey Ave Indpls, IN 46219

Phone # : 317-630-9060 Fax # : 317-630-9065

Proj. Manager : Sarah Webb

Proj. Name/Number : MI Plaza / M01046

Sampler's signature :

Cooler Temp.

Results to : Sarah Webb

Invoice to : Merle Tebbe

	Sample ID	Sample Description	Sample Type: Water	Vapor	Solid	Date	Time	# bottles	MEE AM20GAX	VFA Lawkwel AM23G	Remarks :
1	MMW-1S	water	✓			10-19-11	12:29p	4	X	X	
2	MMW-8S	water	✓			10-24-11	9:40A	4	X	X	
3	MMW-9S (MS/MSD)	water	✓			10-24-11	10:48A	4	X	X	
4	MMW-10S	water	✓			10-19-11	1:49A	4	X	X	
5	MMW-P-01	water	✓			10-24-11	12:08p	4	X	X	
6	MMW-P-02	water	✓			10-19-11	9:39A	4	X	X	
7	MMW-P-03S	water	✓			10-19-11	10:26A	4	X	X	
8	Dup 1	water	✓					4	X	X	
9	MMW-P-03D	water	✓			10-18-11	12:56p	4	X	X	
10	MMW-P-04	water	✓			10-24-11	1:20p	4	X		
11	MMW-P-05	water	✓			10-19-11	11:35A	2	X		
12	MMW-P-06	water	✓			10-24-11	12:45p	2	X		

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
	Mundell	10-26-11	9:30A		MS	10/27/11	10 15
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

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Microseeps Lab. Proj. # 3112

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Company : Mundell & Associates

Co. Address : 110 S. Downey ave Indpls, IN

Phone # : 317-630-9060 Fax # : 317-630-9065

Proj. Manager : Sarah Webb

Proj. Name/Number : MI Plaza / M01046

Sampler's signature:

Cooler Temp.

Results to : Sarah Webb

Invoice to : Mike Lebre

	Sample ID	Sample Description	Sample Type Water	Vapor	Solid	Date	Time	# bottles	MFE AM20GAX	VFA Low Level AM23G	Remarks :
13	MMW-P-07	water	✓			10-24-11	11:35A	4	X	X	
14	MMW-P-08	water	✓			10-24-11	10:16A	4	X	X	
15	MMW-P-10S	water	✓			10-21-11	2:08p	4	X	X	
16	MMW-P-10D	water	✓			10-21-11	2:41p	4	X	X	
17	MMW-P-11S	water	✓			10-24-11	3:39p	4	X	X	
18	MMW-P-12S	water	✓			10-24-11	2:53p	4	X	X	
19	MMW-P-12D	water	✓			10-24-11	3:32p	4	X	X	
20	MMW-P-13S	water	✓			10-24-11	4:15p	4	X	X	
21	MMW-P-13D	water	✓			10-24-11	4:48p	4	X	X	
22	MMW-C-01	water	✓			10-21-11	1:33p	4	X	X	

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
	Mundell	10-26-11	9:30A	H Lawlor	MS	10/27/11	1015
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

NON-CONFORMANCE REPORT

Microseeps Project Number: 3112

Date: 10/27/11 Time of Receipt: 10:15 Receiver: Hdan Young

Client: Mundell & Ass.

REASON FOR NON-CONFORMANCE:

1. MMW-8S: MEE vials: one broken; one left for analysis.
2. MMW-P-02: ——— same ———
3. MMW-P-04: VFA vials: one broken.
4. MMW-P-05: MEE vials: one broken.
5. MMW-P-12S: ~~VFA~~ MEE vials: one broken.
6. MMW-P-13S: VFA vials: one broken.
7. Received 4 vials for MEE & 4 vials for VFA (marked MS & MSD) with time & date of Sample MMW-9S but without sample ID on. Just wanted to make sure they are MS & MSD for this sample.
8. Received vials (one broken) for VFA for sample MMW-P-04 but COC did not mark as VFA is needed for this sample.

ACTION TAKEN:

Client name: Sarah Webb Date: 10/27/11 Time: 1400

emailed client

10/27 7. samples are for sample MMW-9S. as per attached email ok to proceed

10/31 8. Emailed client about #8.

10/31 - please add VFA analysis to sample MMW-P-04

11/2/11 - Per Mark Breting (in Sarah's absence) ok to analyze and report sample MMW-P-03D out of hold. RR 11/2/11

Customer Service Initials: JS Date: 10/27/11

JS 10/31/11

3/12

Julianne Sproull

From: Sarah Webb [SWEBB@MUNDELLASSOCIATES.COM]
Sent: Monday, October 31, 2011 9:58 AM
To: Julianne Sproull
Cc: Andy Dammeyer
Subject: RE: MI Plaza / M01046

Yes, please. Sorry for the confusion.
Sarah

From: Julianne Sproull [mailto:jsproull@microseeps.com]
Sent: Monday, October 31, 2011 8:59 AM
To: Sarah Webb
Subject: RE: MI Plaza / M01046

Hi Sarah,

I have one more question for you in regards to this project. For sample MMW-P-04 we received vials for VFA (one of which was broken as you are already aware) but the COC does not indicate that VFA is needed for this sample. Are we running VFA on this sample?

Juli Sproull

Microseeps, Inc.
William Pitt Way
Pittsburgh PA 15238
412-826-5245 (Phone)
412-826-3433 (Fax)

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From: Sarah Webb [mailto:SWEBB@MUNDELLASSOCIATES.COM]
Sent: Thursday, October 27, 2011 1:58 PM
To: Julianne Sproull
Subject: RE: MI Plaza / M01046

Thanks!

From: Julianne Sproull [mailto:jsproull@microseeps.com]
Sent: Thursday, October 27, 2011 1:57 PM
To: Sarah Webb
Subject: RE: MI Plaza / M01046

Yes we have sufficient sample to complete the analyses there just will not be backups in case something happens.

Juli Sproull

Microseeps, Inc.
William Pitt Way
Pittsburgh PA 15238
412-826-5245 (Phone)
412-826-3433 (Fax)

3/12

From: Sarah Webb [mailto:SWEBB@MUNDELLASSOCIATES.COM]
Sent: Thursday, October 27, 2011 1:54 PM
To: Julianne Sproull
Subject: RE: MI Plaza / M01046

Is there sufficient sample volume to complete the analyses?

Yes, as labeled on the COC, the MS/MSD are from sampling location MMW-9S.

From: Julianne Sproull [mailto:jsproull@microseeps.com]
Sent: Thursday, October 27, 2011 1:52 PM
To: Sarah Webb
Subject: MI Plaza / M01046

We received your samples today and had a few concerns:

1. MMW-8S MEE vials: 1 vial was broken leaving only one for analysis
2. MMW-P-02 MEE vials: 1 vial was broken leaving only one for analysis
3. MMW-P-04 VFA vials : 1 vial was broken
4. MMW-P-05 MEE vials: 1 vial was broken
5. MMW-P-12S: MEE vials: 1 vial was broken
6. MMW-P-13S: VFA vials: 1 vial was broken
7. We received 4 vials for MEE and 4 vials for VFA (marked MS and MSD) that had the same time and date of sample MMW-9S but without any sample ID on them. Are they the MS and MSD for sample MMW-9S?

Please advise how to proceed.

Juli Sproull

Microseeps, Inc.
William Pitt Way
Pittsburgh PA 15238
412-826-5245 (Phone)
412-826-3433 (Fax)

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Plaza

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	Perchloroethylene (PCE)											
	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4
	(ppmv)				(ppm)				(μg/m^3)			
9/21/2006	0.6300	0.7900	0.6700	0.2800	0.0043	0.0054	0.0046	0.0019	4281.48	5368.84	4553.32	1902.88
10/6/2006	0.8800	0.6700	0.9700	0.3100	0.0060	0.0046	0.0066	0.0021	5980.48	4553.32	6592.12	2106.76
10/13/2006	0.6800	0.3600	0.5200	0.2100	0.0046	0.0024	0.0035	0.0014	4621.28	2446.56	3533.92	1427.16
10/20/2006	0.8700	0.5500	0.8900	0.2200	0.0059	0.0037	0.0060	0.0015	5912.52	3737.80	6048.44	1495.12
11/17/2006	0.8100	0.4700	0.7800	0.1500	0.0055	0.0032	0.0053	0.0010	5504.76	3194.12	5300.88	1019.40
12/27/2006	0.7400	0.4700	0.7500	0.1100	0.0050	0.0032	0.0051	0.0007	5029.04	3194.12	5097.00	747.56
3/30/2007	0.5100	0.1800	0.5700	0.0310	0.0035	0.0012	0.0039	0.0002	3465.96	1223.28	3873.72	210.68
6/15/2007	*0.0050*	0.3100	0.2100	0.4600	0.0000	0.0021	0.0014	0.0031	33.98	2106.76	1427.16	3126.16
10/16/2007	0.3900	0.2400	0.2800	0.0670	0.0027	0.0016	0.0019	0.0005	2650.44	1631.04	1902.88	455.33
12/14/2007	0.5800	0.3400	0.5200	0.1400	0.0039	0.0023	0.0035	0.0010	3941.68	2310.64	3533.92	951.44
3/27/2008	0.5500	NS	0.5600	0.0740	0.0037	NS	0.0038	0.0005	3737.80	NS	3805.76	502.90
4/1/2008	NS	0.3600	NS	NS	NS	0.0024	NS	NS	NS	2446.56	NS	NS
6/2/2008	0.7200	0.5600	0.4900	0.1000	0.0049	0.0038	0.0033	0.0007	4893.12	3805.76	3330.04	679.60
9/12/2008	0.4800	0.4700	0.5300	0.1300	0.0033	0.0032	0.0036	0.0009	3262.08	3194.12	3601.88	883.48
11/26/2008	0.4600	NS	0.3600	0.1100	0.0031	NS	0.0024	0.0007	3126.16	NS	2446.56	747.56
3/24/2009	0.4500	NS	0.5500	*0.0050*	0.0031	NS	0.0037	*0.00003*	3058.20	NS	3737.80	33.98
6/15/2009	0.4300	NS	0.4200	0.0200	0.0029	NS	0.0029	0.0001	2922.28	NS	2854.32	135.92
8/21/2009	0.3600	0.1600	0.4700	0.0140	0.0024	0.0011	0.0032	0.0001	2446.56	1087.36	3194.12	95.14
11/5/2009	0.3300	0.1400	0.4100	*0.0050*	0.0022	0.0010	0.0028	*0.00003*	2242.68	951.44	2786.36	33.98
2/5/2010	0.1600	0.0370	0.1400	0.0120	0.0011	0.0003	0.0010	0.0001	1087.36	251.45	951.44	81.55
4/23/2010	0.1300	NS	NS	0.0170	0.0009	NS	NS	0.0001	883.48	NS	NS	115.53
5/6/2010	NS	0.1500	0.2500	NS	NS	0.0010	0.0017	NS	NS	1019.40	1699.00	NS
7/23/2010	0.1500	0.1900	0.1200	*0.0050*	0.0010	0.0013	0.0008	*0.00003*	1019.40	1291.24	815.52	*33.98*
10/13/2010	NS	NS	NS	*0.0050*	NS	NS	NS	*0.00003*	NS	NS	NS	*33.98*
10/15/2010	0.0940	0.0650	*0.0050*	NS	0.0006	0.0004	*0.0000*	NS	638.82	441.74	*33.98*	NS
1/21/2011	0.1400	0.0270	NS	*0.0050*	0.0010	0.0002	NS	*0.00003*	951.44	183.49	NS	*33.98*
4/8/2011	NS	NS	0.2100	NS	NS	NS	0.0014	NS	NS	NS	1427.16	NS
5/11/2011	0.2200	0.2700	0.2100	0.0230	0.0015	0.0018	0.0014	0.0002	1495.12	1834.92	1427.16	156.31
7/29/2011	0.0660	0.1700	0.1100	*0.0050*	0.0004	0.0012	0.0007	*0.00003*	448.54	1155.32	747.56	*33.98*
10/25/2011	0.1100	0.1200	0.0530	*0.0050*	0.0007	0.0008	0.0004	*0.00003*	747.56	815.52	360.19	*33.98*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Plaza

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	Trichloroethylene (TCE)											
	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4
	(ppmv)				(ppm)				(µg/m^3)			
9/21/2006	0.0240	0.0120	*0.0050*	*0.0050*	0.0001	0.0001	*0.00003*	*0.00003*	129.24	64.62	*26.93*	*26.93*
10/6/2006	0.0120	*0.0050*	*0.0050*	*0.0050*	0.0001	*0.00003*	*0.00003*	*0.00003*	64.62	*26.93*	*26.93*	*26.93*
10/13/2006	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
10/20/2006	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
11/17/2006	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
12/27/2006	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
3/30/2007	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
6/15/2007	0.4600	*0.0050*	*0.0050*	*0.0050*	0.0025	*0.00003*	*0.00003*	*0.00003*	2,477.10	*26.93*	*26.93*	*26.93*
10/16/2007	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
12/14/2007	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
3/27/2008	*0.0050*	NS	*0.0050*	*0.0050*	*0.00003*	NS	*0.00003*	*0.00003*	*26.93*	NS	*26.93*	*26.93*
4/1/2008	NS	*0.0050*	NS	NS	NS	*0.0000*	NS	NS	NS	*26.93*	NS	NS
6/2/2008	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
9/12/2008	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
11/26/2008	*0.0050*	NS	*0.0050*	*0.0050*	*0.00003*	NS	*0.00003*	*0.00003*	*26.93*	NS	*26.93*	*26.93*
3/24/2009	*0.0050*	NS	*0.0050*	*0.0050*	*0.00003*	NS	*0.00003*	*0.00003*	*26.93*	NS	*26.93*	*26.93*
6/15/2009	*0.0050*	NS	*0.0050*	*0.0050*	*0.00003*	NS	*0.00003*	*0.00003*	*26.93*	NS	*26.93*	*26.93*
8/21/2009	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
11/5/2009	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
2/5/2010	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
4/23/2010	*0.0050*	NS	NS	*0.0050*	*0.00003*	NS	NS	*0.00003*	*26.93*	NS	NS	*26.93*
5/6/2010	NS	*0.0050*	*0.0050*	NS	NS	*0.00003*	*0.00003*	NS	NS	*26.93*	*26.93*	NS
7/23/2010	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
10/13/2010	NS	NS	NS	*0.0050*	NS	NS	NS	*0.00003*	NS	NS	NS	*26.93*
10/15/2010	*0.0050*	*0.0050*	*0.0050*	NS	*0.00003*	*0.00003*	*0.00003*	NS	*26.93*	*26.93*	*26.93*	NS
1/21/2011	*0.0050*	*0.0050*	NS	*0.0050*	*0.00003*	*0.00003*	NS	*0.00003*	*26.93*	*26.93*	NS	*26.93*
4/8/2011	NS	NS	0.0050	NS	NS	NS	0.00003	NS	NS	NS	26.93	NS
5/11/2011	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
7/29/2011	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
10/25/2011	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Plaza

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	Vinyl Chloride											
	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4
	(ppmv)				(ppm)				($\mu g/m^3$)			
9/21/2006	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
10/6/2006	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
10/13/2006	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
10/20/2006	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
11/17/2006	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
12/27/2006	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
3/30/2007	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
6/15/2007	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
10/16/2007	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
12/14/2007	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
3/27/2008	*0.0150*	NS	*0.0150*	*0.0150*	*0.00004*	NS	*0.00004*	*0.00004*	*38.42*	NS	*38.42*	*38.42*
4/1/2008	NS	*0.0150*	NS	NS	NS	*0.00004*	NS	NS	NS	*38.42*	NS	NS
6/2/2008	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
9/12/2008	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
11/26/2008	*0.0150*	NS	*0.0150*	*0.0150*	*0.00004*	NS	*0.00004*	*0.00004*	*38.42*	NS	*38.42*	*38.42*
3/24/2009	*0.0150*	NS	*0.0150*	*0.0150*	*0.00004*	NS	*0.00004*	*0.00004*	*38.42*	NS	*38.42*	*38.42*
6/15/2009	*0.0150*	NS	*0.0150*	*0.0150*	*0.00004*	NS	*0.00004*	*0.00004*	*38.42*	NS	*38.42*	*38.42*
8/21/2009	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
11/5/2009	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
2/5/2010	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
4/23/2010	*0.0150*	NS	NS	*0.0150*	*0.00004*	NS	NS	*0.00004*	*38.42*	NS	NS	*38.42*
5/6/2010	NS	*0.0150*	*0.0150*	NS	NS	*0.00004*	*0.00004*	NS	NS	*38.42*	*38.42*	NS
7/23/2010	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
10/13/2010	NS	NS	NS	*0.0150*	NS	NS	NS	*0.00004*	NS	NS	NS	*38.42*
10/15/2010	*0.0150*	*0.0150*	*0.0150*	NS	*0.00004*	*0.00004*	*0.00004*	NS	*38.42*	*38.42*	*38.42*	NS
1/21/2011	*0.0150*	*0.0150*	NS	*0.0150*	*0.00004*	*0.00004*	NS	*0.00004*	*38.42*	*38.42*	NS	*38.42*
4/8/2011	NS	NS	*0.0150*	NS	NS	NS	*0.00004*	NS	NS	NS	38.42	NS
5/11/2011	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
7/29/2011	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
10/25/2011	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Plaza

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	cis-1,2-Dichloroethylene											
	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4
	(ppmv)				(ppm)				(µg/m^3)			
9/21/2006	0.1400	*0.0100*	*0.0100*	*0.0100*	0.0006	*0.00004*	*0.00004*	*0.00004*	556.22	*39.73*	*39.73*	*39.73*
10/6/2006	0.0300	*0.0100*	*0.0100*	*0.0100*	0.0001	*0.00004*	*0.00004*	*0.00004*	119.19	*39.73*	*39.73*	*39.73*
10/13/2006	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
10/20/2006	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
11/17/2006	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
12/27/2006	0.0240	*0.0100*	*0.0100*	*0.0100*	0.0001	*0.00004*	*0.00004*	*0.00004*	95.35	*39.73*	*39.73*	*39.73*
3/30/2007	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
6/15/2007	0.2100	*0.0100*	*0.0100*	*0.0100*	0.0008	*0.00004*	*0.00004*	*0.00004*	834.33	*39.73*	*39.73*	*39.73*
10/16/2007	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
12/14/2007	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
3/27/2008	0.0340	NS	*0.0100*	*0.0100*	0.0001	NS	*0.00004*	*0.00004*	135.08	NS	*39.73*	*39.73*
4/1/2008	NS	*0.0100*	NS	NS	NS	*0.00004*	NS	NS	NS	*39.73*	NS	NS
6/2/2008	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
9/12/2008	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
11/26/2008	*0.0100*	NS	*0.0100*	*0.0100*	*0.00004*	NS	*0.00004*	*0.00004*	*39.73*	NS	*39.73*	*39.73*
3/24/2009	*0.0100*	NS	*0.0100*	*0.0100*	*0.00004*	NS	*0.00004*	*0.00004*	*39.73*	NS	*39.73*	*39.73*
6/15/2009	*0.0100*	NS	*0.0100*	*0.0100*	*0.00004*	NS	*0.00004*	*0.00004*	*39.73*	NS	*39.73*	*39.73*
8/21/2009	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
11/5/2009	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
2/5/2010	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
4/23/2010	*0.0100*	NS	NS	*0.0100*	*0.00004*	NS	NS	*0.00004*	*39.73*	NS	NS	*39.73*
5/6/2010	NS	*0.0100*	*0.0100*	NS	NS	*0.00004*	*0.00004*	NS	NS	*39.73*	*39.73*	NS
7/23/2010	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
10/13/2010	NS	NS	NS	*0.0100*	NS	NS	NS	*0.00004*	NS	NS	NS	*39.73*
10/15/2010	*0.0100*	*0.0100*	*0.0100*	NS	*0.00004*	*0.00004*	*0.00004*	NS	*39.73*	*39.73*	*39.73*	NS
1/21/2011	*0.0100*	*0.0100*	NS	*0.0100*	*0.00004*	*0.00004*	NS	*0.00004*	*39.73*	*39.73*	NS	*39.73*
4/8/2011	NS	NS	0.0500	NS	NS	NS	0.0002	NS	NS	NS	198.65	NS
5/11/2011	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
7/29/2011	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
10/25/2011	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Meadows Apartments

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	Perchloroethylene (PCE)								
	B-5	B-6	B-7	B-5	B-6	B-7	B-5	B-6	B-7
	(ppmv)			(ppm)			($\mu g/m^3$)		
3/27/2008	0.1300	1.2000	NS	0.0009	0.0082	NS	883.48	8155.20	NS
3/28/2008	0.0730	0.4900	NS	0.0005	0.0033	NS	496.11	3330.04	NS
4/7/2008	NS	NS	0.0760	NS	NS	0.0005	NS	NS	516.50
4/8/2008	NS	NS	0.0470	NS	NS	0.0003	NS	NS	319.41
4/24/2008	0.0540	0.1100	0.0220	0.0004	0.0007	0.0001	366.98	747.56	149.51
5/1/2008	0.0580	0.2100	0.0390	0.0004	0.0014	0.0003	394.17	1427.16	265.04
6/2/2008	0.0590	0.2200	0.0530	0.0004	0.0015	0.0004	400.96	1495.12	360.19
7/10/2008	0.0650	NS	0.0540	0.0004	NS	0.0004	441.74	NS	366.98
8/20/2008	NS	0.2700	NS	NS	0.0018	NS	NS	1834.92	NS
9/12/2008	0.0690	0.1800	0.0540	0.0005	0.0012	0.0004	468.92	1223.28	366.98
11/26/2008	0.0720	0.1100	0.0560	0.0005	0.0007	0.0004	489.31	747.56	380.58
3/24/2009	0.2100	0.1300	0.0590	0.0014	0.0009	0.0004	1427.16	883.48	400.96
6/15/2009	0.0580	0.0840	*0.0050*	0.0004	0.0006	*0.00003*	394.17	570.86	*33.98*
8/21/2009	0.0630	0.0710	*0.0050*	0.0004	0.0005	*0.00003*	428.15	482.52	*33.98*
11/5/2009	0.1300	0.1100	*0.0050*	0.0009	0.0007	*0.00003*	883.48	747.56	*33.98*
2/5/2010	0.0220	0.0800	*0.0050*	0.0001	0.0005	*0.00003*	149.51	543.68	*33.98*
2/6/2010	0.0220	0.0800	*0.0050*	0.0001	0.0005	*0.00003*	149.51	543.68	*33.98*
4/23/2010	0.0120	NS	*0.0050*	0.0001	NS	*0.00003*	81.55	NS	*33.98*
5/12/2010	NS	0.1300	NS	NS	0.0009	NS	NS	883.48	NS
7/23/2010	0.0270	0.1000	*0.0050*	0.0002	0.0007	*0.00003*	183.49	679.60	*33.98*
10/15/2010	0.0150	0.0190	*0.0050*	0.0001	0.0001	*0.00003*	101.94	129.12	*33.98*
1/21/2011	0.0330	0.0490	*0.0050*	0.0002	0.0003	*0.00003*	224.27	333.00	*33.98*
5/11/2011	0.0580	0.0610	*0.0050*	0.0004	0.0004	*0.00003*	394.17	414.56	*33.98*
7/29/2011	0.0220	0.0210	*0.0050*	0.0001	0.0001	*0.00003*	149.51	142.72	*33.98*
10/25/2011	0.0300	0.0250	*0.0050*	0.0002	0.0002	*0.00003*	203.88	169.90	*33.98*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Meadows Apartments

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	Trichloroethylene (TCE)								
	B-5	B-6	B-7	B-5	B-6	B-7	B-5	B-6	B-7
	(ppmv)			(ppm)			($\mu g/m^3$)		
3/27/2008	*0.0050*	*0.0050*	NS	*0.00003*	*0.00003*	NS	*26.93*	*26.93*	NS
3/28/2008	*0.0050*	*0.0050*	NS	*0.00003*	*0.00003*	NS	*26.93*	*26.93*	NS
4/7/2008	NS	NS	*0.0050*	NS	NS	*0.00003*	NS	NS	*26.93*
4/8/2008	NS	NS	*0.0050*	NS	NS	*0.00003*	NS	NS	*26.93*
4/24/2008	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
5/1/2008	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
6/2/2008	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
7/10/2008	*0.0050*	NS	*0.0050*	*0.00003*	NS	*0.00003*	*26.93*	NS	*26.93*
8/20/2008	NS	*0.0050*	NS	NS	*0.00003*	NS	NS	*26.93*	NS
9/12/2008	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
11/26/2008	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
3/24/2009	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
6/15/2009	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
8/21/2009	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
11/5/2009	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
2/5/2010	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
2/6/2010	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
4/23/2010	*0.0050*	NS	*0.0050*	*0.00003*	NS	*0.00003*	*26.93*	NS	*26.93*
5/12/2010	NS	*0.0050*	NS	NS	*0.00003*	NS	NS	*26.93*	NS
7/23/2010	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
10/15/2010	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
1/21/2011	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
5/11/2011	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
7/29/2011	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
10/25/2011	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Meadows Apartments

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	Vinyl Chloride								
	B-5	B-6	B-7	B-5	B-6	B-7	B-5	B-6	B-7
	(ppmv)			(ppm)			($\mu g/m^3$)		
3/27/2008	*0.0150*	*0.0150*	NS	*0.00004*	*0.00004*	NS	*38.42*	*38.42*	NS
3/28/2008	*0.0150*	*0.0150*	NS	*0.00004*	*0.00004*	NS	*38.42*	*38.42*	NS
4/7/2008	NS	NS	*0.0150*	NS	NS	*0.00004*	NS	NS	*38.42*
4/8/2008	NS	NS	*0.0150*	NS	NS	*0.00004*	NS	NS	*38.42*
4/24/2008	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
5/1/2008	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
6/2/2008	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
7/10/2008	*0.0150*	NS	*0.0150*	*0.00004*	NS	*0.00004*	*38.42*	NS	38.42
8/20/2008	NS	*0.0150*	NS	NS	*0.00004*	NS	NS	*38.42*	NS
9/12/2008	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
11/26/2008	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
3/24/2009	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
6/15/2009	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
8/21/2009	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
11/5/2009	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
2/5/2010	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
2/6/2010	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
4/23/2010	*0.0150*	NS	*0.0150*	*0.00004*	NS	*0.00004*	*38.42*	NS	*38.42*
5/12/2010	NS	*0.0150*	NS	NS	*0.00004*	NS	NS	*38.42*	NS
7/23/2010	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
10/15/2010	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
1/21/2011	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
5/11/2011	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
7/29/2011	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
10/25/2011	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Meadows Apartments

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	cis-1,2-Dichloroethylene								
	B-5	B-6	B-7	B-5	B-6	B-7	B-5	B-6	B-7
	(ppmv)			(ppm)			($\mu g/m^3$)		
3/27/2008	*0.0100*	*0.0100*	NS	*0.00004*	*0.00004*	NS	*39.73*	*39.73*	NS
3/28/2008	*0.0100*	*0.0100*	NS	*0.00004*	*0.00004*	NS	*39.73*	*39.73*	NS
4/7/2008	NS	NS	*0.0100*	NS	NS	*0.00004*	NS	NS	*39.73*
4/8/2008	NS	NS	*0.0100*	NS	NS	*0.00004*	NS	NS	*39.73*
4/24/2008	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
5/1/2008	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
6/2/2008	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
7/10/2008	*0.0100*	NS	*0.0100*	*0.00004*	NS	*0.00004*	*39.73*	NS	*39.73*
8/20/2008	NS	*0.0100*	NS	NS	*0.00004*	NS	NS	39.73	NS
9/12/2008	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
11/26/2008	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
3/24/2009	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
6/15/2009	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
8/21/2009	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
11/5/2009	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
2/5/2010	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
2/6/2010	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
4/23/2010	*0.0100*	NS	*0.0100*	*0.00004*	NS	*0.00004*	*39.73*	NS	*39.73*
5/12/2010	NS	*0.0100*	NS	NS	*0.00004*	NS	NS	*39.73*	NS
7/23/2010	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
10/15/2010	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
1/21/2011	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
5/11/2011	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
7/29/2011	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
10/25/2011	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

Lab Data for Air Mitigation System B-1
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

B-1 (Lab Data)

Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m3 PCE	Lbs. PCE removed	µg/m3 TCE	Lbs. TCE removed	µg/m3 VC	Lbs. VC removed	µg/m3 cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed (ug/m3)	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed
9/21/2006	0.5	73	2,190	4,281	0.00	129	0.00	38	0.00	556	0.00	0.00	0.00	0.00
10/6/2006	360	73	1,576,800	5,980	0.59	65	0.01	38	0.00	119	0.01	0.61	0.59	0.61
10/13/2006	168	73	735,840	4,621	0.21	27	0.00	38	0.00	40	0.00	0.22	0.80	0.83
10/20/2006	168	73	735,840	5,913	0.27	27	0.00	38	0.00	40	0.00	0.28	1.07	1.10
11/17/2006	672	73	2,943,360	5,505	1.01	27	0.00	38	0.01	40	0.01	1.03	2.08	2.13
12/27/2006	960	73	4,204,800	5,029	1.32	27	0.01	38	0.01	95	0.03	1.36	3.40	3.50
3/30/2007	2,232	73	9,776,160	3,466	2.11	27	0.02	38	0.02	40	0.02	2.18	5.52	5.67
6/15/2007	1,848	73	8,094,240	34	0.02	2,477	1.25	38	0.02	834	0.42	1.71	5.53	7.38
10/16/2007	2,952	73	12,929,760	2,650	2.14	27	0.02	38	0.03	40	0.03	2.22	7.67	9.60
12/14/2007	1,416	73	6,202,080	3,942	1.52	27	0.01	38	0.01	40	0.02	1.57	9.20	11.17
3/27/2008	2,496	73	10,932,480	3,738	2.55	27	0.02	38	0.03	135	0.09	2.69	11.74	13.86
6/2/2008	1,608	73	7,043,040	4,893	2.15	27	0.01	38	0.02	40	0.02	2.20	13.89	16.05
9/12/2008	2,448	73	10,722,240	3,262	2.18	27	0.02	38	0.03	40	0.03	2.25	16.08	18.30
11/26/2008	1,800	73	7,884,000	3,126	1.54	27	0.01	38	0.02	40	0.02	1.59	17.61	19.89
3/24/2009	2,832	73	12,404,160	3,058	2.37	27	0.02	38	0.03	40	0.03	2.45	19.98	22.34
6/15/2009	1,992	73	8,724,960	2,922	1.59	27	0.01	38	0.02	40	0.02	1.65	21.57	23.99
8/21/2009	1,608	73	7,043,040	2,447	1.07	27	0.01	38	0.02	40	0.02	1.12	22.65	25.11
11/5/2009	1,824	73	7,989,120	2,243	1.12	27	0.01	38	0.02	40	0.02	1.17	23.76	26.28
2/5/2010	2,208	73	9,671,040	1,087	0.66	27	0.02	38	0.02	40	0.02	0.72	24.42	27.00
4/23/2010	1,848	55	6,098,400	883	0.34	27	0.01	38	0.01	40	0.02	0.38	24.75	27.37
7/23/2010	2,184	55	7,207,200	1,019	0.46	27	0.01	38	0.02	40	0.02	0.51	25.21	27.88
10/15/2010	2,016	73	8,830,080	639	0.35	27	0.01	38	0.02	40	0.02	0.41	25.57	28.29
1/21/2011	2,352	55	7,761,600	951	0.46	27	0.01	38	0.02	40	0.02	0.51	26.03	28.80
5/11/2011	2,640	73	11,563,200	1,495	1.08	27	0.02	38	0.03	40	0.03	1.15	27.10	29.95
7/29/2011	4,536	73	19,867,680	449	0.56	27	0.03	38	0.05	40	0.05	0.69	27.66	30.64
10/25/2011	4,008	55	13,226,400	748	0.62	27	0.02	38	0.03	40	0.03	0.70	28.28	31.34
TOTALS:	**49,176**		**204,169,710**		**28.28**		**1.58**		**0.49**		**0.99**	**31.34**		

B-1 (PID Readings)

Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m3 VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
11/17/2006	672	73	2,943,360	0.1	1,483	0.27	0.27
12/27/2006	960	73	4,204,800	0.0	1,296	0.34	0.61
6/15/2007	4,080	73	17,870,400	0.1	1,483	1.65	2.26
10/16/2007	2,952	73	12,929,760	0.1	1,483	1.20	3.46
12/14/2007	1,416	73	6,202,080	0.1	1,483	0.57	4.03
6/2/2008	4,104	73	17,975,520	2.2	5,401	6.06	10.09
9/12/2008	2,448	73	10,722,240	0.3	1,856	1.24	11.33
11/26/2008	1,800	73	7,884,000	0.1	1,483	0.73	12.06
8/21/2009	6,432	73	28,172,160	3.8	8,387	14.74	26.80
11/5/2009	1,824	73	7,989,120	2.1	5,215	2.60	29.40
2/5/2010	2,208	73	9,671,040	2.3	5,588	3.37	32.77
5/6/2010	2,160	55	7,128,000	2.2	5,401	2.40	35.17
10/15/2010	3,888	73	17,029,440	2.0	5,028	5.34	40.51
1/21/2011	2,352	55	7,761,600	1.9	4,841	2.34	42.86
5/11/2011	2,640	73	11,563,200	1.9	4,841	3.49	46.35
7/29/2011	1,896	73	8,304,480	1.1	3,349	1.73	48.08
10/25/2011	2,112	55	6,969,600	2.1	5,215	2.27	50.35
TOTALS:	**43,944**		**185,320,800**			**50.35**	

Lab Data for Air Mitigation System B-2
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

B-2 (Lab Data)

Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m3 PCE	Lbs. PCE removed	µg/m3 TCE	Lbs. TCE removed	µg/m3 VC	Lbs. VC removed	µg/m3 cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed
9/21/2006	0.5	37	1,110	5,369	0.00	65	0.00	38	0.00	40	0.00	0.00	0.00	0.00
10/6/2006	360	37	799,200	4,553	0.23	27	0.00	38	0.00	40	0.00	0.23	0.23	0.23
10/13/2006	168	37	372,960	2,447	0.06	27	0.00	38	0.00	40	0.00	0.06	0.28	0.29
10/20/2006	168	37	372,960	3,738	0.09	27	0.00	38	0.00	40	0.00	0.09	0.37	0.38
11/17/2006	672	37	1,491,840	3,194	0.30	27	0.00	38	0.00	40	0.00	0.31	0.67	0.69
12/27/2006	960	37	2,131,200	3,194	0.42	27	0.00	38	0.01	40	0.01	0.44	1.09	1.13
3/30/2007	2,232	38	5,088,960	1,223	0.39	27	0.01	38	0.01	40	0.01	0.42	1.48	1.55
6/15/2007	1,848	42	4,656,960	2,107	0.61	27	0.01	38	0.01	40	0.01	0.64	2.09	2.19
10/16/2007	2,952	48	8,501,760	1,631	0.86	27	0.01	38	0.02	40	0.02	0.92	2.96	3.11
12/14/2007	1,416	53	4,502,880	2,311	0.65	27	0.01	38	0.01	40	0.01	0.68	3.61	3.79
4/1/2008	2,616	50	7,848,000	2,447	1.20	27	0.01	38	0.02	40	0.02	1.25	4.81	5.04
6/2/2008	1,488	42	3,705,120	3,806	0.88	27	0.01	38	0.01	40	0.01	0.90	5.68	5.94
9/12/2008	2,448	37	5,434,560	3,194	1.08	27	0.01	38	0.01	40	0.01	1.12	6.77	7.06
8/21/2009	1,440	37	3,196,800	1,087	0.22	27	0.01	38	0.01	40	0.01	0.24	6.98	7.30
11/5/2009	1,824	37	4,049,280	951	0.24	27	0.01	38	0.01	40	0.01	0.27	7.22	7.57
2/5/2010	2,208	55	7,286,400	251	0.11	27	0.01	38	0.02	40	0.02	0.16	7.34	7.73
5/6/2010	2,160	37	4,795,200	1,019	0.30	27	0.01	38	0.01	40	0.01	0.34	7.64	8.06
7/23/2010	1,872	37	4,155,840	1,291	0.33	27	0.01	38	0.01	40	0.01	0.36	7.98	8.43
10/15/2010	2,016	55	6,652,800	442	0.18	27	0.01	38	0.02	40	0.02	0.23	8.16	8.65
1/21/2011	4,368	55	14,414,400	183	0.16	27	0.02	38	0.03	40	0.04	0.26	8.33	8.91
5/11/2011	2,640	37	5,860,800	1,835	0.67	27	0.01	38	0.01	40	0.01	0.71	9.00	9.62
7/29/2011	4,536	37	10,069,920	1,155	0.73	27	0.02	38	0.02	40	0.02	0.79	9.72	10.41
10/25/2011	4,008	37	8,897,760	816	0.45	27	0.01	38	0.02	40	0.02	0.51	10.18	10.93
TOTALS:	**44,401**		**114,286,710**		**10.18**		**0.19**		**0.27**		**0.28**	**10.93**		

B-2 (PID Readings)

Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m3 VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
11/17/2006	672.0	37	1,491,840	0.1	1,483	0.14	0.14
12/27/2006	960	37	2,131,200	0.1	1,483	0.20	0.34
6/15/2007	4,080	37	9,057,600	0.1	1,483	0.84	1.17
10/16/2007	2,952	37	6,553,440	0.1	1,483	0.61	1.78
12/14/2007	1,416	55	4,672,800	0.1	1,483	0.43	2.21
6/2/2008	4,104	132	32,503,680	1.5	4,095	8.30	10.51
9/12/2008	2,448	37	5,434,560	0.5	2,229	0.76	11.27
8/21/2009	8,232	55	27,165,600	2.4	5,774	9.79	21.05
11/5/2009	1,824	94	10,287,360	1.6	4,282	2.75	23.80
2/5/2010	2,208	55	7,286,400	0.6	2,416	1.10	24.90
5/6/2010	2,160	37	4,795,200	1.4	3,908	1.17	26.07
10/15/2010	3,888	55	12,830,400	3.2	7,267	5.82	31.89
1/21/2011	2,352	55	7,761,600	1.4	3,908	1.89	33.78
5/11/2011	2,640	37	5,860,800	1.6	4,282	1.57	35.34
7/29/2011	1,896	37	4,209,120	1.7	4,468	1.2	36.52
10/25/2011	2,112	37	4,688,640	1.9	4,841	1.4	37.93
TOTALS:	**43,944**		**146,730,240**			**37.93**	

Lab Data for Air Mitigation System B-3
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

B-3 (Lab Data)

Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m3 PCE	Lbs. PCE removed	µg/m3 TCE	Lbs. TCE removed	µg/m3 VC	Lbs. VC removed	µg/m3 cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed
9/21/2006	0.5	132	3,960	4,553	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00
10/6/2006	360	132	2,851,200	6,592	1.17	27	0.00	38	0.01	40	0.01	1.19	1.17	1.19
10/13/2006	168	132	1,330,560	3,534	0.29	27	0.00	38	0.00	40	0.00	0.30	1.47	1.49
10/20/2006	168	132	1,330,560	6,048	0.50	27	0.00	38	0.00	40	0.00	0.51	1.97	2.01
11/17/2006	672	132	5,322,240	5,301	1.76	27	0.01	38	0.01	40	0.01	1.79	3.73	3.80
12/27/2006	960	132	7,603,200	5,097	2.42	27	0.01	38	0.02	40	0.02	2.47	6.15	6.27
3/30/2007	2,232	132	17,677,440	3,874	4.27	27	0.03	38	0.04	40	0.04	4.39	10.42	10.65
6/15/2007	1,848	132	14,636,160	1,427	1.30	27	0.02	38	0.04	40	0.04	1.40	11.72	12.05
10/16/2007	2,952	132	23,379,840	1,903	2.78	27	0.04	38	0.06	40	0.06	2.93	14.50	14.98
12/14/2007	1,416	132	11,214,720	3,534	2.47	27	0.02	38	0.03	40	0.03	2.55	16.97	17.53
3/27/2008	2,496	132	19,768,320	3,806	4.69	27	0.03	38	0.05	40	0.05	4.82	21.66	22.35
6/2/2008	1,608	132	12,735,360	3,330	2.65	27	0.02	38	0.03	40	0.03	2.73	24.31	25.08
9/12/2008	2,448	132	19,388,160	3,602	4.36	27	0.03	38	0.05	40	0.05	4.48	28.66	29.56
11/26/2008	1,800	132	14,256,000	2,447	2.18	27	0.02	38	0.03	40	0.04	2.27	30.84	31.83
3/24/2009	2,832	132	22,429,440	3,738	5.23	27	0.04	38	0.05	40	0.06	5.38	36.07	37.21
6/15/2009	1,992	132	15,776,640	2,854	2.81	27	0.03	38	0.04	40	0.04	2.91	38.88	40.12
8/21/2009	1,608	132	12,735,360	3,194	2.54	27	0.02	38	0.03	40	0.03	2.62	41.41	42.74
11/5/2009	1,824	132	14,446,080	2,786	2.51	27	0.02	38	0.03	40	0.04	2.61	43.93	45.35
2/5/2010	2,208	132	17,487,360	951.44	1.04	26.93	0.03	38	0.04	40	0.04	1.15	44.96	46.50
5/6/2010	2,160	132	17,107,200	1,699	1.81	27	0.03	38	0.04	40	0.04	1.93	46.78	48.42
7/23/2010	1,872	132	14,826,240	816	0.75	27	0.02	38	0.04	40	0.04	0.85	47.53	49.28
10/15/2010	2,016	132	15,966,720	34	0.03	27	0.03	38	0.04	40	0.04	0.14	47.56	49.41
1/21/2011	4,368	132	34,594,560	NS	0.00	NS	0.00	NS	0.00	NS	0.00	0.00	47.56	49.41
4/8/2011	4,200	132	33,264,000	1,427	2.96	27	0.06	38	0.08	199	0.41	3.51	50.53	52.92
5/11/2011	2,640	132	20,908,800	1,427	1.86	27	0.04	38	0.05	40	0.05	2.00	52.39	54.92
7/29/2011	4,536	132	35,925,120	748	1.68	27	0.06	38	0.09	40	0.09	1.91	54.06	56.83
10/25/2011	4,800	132	38,016,000	360	0.85	27	0.06	38	0.09	40	0.09	1.10	54.92	57.94
TOTALS:	**56,185**		**444,981,240**		**54.92**		**0.69**		**0.98**		**1.35**	**57.94**		

B-3 (PID Readings)

Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m3 VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
11/17/2006	672	132	5,322,240	2.0	5,028	1.67	1.67
12/27/2006	960	132	7,603,200	0.1	1,483	0.70	2.37
6/15/2007	4,080	132	32,313,600	0.1	1,483	2.99	5.36
10/16/2007	2,952	132	23,379,840	0.1	1,483	2.16	7.52
12/14/2007	1,416	132	11,214,720	0.1	1,483	1.04	8.56
6/2/2008	4,104	55	13,543,200	1.2	3,535	2.99	11.55
9/12/2008	2,448	132	19,388,160	0.5	2,229	2.70	14.24
11/26/2008	1,800	132	14,256,000	0.8	2,789	2.48	16.72
8/21/2009	6,432	132	50,941,440	0.0	1,296	4.12	20.84
11/5/2009	1,824	132	14,446,080	1.8	4,655	4.19	25.04
2/5/2010	2,208	132	17,487,360	1.5	4,095	4.47	29.50
5/6/2010	2,160	132	17,107,200	1.7	4,468	4.77	34.27
10/15/2010	3,888	132	30,792,960	0.1	1,483	2.85	37.12
1/21/2011	6,240	132	49,420,800	1.4	3,908	12.05	49.17
4/8/2011	4,200	132	33,264,000	2.4	5,774	11.98	61.15
5/11/2011	2,640	132	20,908,800	1.2	3,535	4.61	65.76
7/29/2011	4,536	132	35,925,120	1.3	3,722	8.3	74.10
10/25/2011	4,800	132	38,016,000	1.5	4,095	9.7	83.81
TOTALS:	**57,360**		**435,330,720**			**83.81**	

Lab Data for Air Mitigation System B-4
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

B-4 (Lab Data)

Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m3 PCE	Lbs. PCE removed	µg/m3 TCE	Lbs. TCE removed	µg/m3 VC	Lbs. VC removed	µg/m3 cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed
9/21/2006	0.5	132	3,960	1,903	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00
10/6/2006	360	132	2,851,200	2,107	0.37	27	0.00	38	0.01	40	0.01	0.39	0.38	0.39
10/13/2006	168	132	1,330,560	1,427	0.12	27	0.00	38	0.00	40	0.00	0.13	0.49	0.52
10/20/2006	168	132	1,330,560	1,495	0.12	27	0.00	38	0.00	40	0.00	0.13	0.62	0.65
11/17/2006	672	132	5,322,240	1,019	0.34	27	0.01	38	0.01	40	0.01	0.37	0.96	1.03
12/27/2006	960	132	7,603,200	748	0.35	27	0.01	38	0.02	40	0.02	0.40	1.31	1.43
3/30/2007	2,232	130	17,342,640	211	0.23	27	0.03	38	0.04	40	0.04	0.34	1.54	1.77
6/15/2007	1,848	125	13,887,720	3,126	2.71	27	0.02	38	0.03	40	0.03	2.80	4.25	4.57
10/16/2007	2,952	128	22,627,080	455	0.64	27	0.04	38	0.05	40	0.06	0.79	4.89	5.36
12/14/2007	1,416	132	11,214,720	951	0.67	27	0.02	38	0.03	40	0.03	0.74	5.56	6.10
3/27/2008	2,496	128	19,094,400	503	0.60	27	0.03	38	0.05	40	0.05	0.72	6.15	6.83
6/2/2008	1,608	119	11,481,120	680	0.49	27	0.02	38	0.03	40	0.03	0.56	6.64	7.39
9/12/2008	2,448	132	19,388,160	883	1.07	27	0.03	38	0.05	40	0.05	1.20	7.71	8.58
11/26/2008	1,800	132	14,256,000	748	0.66	27	0.02	38	0.03	40	0.04	0.76	8.37	9.34
3/24/2009	2,832	132	22,429,440	34	0.05	27	0.04	38	0.05	40	0.06	0.19	8.42	9.54
6/15/2009	1,992	132	15,776,640	136	0.13	27	0.03	38	0.04	40	0.04	0.24	8.56	9.77
8/21/2009	1,608	132	12,735,360	95	0.08	27	0.02	38	0.03	40	0.03	0.16	8.63	9.93
11/5/2009	1,824	132	14,446,080	34	0.03	27	0.02	38	0.03	40	0.04	0.13	8.66	10.06
2/5/2010	2,208	132	17,487,360	82	0.09	27	0.03	38	0.04	40	0.04	0.20	8.75	10.26
4/23/2010	1,848	115	12,751,200	116	0.09	27	0.02	38	0.03	40	0.03	0.18	8.84	10.44
7/23/2010	2,184	115	15,069,600	34	0.03	27	0.03	38	0.04	40	0.04	0.13	8.87	10.57
10/13/2010	1,968	115	13,579,200	34	0.03	27	0.02	38	0.03	40	0.03	0.12	8.90	10.69
1/21/2011	2,400	132	19,008,000	34	0.04	27	0.03	38	0.05	40	0.05	0.16	8.94	10.85
5/11/2011	2,640	132	20,908,800	156	0.20	27	0.04	38	0.05	40	0.05	0.34	9.15	11.19
7/29/2011	4,536	115	31,298,400	34	0.07	27	0.05	38	0.07	40	0.08	0.27	9.21	11.46
10/25/2011	4,008	132	31,743,360	34	0.07	27	0.05	38	0.08	40	0.08	0.28	9.28	11.74
TOTALS:	**49,177**		**374,967,000**		**9.28**		**0.63**		**0.90**		**0.93**	**11.74**		

B-4 (PID Readings)

Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m3 VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
11/17/2006	672	132	5,322,240	0.1	1,483	0.49	0.49
12/27/2006	960	132	7,603,200	0.1	1,483	0.70	1.20
6/15/2007	4,080	132	32,313,600	0.1	1,483	2.99	4.18
10/16/2007	2,952	132	23,379,840	0.1	1,483	2.16	6.35
12/14/2007	1,416	132	11,214,720	0.1	1,483	1.04	7.38
3/29/2008	2,544	132	20,148,480	1.8	4,655	5.85	13.23
6/2/2008	1,560	132	12,355,200	0.3	1,856	1.43	14.66
9/12/2008	2,448	132	19,388,160	0.4	2,042	2.47	17.13
11/26/2008	1,800	132	14,256,000	0.1	1,483	1.32	18.45
8/21/2009	6,432	115	44,380,800	0.0	1,296	3.59	22.04
11/6/2009	1,848	132	14,636,160	0.4	2,042	1.86	23.90
2/5/2010	2,184	132	17,297,280	0.6	2,416	2.61	26.51
4/23/2010	1,848	115	12,751,200	0.9	2,975	2.37	28.88
10/15/2010	4,200	115	28,980,000	0.5	2,229	4.03	32.91
1/21/2011	2,352	132	18,627,840	0.2	1,669	1.94	34.85
5/11/2011	2,640	132	20,908,800	0.1	1,483	1.93	36.78
7/29/2011	4,536	115	31,298,400	0.4	2,042	4.0	40.77
10/25/2011	4,008	132	31,743,360	0.5	2,229	4.4	45.18
TOTALS:	**48,480**		**366,605,280**			**45.18**	

Lab Data for Air Mitigation System B-5
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

B-5 (Lab Data)

Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m3 PCE	Lbs. PCE removed	µg/m3 TCE	Lbs. TCE removed	µg/m3 VC	Lbs. VC removed	µg/m3 cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed
3/27/2008	0.5	130	3,900	883	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00
3/28/2008	24	127	182,880	496	0.01	27	0.00	38	0.00	40	0.00	0.01	0.01	0.01
4/24/2008	648	120	4,665,600	367	0.11	27	0.01	38	0.01	40	0.01	0.14	0.11	0.14
5/1/2008	168	115	1,159,200	394	0.03	27	0.00	38	0.00	40	0.00	0.04	0.14	0.18
6/2/2008	768	114	5,253,120	401	0.13	27	0.01	38	0.01	40	0.01	0.17	0.27	0.35
7/10/2008	912	115	6,292,800	442	0.17	27	0.01	38	0.02	40	0.02	0.21	0.45	0.56
9/12/2008	1,536	114	10,506,240	469	0.31	27	0.02	38	0.03	40	0.03	0.38	0.75	0.94
11/26/2008	1,800	113	12,204,000	489	0.37	27	0.02	38	0.03	40	0.03	0.45	1.13	1.39
3/24/2009	2,832	122	20,730,240	1,427	1.85	27	0.03	38	0.05	40	0.05	1.98	2.97	3.37
6/15/2009	1,992	122	14,581,440	394	0.36	27	0.02	38	0.03	40	0.04	0.45	3.33	3.83
8/21/2009	1,608	122	11,770,560	428	0.31	27	0.02	38	0.03	40	0.03	0.39	3.64	4.22
11/5/2009	1,824	122	13,351,680	883	0.74	27	0.02	38	0.03	40	0.03	0.82	4.38	5.04
2/5/2010	2,208	110	14,572,800	150	0.14	26.93	0.02	38	0.03	40	0.04	0.23	4.52	5.27
4/23/2010	1,848	110	12,196,800	82	0.06	27	0.02	38	0.03	40	0.03	0.14	4.58	5.41
7/23/2010	2,184	110	14,414,400	183	0.16	27	0.02	38	0.03	40	0.04	0.26	4.74	5.67
10/15/2010	2,016	130	15,724,800	102	0.10	27	0.03	38	0.04	40	0.04	0.20	4.84	5.88
1/21/2011	2,352	110	15,523,200	224	0.22	27	0.03	38	0.04	40	0.04	0.32	5.06	6.19
5/11/2011	2,640	130	20,592,000	394	0.51	27	0.03	38	0.05	40	0.05	0.64	5.57	6.84
7/29/2011	4,536	110	29,937,600	150	0.28	27	0.05	38	0.07	40	0.07	0.48	5.85	7.31
10/25/2011	4,008	132	31,743,360	204	0.40	27	0.05	38	0.08	40	0.08	0.61	6.25	7.92
TOTALS:	**35,905**		**255,406,620**		**6.25**		**0.43**		**0.61**		**0.63**	**7.92**		

B-5 (PID Readings)

Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m3 VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
3/29/2008	50	110	330,000	0.1	1,483	0.03	0.03
6/2/2008	1,560	130	12,168,000	0.2	1,669	1.27	1.30
7/10/2008	912	110	6,019,200	0.7	2,602	0.98	2.27
9/12/2008	1,536	130	11,980,800	0.1	1,483	1.11	3.38
11/26/2008	1,800	130	14,040,000	0.1	1,483	1.30	4.68
8/21/2009	6,432	130	50,169,600	0.0	1,296	4.06	8.74
11/5/2009	1,824	130	14,227,200	0.2	1,669	1.48	10.22
2/5/2010	2,208	110	14,581,440	0.5	1,483	1.35	11.57
5/6/2010	2,160	110	14,256,000	1.4	3,908	3.48	15.04
10/15/2010	3,888	130	30,326,400	0.4	2,042	3.86	18.91
1/21/2011	2,352	110	15,523,200	0.4	2,042	1.98	20.88
5/11/2011	2,640	130	20,592,000	0.1	1,483	1.90	22.79
7/29/2011	4,536	110	29,937,600	0.4	2,042	3.8	26.60
10/25/2011	4,008	132	31,743,360	0.5	2,229	4.4	31.02
TOTALS:	**35,906**		**265,894,800**			**31.02**	

Lab Data for Air Mitigation System B-6
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

B-6 (Lab Data)

Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m3 PCE	Lbs. PCE removed	µg/m3 TCE	Lbs. TCE removed	µg/m3 VC	Lbs. VC removed	µg/m3 cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed
3/27/2008	0.5	130	3,900	8,155	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00
3/28/2008	24	119	171,144	3,330	0.04	27	0.00	38	0.00	40	0.00	0.04	0.04	0.04
4/24/2008	648	114	4,426,488	748	0.21	27	0.01	38	0.01	40	0.01	0.24	0.24	0.27
5/1/2008	168	123	1,234,800	1,427	0.11	27	0.00	38	0.00	40	0.00	0.12	0.35	0.39
6/2/2008	768	120	5,506,560	1,495	0.51	27	0.01	38	0.01	40	0.01	0.55	0.87	0.94
8/20/2008	1,896	120	13,651,200	1,835	1.56	27	0.02	38	0.03	40	0.03	1.65	2.43	2.59
9/12/2008	552	114	3,775,680	1,223	0.29	27	0.01	38	0.01	40	0.01	0.31	2.72	2.91
11/26/2008	1,800	112	12,096,000	748	0.56	27	0.02	38	0.03	40	0.03	0.64	3.28	3.55
3/24/2009	2,832	118	20,050,560	883	1.10	27	0.03	38	0.05	40	0.05	1.24	4.39	4.79
6/15/2009	1,992	118	14,103,360	571	0.50	27	0.02	38	0.03	40	0.03	0.59	4.89	5.38
8/21/2009	1,608	118	11,384,640	483	0.34	27	0.02	38	0.03	40	0.03	0.42	5.23	5.80
11/5/2009	1,824	118	12,913,920	748	0.60	27	0.02	38	0.03	40	0.03	0.69	5.83	6.49
2/5/2010	2,208	150	19,872,000	544	0.67	27	0.03	38	0.05	40	0.05	0.80	6.51	7.29
5/12/2010	2,304	93	12,856,320	883	0.71	26.93	0.02	38	0.03	40	0.03	0.79	7.22	8.08
7/23/2010	1,728	110	11,404,800	680	0.48	27	0.02	38	0.03	40	0.03	0.56	7.70	8.64
10/15/2010	2,016	130	15,724,800	129	0.13	27	0.03	38	0.04	40	0.04	0.23	7.83	8.87
1/21/2011	2,352	130	18,345,600	333	0.38	27	0.03	38	0.04	40	0.05	0.50	8.21	9.37
5/11/2011	2,640	130	20,592,000	415	0.53	27	0.03	38	0.05	40	0.05	0.67	8.74	10.04
7/29/2011	4,536	110	29,937,600	143	0.27	27	0.05	38	0.07	40	0.07	0.46	9.01	10.50
10/25/2011	4,008	110	26,452,800	170	0.28	27	0.04	38	0.06	40	0.07	0.45	9.29	10.96
TOTALS:	**35,905**		**254,504,172**		**9.29**		**0.43**		**0.61**		**0.63**	**10.96**		

B-6 (PID Readings)

Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m3 VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
3/29/2008	50	74	222,000	1.7	4,468	0.06	0.06
6/2/2008	1,560	130	12,168,000	1.1	3,349	2.54	2.60
8/20/2008	1,896	110	12,513,600	0.5	2,229	1.74	4.34
9/12/2008	552	130	4,305,600	0.1	1,483	0.40	4.74
11/26/2008	1,800	110	11,880,000	0.2	1,669	1.24	5.98
8/21/2009	6,432	110	42,451,200	0.1	1,483	3.93	9.90
11/5/2009	1,824	130	14,227,200	0.1	1,483	1.32	11.22
2/5/2010	2,208	150	19,872,000	0.9	2,975	3.69	14.91
5/12/2010	2,304	93	12,856,320	1.7	4,468	3.58	18.49
10/15/2010	3,744	130	29,203,200	0.5	2,229	4.06	22.55
1/21/2011	2,352	130	18,345,600	0.4	2,042	2.34	24.89
5/11/2011	2,640	130	20,592,000	0.2	1,669	2.14	27.03
7/29/2011	4,536	110	29,937,600	0.3	1,856	3.47	30.50
10/25/2011	4,008	110	26,452,800	0.5	2,229	3.68	34.18
TOTALS:	**35,906**		**255,027,120**			**34.18**	

Lab Data for Air Mitigation System B-7
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

7 (Lab Data)

Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m3 PCE	Lbs. PCE removed	µg/m3 TCE	Lbs. TCE removed	µg/m3 VC	Lbs. VC removed	µg/m3 cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed
4/7/2008	0.5	118	3,540	516	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00
4/8/2008	24	118	169,920	319	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00
4/24/2008	384	118	2,718,720	150	0.03	27	0.00	38	0.01	40	0.01	0.04	0.03	0.05
5/1/2008	168	120	1,209,600	265	0.02	27	0.00	38	0.00	40	0.00	0.03	0.05	0.08
6/2/2008	768	117	5,391,360	360	0.12	27	0.01	38	0.01	40	0.01	0.16	0.17	0.23
7/10/2008	912	118	6,456,960	367	0.15	27	0.01	38	0.02	40	0.02	0.19	0.32	0.42
9/12/2008	1,536	114	10,506,240	367	0.24	27	0.02	38	0.03	40	0.03	0.31	0.56	0.73
11/26/2008	1,800	112	12,096,000	381	0.29	27	0.02	38	0.03	40	0.03	0.37	0.85	1.10
3/24/2009	2,832	118	20,050,560	401	0.50	27	0.03	38	0.05	40	0.05	0.63	1.35	1.73
6/15/2009	1,992	118	14,103,360	34	0.03	27	0.02	38	0.03	40	0.03	0.12	1.38	1.85
8/21/2009	1,608	118	11,384,640	34	0.02	27	0.02	38	0.03	40	0.03	0.10	1.40	1.95
11/5/2009	1,824	118	12,913,920	34	0.03	27	0.02	38	0.03	40	0.03	0.11	1.43	2.06
2/5/2010	2,208	110	14,572,800	34	0.03	27	0.02	38	0.03	40	0.04	0.13	1.46	2.19
4/23/2010	1,848	130	14,414,400	34	0.03	27	0.02	38	0.03	40	0.04	0.13	1.49	2.32
7/23/2010	2,184	130	17,035,200	34	0.04	27	0.03	38	0.04	40	0.04	0.15	1.53	2.46
10/15/2010	2,016	130	15,724,800	34	0.03	27	0.03	38	0.04	40	0.04	0.14	1.56	2.60
1/21/2011	2,352	130	18,345,600	34	0.04	27	0.03	38	0.04	40	0.05	0.16	1.60	2.76
5/11/2011	2,640	130	20,592,000	34	0.04	27	0.03	38	0.05	40	0.05	0.18	1.64	2.94
7/29/2011	4,536	130	35,380,800	34	0.07	27	0.06	38	0.08	40	0.09	0.31	1.72	3.24
10/25/2011	4,008	152	36,552,960	34	0.08	27	0.06	38	0.09	40	0.09	0.32	1.79	3.56
TOTALS:	**35,641**		**269,623,380**		**1.79**		**0.45**		**0.65**		**0.67**	**3.56**		

B-7 (PID Readings)

Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m3 VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
6/2/2008	1,344	130	10,483,200	0.3	1,856	1.21	1.21
7/10/2008	912	110	6,019,200	0.5	2,229	0.84	2.05
9/12/2008	1,536	130	11,980,800	0.1	1,483	1.11	3.16
11/26/2008	1,800	110	11,880,000	0.2	1,669	1.24	4.40
8/21/2009	6,432	132	50,941,440	0.1	1,483	4.71	9.11
11/5/2009	1,824	130	14,227,200	0.0	1,296	1.15	10.26
2/5/2010	2,208	110	14,572,800	0.1	1,483	1.35	11.60
5/6/2010	2,160	130	16,848,000	0.0	1,296	1.36	12.97
10/15/2010	3,888	130	30,326,400	0.1	1,483	2.80	15.77
1/21/2011	2,352	130	18,345,600	0.1	1,483	1.70	17.47
5/11/2011	2,640	130	20,592,000	0.0	1,296	1.66	19.13
7/29/2011	4,536	130	35,380,800	0.3	1,856	4.10	23.23
10/25/2011	4,008	152	36,552,960	0.1	1,483	3.38	26.61
TOTALS:	**35,640**		**278,150,400**			**26.61**	

Michigan Plaza
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Cumulative Totals (B-1-B-4)

Sample Date	Lbs PCE Removed	Cumulative PCE lbs Removed	Lbs. Total Pollutants Removed	Cumulative Total Pollutant lbs Removed
9/21/2006	0.00	0.00	0.00	0.00
10/6/2006	2.36	2.36	2.43	2.43
10/13/2006	0.68	3.05	0.71	3.14
10/20/2006	0.98	4.03	1.01	4.14
11/17/2006	3.41	7.44	3.51	7.65
12/27/2006	4.52	11.95	4.67	12.32
3/30/2007	7.00	18.95	7.33	19.65
6/15/2007	4.64	23.59	6.55	26.20
10/16/2007	6.42	30.01	6.86	33.06
12/14/2007	5.31	35.33	5.53	38.59
3/27/2008	7.84	43.17	8.23	46.82
4/1/2008	1.20	44.36	1.25	48.07
6/2/2008	6.16	50.53	6.39	54.46
9/12/2008	8.69	59.22	9.05	63.51
11/26/2008	4.38	63.59	4.62	68.13
3/24/2009	7.64	71.24	8.02	76.15
6/15/2009	4.53	75.77	4.80	80.94
8/21/2009	3.90	79.67	4.14	85.08
11/5/2009	3.90	83.57	4.17	89.25
2/5/2010	1.81	85.38	2.03	91.28
4/23/2010	0.34	85.72	0.38	91.66
7/23/2010	1.55	87.27	1.72	93.38
10/15/2010	0.57	87.83	0.78	94.15
1/21/2011	0.63	88.46	0.77	94.93
4/8/2011	2.96	91.42	3.51	98.43
5/11/2011	3.61	95.03	3.86	102.30
7/29/2011	2.96	97.99	3.39	105.68
10/25/2011	1.92	99.91	2.32	108.00

Michigan Apartments
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Cumulative Totals (B-5-B-7)

Sample Date	Lbs PCE Removed	Cumulative PCE lbs Removed	Lbs. Total Pollutants Removed	Cumulative Total Pollutant lbs Removed
3/27/2008	0.00	0.00	0.00	0.00
3/28/2008	0.04	0.04	0.04	0.05
4/7/2008	0.00	0.04	0.00	0.05
4/8/2008	0.00	0.05	0.00	0.05
4/24/2008	0.34	0.39	0.42	0.47
5/1/2008	0.16	0.54	0.18	0.65
6/2/2008	0.77	1.31	0.87	1.52
7/10/2008	0.32	1.63	0.40	1.93
8/20/2008	1.56	3.19	1.65	3.58
9/12/2008	0.84	4.03	1.00	4.58
11/26/2008	1.22	5.25	1.46	6.04
3/24/2009	3.45	8.71	3.85	9.89
6/15/2009	0.89	9.60	1.17	11.06
8/21/2009	0.68	10.28	0.91	11.97
11/5/2009	1.40	11.67	1.75	13.71
2/5/2010	0.93	12.60	1.37	15.08
4/23/2010	0.15	12.76	0.32	15.40
7/23/2010	0.68	13.44	0.95	16.35
10/15/2010	0.23	13.66	0.43	16.78
1/21/2011	0.64	14.30	0.99	17.76
5/11/2011	1.24	15.55	1.65	19.41
7/29/2011	0.61	16.16	1.21	20.62
10/25/2011	0.75	16.91	1.34	21.96

Cumulative Total LBS Removed
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Cumulative Totals (B-1-B-7)				
Sample Date	Lbs PCE Removed	Cumulative PCE lbs Removed	Lbs. Total Pollutants Removed	Cumulative Total Pollutant lbs Removed
9/21/2006	0.00	0.00	0.00	0.00
10/6/2006	2.36	2.36	2.43	2.43
10/13/2006	0.68	3.05	0.71	3.14
10/20/2006	0.98	4.03	1.01	4.14
11/17/2006	3.41	7.44	3.51	7.65
12/27/2006	4.52	11.95	4.67	12.32
3/30/2007	7.00	18.95	7.33	19.65
6/15/2007	4.64	23.59	6.55	26.20
10/16/2007	6.42	30.01	6.86	33.06
12/14/2007	5.31	35.33	5.53	38.59
3/27/2008	7.84	43.17	8.23	46.82
3/28/2008	0.04	43.21	0.04	46.87
4/1/2008	1.20	44.41	1.25	48.12
4/7/2008	0.00	44.41	0.00	48.12
4/8/2008	0.00	44.41	0.00	48.12
4/24/2008	0.34	44.75	0.42	48.54
5/1/2008	0.16	44.91	0.18	48.72
6/2/2008	6.93	51.84	7.26	55.98
7/10/2008	0.32	52.16	0.40	56.39
8/20/2008	1.56	53.72	1.65	58.04
9/12/2008	9.53	63.25	10.05	68.09
11/26/2008	5.60	68.85	6.08	74.17
3/24/2009	11.10	79.94	11.87	86.03
6/15/2009	5.42	85.37	5.97	92.00
8/21/2009	4.59	89.95	5.05	97.05
11/5/2009	5.26	95.22	5.79	102.84
2/5/2010	2.71	97.92	3.27	106.11
4/23/2010	0.49	98.41	0.69	106.81
7/23/2010	2.23	100.64	2.67	109.47
10/15/2010	0.80	101.44	1.21	110.68
1/21/2011	1.26	102.70	1.76	112.44
4/8/2011	2.96	105.66	3.51	115.95
5/11/2011	4.85	110.52	5.51	121.46
7/29/2011	3.57	114.09	4.60	126.06
10/25/2011	2.67	116.76	3.66	129.71

Client Name: Mundell Project: MI Plaza/ M01046 Lab Work Order: 3112

A. Shipping/Container Information (circle appropriate response)

Courier: (FedEx) UPS USPS Client Other:_____ Air bill Present: (Yes) No

Tracking Number: 7953 3631 2099

Custody Seal on Cooler/Box Present: Yes (No) Seals Intact: Yes No

Cooler/Box Packing Material: Bubble Wrap Absorbent Foam Other:_____

Type of Ice: (Wet) Blue None Ice Intact: (Yes) Melted

Cooler Temperature: 4.2°C Radiation Screened: Yes (No) Chain of Custody Present: (Yes) No

Comments:_____

B. Laboratory Assignment/Log-in (check appropriate response)

	YES	NO	N/A	Comment Reference non-Conformance
Chain of Custody properly filled out	✓			
Chain of Custody relinquished	✓			
Sampler Name & Signature on COC	✓			
Containers intact	✗	✓		Some broken
Were samples in separate bags	✓			
Sample container labels match COC Sample name/date and time collected	✓			
Sufficient volume provided	✓			
Microseeps containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)	✓			
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	

Comments:_____

Cooler contents examined/received by: HCY Date: 10/27/11

Project Manager Review: JS Date: 11/1/11

APPENDIX B

Air Mitigation Systems:
Pounds of Contaminants Removed

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Plaza

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	Perchloroethylene (PCE)											
	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4
	(ppmv)				(ppm)				(μg/m^3)			
9/21/2006	0.6300	0.7900	0.6700	0.2800	0.0043	0.0054	0.0046	0.0019	4281.48	5368.84	4553.32	1902.88
10/6/2006	0.8800	0.6700	0.9700	0.3100	0.0060	0.0046	0.0066	0.0021	5980.48	4553.32	6592.12	2106.76
10/13/2006	0.6800	0.3600	0.5200	0.2100	0.0046	0.0024	0.0035	0.0014	4621.28	2446.56	3533.92	1427.16
10/20/2006	0.8700	0.5500	0.8900	0.2200	0.0059	0.0037	0.0060	0.0015	5912.52	3737.80	6048.44	1495.12
11/17/2006	0.8100	0.4700	0.7800	0.1500	0.0055	0.0032	0.0053	0.0010	5504.76	3194.12	5300.88	1019.40
12/27/2006	0.7400	0.4700	0.7500	0.1100	0.0050	0.0032	0.0051	0.0007	5029.04	3194.12	5097.00	747.56
3/30/2007	0.5100	0.1800	0.5700	0.0310	0.0035	0.0012	0.0039	0.0002	3465.96	1223.28	3873.72	210.68
6/15/2007	*0.0050*	0.3100	0.2100	0.4600	0.0000	0.0021	0.0014	0.0031	33.98	2106.76	1427.16	3126.16
10/16/2007	0.3900	0.2400	0.2800	0.0670	0.0027	0.0016	0.0019	0.0005	2650.44	1631.04	1902.88	455.33
12/14/2007	0.5800	0.3400	0.5200	0.1400	0.0039	0.0023	0.0035	0.0010	3941.68	2310.64	3533.92	951.44
3/27/2008	0.5500	NS	0.5600	0.0740	0.0037	NS	0.0038	0.0005	3737.80	NS	3805.76	502.90
4/1/2008	NS	0.3600	NS	NS	NS	0.0024	NS	NS	NS	2446.56	NS	NS
6/2/2008	0.7200	0.5600	0.4900	0.1000	0.0049	0.0038	0.0033	0.0007	4893.12	3805.76	3330.04	679.60
9/12/2008	0.4800	0.4700	0.5300	0.1300	0.0033	0.0032	0.0036	0.0009	3262.08	3194.12	3601.88	883.48
11/26/2008	0.4600	NS	0.3600	0.1100	0.0031	NS	0.0024	0.0007	3126.16	NS	2446.56	747.56
3/24/2009	0.4500	NS	0.5500	*0.0050*	0.0031	NS	0.0037	*0.00003*	3058.20	NS	3737.80	33.98
6/15/2009	0.4300	NS	0.4200	0.0200	0.0029	NS	0.0029	0.0001	2922.28	NS	2854.32	135.92
8/21/2009	0.3600	0.1600	0.4700	0.0140	0.0024	0.0011	0.0032	0.0001	2446.56	1087.36	3194.12	95.14
11/5/2009	0.3300	0.1400	0.4100	*0.0050*	0.0022	0.0010	0.0028	*0.00003*	2242.68	951.44	2786.36	33.98
2/5/2010	0.1600	0.0370	0.1400	0.0120	0.0011	0.0003	0.0010	0.0001	1087.36	251.45	951.44	81.55
4/23/2010	0.1300	NS	NS	0.0170	0.0009	NS	NS	0.0001	883.48	NS	NS	115.53
5/6/2010	NS	0.1500	0.2500	NS	NS	0.0010	0.0017	NS	NS	1019.40	1699.00	NS
7/23/2010	0.1500	0.1900	0.1200	*0.0050*	0.0010	0.0013	0.0008	*0.00003*	1019.40	1291.24	815.52	*33.98*
10/13/2010	NS	NS	NS	*0.0050*	NS	NS	NS	*0.00003*	NS	NS	NS	*33.98*
10/15/2010	0.0940	0.0650	*0.0050*	NS	0.0006	0.0004	*0.0000*	NS	638.82	441.74	*33.98*	NS
1/21/2011	0.1400	0.0270	NS	*0.0050*	0.0010	0.0002	NS	*0.00003*	951.44	183.49	NS	*33.98*
4/8/2011	NS	NS	0.2100	NS	NS	NS	0.0014	NS	NS	NS	1427.16	NS
5/11/2011	0.2200	0.2700	0.2100	0.0230	0.0015	0.0018	0.0014	0.0002	1495.12	1834.92	1427.16	156.31
7/29/2011	0.0660	0.1700	0.1100	*0.0050*	0.0004	0.0012	0.0007	*0.00003*	448.54	1155.32	747.56	*33.98*
10/25/2011	0.1100	0.1200	0.0530	*0.0050*	0.0007	0.0008	0.0004	*0.00003*	747.56	815.52	360.19	*33.98*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Plaza

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	Trichloroethylene (TCE)											
	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4
	(ppmv)				(ppm)				(µg/m^3)			
9/21/2006	0.0240	0.0120	*0.0050*	*0.0050*	0.0001	0.0001	*0.00003*	*0.00003*	129.24	64.62	*26.93*	*26.93*
10/6/2006	0.0120	*0.0050*	*0.0050*	*0.0050*	0.0001	*0.00003*	*0.00003*	*0.00003*	64.62	*26.93*	*26.93*	*26.93*
10/13/2006	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
10/20/2006	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
11/17/2006	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
12/27/2006	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
3/30/2007	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
6/15/2007	0.4600	*0.0050*	*0.0050*	*0.0050*	0.0025	*0.00003*	*0.00003*	*0.00003*	2,477.10	*26.93*	*26.93*	*26.93*
10/16/2007	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
12/14/2007	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
3/27/2008	*0.0050*	NS	*0.0050*	*0.0050*	*0.00003*	NS	*0.00003*	*0.00003*	*26.93*	NS	*26.93*	*26.93*
4/1/2008	NS	*0.0050*	NS	NS	NS	*0.0000*	NS	NS	NS	*26.93*	NS	NS
6/2/2008	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
9/12/2008	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
11/26/2008	*0.0050*	NS	*0.0050*	*0.0050*	*0.00003*	NS	*0.00003*	*0.00003*	*26.93*	NS	*26.93*	*26.93*
3/24/2009	*0.0050*	NS	*0.0050*	*0.0050*	*0.00003*	NS	*0.00003*	*0.00003*	*26.93*	NS	*26.93*	*26.93*
6/15/2009	*0.0050*	NS	*0.0050*	*0.0050*	*0.00003*	NS	*0.00003*	*0.00003*	*26.93*	NS	*26.93*	*26.93*
8/21/2009	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
11/5/2009	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
2/5/2010	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
4/23/2010	*0.0050*	NS	NS	*0.0050*	*0.00003*	NS	NS	*0.00003*	*26.93*	NS	NS	*26.93*
5/6/2010	NS	*0.0050*	*0.0050*	NS	NS	*0.00003*	*0.00003*	NS	NS	*26.93*	*26.93*	NS
7/23/2010	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
10/13/2010	NS	NS	NS	*0.0050*	NS	NS	NS	*0.00003*	NS	NS	NS	*26.93*
10/15/2010	*0.0050*	*0.0050*	*0.0050*	NS	*0.00003*	*0.00003*	*0.00003*	NS	*26.93*	*26.93*	*26.93*	NS
1/21/2011	*0.0050*	*0.0050*	NS	*0.0050*	*0.00003*	*0.00003*	NS	*0.00003*	*26.93*	*26.93*	NS	*26.93*
4/8/2011	NS	NS	0.0050	NS	NS	NS	0.00003	NS	NS	NS	26.93	NS
5/11/2011	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
7/29/2011	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*
10/25/2011	*0.0050*	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*	*26.93*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Plaza

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	Vinyl Chloride											
	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4
	(ppmv)				(ppm)				($\mu g/m^3$)			
9/21/2006	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
10/6/2006	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
10/13/2006	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
10/20/2006	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
11/17/2006	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
12/27/2006	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
3/30/2007	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
6/15/2007	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
10/16/2007	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
12/14/2007	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
3/27/2008	*0.0150*	NS	*0.0150*	*0.0150*	*0.00004*	NS	*0.00004*	*0.00004*	*38.42*	NS	*38.42*	*38.42*
4/1/2008	NS	*0.0150*	NS	NS	NS	*0.00004*	NS	NS	NS	*38.42*	NS	NS
6/2/2008	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
9/12/2008	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
11/26/2008	*0.0150*	NS	*0.0150*	*0.0150*	*0.00004*	NS	*0.00004*	*0.00004*	*38.42*	NS	*38.42*	*38.42*
3/24/2009	*0.0150*	NS	*0.0150*	*0.0150*	*0.00004*	NS	*0.00004*	*0.00004*	*38.42*	NS	*38.42*	*38.42*
6/15/2009	*0.0150*	NS	*0.0150*	*0.0150*	*0.00004*	NS	*0.00004*	*0.00004*	*38.42*	NS	*38.42*	*38.42*
8/21/2009	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
11/5/2009	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
2/5/2010	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
4/23/2010	*0.0150*	NS	NS	*0.0150*	*0.00004*	NS	NS	*0.00004*	*38.42*	NS	NS	*38.42*
5/6/2010	NS	*0.0150*	*0.0150*	NS	NS	*0.00004*	*0.00004*	NS	NS	*38.42*	*38.42*	NS
7/23/2010	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
10/13/2010	NS	NS	NS	*0.0150*	NS	NS	NS	*0.00004*	NS	NS	NS	*38.42*
10/15/2010	*0.0150*	*0.0150*	*0.0150*	NS	*0.00004*	*0.00004*	*0.00004*	NS	*38.42*	*38.42*	*38.42*	NS
1/21/2011	*0.0150*	*0.0150*	NS	*0.0150*	*0.00004*	*0.00004*	NS	*0.00004*	*38.42*	*38.42*	NS	*38.42*
4/8/2011	NS	NS	*0.0150*	NS	NS	NS	*0.00004*	NS	NS	NS	38.42	NS
5/11/2011	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
7/29/2011	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*
10/25/2011	*0.0150*	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*	*38.42*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Plaza

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	cis-1,2-Dichloroethylene											
	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4
	(ppmv)				(ppm)				(µg/m^3)			
9/21/2006	0.1400	*0.0100*	*0.0100*	*0.0100*	0.0006	*0.00004*	*0.00004*	*0.00004*	556.22	*39.73*	*39.73*	*39.73*
10/6/2006	0.0300	*0.0100*	*0.0100*	*0.0100*	0.0001	*0.00004*	*0.00004*	*0.00004*	119.19	*39.73*	*39.73*	*39.73*
10/13/2006	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
10/20/2006	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
11/17/2006	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
12/27/2006	0.0240	*0.0100*	*0.0100*	*0.0100*	0.0001	*0.00004*	*0.00004*	*0.00004*	95.35	*39.73*	*39.73*	*39.73*
3/30/2007	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
6/15/2007	0.2100	*0.0100*	*0.0100*	*0.0100*	0.0008	*0.00004*	*0.00004*	*0.00004*	834.33	*39.73*	*39.73*	*39.73*
10/16/2007	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
12/14/2007	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
3/27/2008	0.0340	NS	*0.0100*	*0.0100*	0.0001	NS	*0.00004*	*0.00004*	135.08	NS	*39.73*	*39.73*
4/1/2008	NS	*0.0100*	NS	NS	NS	*0.00004*	NS	NS	NS	*39.73*	NS	NS
6/2/2008	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
9/12/2008	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
11/26/2008	*0.0100*	NS	*0.0100*	*0.0100*	*0.00004*	NS	*0.00004*	*0.00004*	*39.73*	NS	*39.73*	*39.73*
3/24/2009	*0.0100*	NS	*0.0100*	*0.0100*	*0.00004*	NS	*0.00004*	*0.00004*	*39.73*	NS	*39.73*	*39.73*
6/15/2009	*0.0100*	NS	*0.0100*	*0.0100*	*0.00004*	NS	*0.00004*	*0.00004*	*39.73*	NS	*39.73*	*39.73*
8/21/2009	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
11/5/2009	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
2/5/2010	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
4/23/2010	*0.0100*	NS	NS	*0.0100*	*0.00004*	NS	NS	*0.00004*	*39.73*	NS	NS	*39.73*
5/6/2010	NS	*0.0100*	*0.0100*	NS	NS	*0.00004*	*0.00004*	NS	NS	*39.73*	*39.73*	NS
7/23/2010	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
10/13/2010	NS	NS	NS	*0.0100*	NS	NS	NS	*0.00004*	NS	NS	NS	*39.73*
10/15/2010	*0.0100*	*0.0100*	*0.0100*	NS	*0.00004*	*0.00004*	*0.00004*	NS	*39.73*	*39.73*	*39.73*	NS
1/21/2011	*0.0100*	*0.0100*	NS	*0.0100*	*0.00004*	*0.00004*	NS	*0.00004*	*39.73*	*39.73*	NS	*39.73*
4/8/2011	NS	NS	0.0500	NS	NS	NS	0.0002	NS	NS	NS	198.65	NS
5/11/2011	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
7/29/2011	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*
10/25/2011	*0.0100*	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*	*39.73*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Meadows Apartments

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	Perchloroethylene (PCE)								
	B-5	B-6	B-7	B-5	B-6	B-7	B-5	B-6	B-7
	(ppmv)			(ppm)			($\mu g/m^3$)		
3/27/2008	0.1300	1.2000	NS	0.0009	0.0082	NS	883.48	8155.20	NS
3/28/2008	0.0730	0.4900	NS	0.0005	0.0033	NS	496.11	3330.04	NS
4/7/2008	NS	NS	0.0760	NS	NS	0.0005	NS	NS	516.50
4/8/2008	NS	NS	0.0470	NS	NS	0.0003	NS	NS	319.41
4/24/2008	0.0540	0.1100	0.0220	0.0004	0.0007	0.0001	366.98	747.56	149.51
5/1/2008	0.0580	0.2100	0.0390	0.0004	0.0014	0.0003	394.17	1427.16	265.04
6/2/2008	0.0590	0.2200	0.0530	0.0004	0.0015	0.0004	400.96	1495.12	360.19
7/10/2008	0.0650	NS	0.0540	0.0004	NS	0.0004	441.74	NS	366.98
8/20/2008	NS	0.2700	NS	NS	0.0018	NS	NS	1834.92	NS
9/12/2008	0.0690	0.1800	0.0540	0.0005	0.0012	0.0004	468.92	1223.28	366.98
11/26/2008	0.0720	0.1100	0.0560	0.0005	0.0007	0.0004	489.31	747.56	380.58
3/24/2009	0.2100	0.1300	0.0590	0.0014	0.0009	0.0004	1427.16	883.48	400.96
6/15/2009	0.0580	0.0840	*0.0050*	0.0004	0.0006	*0.00003*	394.17	570.86	*33.98*
8/21/2009	0.0630	0.0710	*0.0050*	0.0004	0.0005	*0.00003*	428.15	482.52	*33.98*
11/5/2009	0.1300	0.1100	*0.0050*	0.0009	0.0007	*0.00003*	883.48	747.56	*33.98*
2/5/2010	0.0220	0.0800	*0.0050*	0.0001	0.0005	*0.00003*	149.51	543.68	*33.98*
2/6/2010	0.0220	0.0800	*0.0050*	0.0001	0.0005	*0.00003*	149.51	543.68	*33.98*
4/23/2010	0.0120	NS	*0.0050*	0.0001	NS	*0.00003*	81.55	NS	*33.98*
5/12/2010	NS	0.1300	NS	NS	0.0009	NS	NS	883.48	NS
7/23/2010	0.0270	0.1000	*0.0050*	0.0002	0.0007	*0.00003*	183.49	679.60	*33.98*
10/15/2010	0.0150	0.0190	*0.0050*	0.0001	0.0001	*0.00003*	101.94	129.12	*33.98*
1/21/2011	0.0330	0.0490	*0.0050*	0.0002	0.0003	*0.00003*	224.27	333.00	*33.98*
5/11/2011	0.0580	0.0610	*0.0050*	0.0004	0.0004	*0.00003*	394.17	414.56	*33.98*
7/29/2011	0.0220	0.0210	*0.0050*	0.0001	0.0001	*0.00003*	149.51	142.72	*33.98*
10/25/2011	0.0300	0.0250	*0.0050*	0.0002	0.0002	*0.00003*	203.88	169.90	*33.98*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Meadows Apartments

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	Trichloroethylene (TCE)								
	B-5	B-6	B-7	B-5	B-6	B-7	B-5	B-6	B-7
	(ppmv)			(ppm)			($\mu g/m^3$)		
3/27/2008	*0.0050*	*0.0050*	NS	*0.00003*	*0.00003*	NS	*26.93*	*26.93*	NS
3/28/2008	*0.0050*	*0.0050*	NS	*0.00003*	*0.00003*	NS	*26.93*	*26.93*	NS
4/7/2008	NS	NS	*0.0050*	NS	NS	*0.00003*	NS	NS	*26.93*
4/8/2008	NS	NS	*0.0050*	NS	NS	*0.00003*	NS	NS	*26.93*
4/24/2008	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
5/1/2008	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
6/2/2008	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
7/10/2008	*0.0050*	NS	*0.0050*	*0.00003*	NS	*0.00003*	*26.93*	NS	*26.93*
8/20/2008	NS	*0.0050*	NS	NS	*0.00003*	NS	NS	*26.93*	NS
9/12/2008	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
11/26/2008	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
3/24/2009	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
6/15/2009	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
8/21/2009	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
11/5/2009	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
2/5/2010	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
2/6/2010	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
4/23/2010	*0.0050*	NS	*0.0050*	*0.00003*	NS	*0.00003*	*26.93*	NS	*26.93*
5/12/2010	NS	*0.0050*	NS	NS	*0.00003*	NS	NS	*26.93*	NS
7/23/2010	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
10/15/2010	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
1/21/2011	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
5/11/2011	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
7/29/2011	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*
10/25/2011	*0.0050*	*0.0050*	*0.0050*	*0.00003*	*0.00003*	*0.00003*	*26.93*	*26.93*	*26.93*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Meadows Apartments

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	Vinyl Chloride								
	B-5	B-6	B-7	B-5	B-6	B-7	B-5	B-6	B-7
	(ppmv)			(ppm)			($\mu g/m^3$)		
3/27/2008	*0.0150*	*0.0150*	NS	*0.00004*	*0.00004*	NS	*38.42*	*38.42*	NS
3/28/2008	*0.0150*	*0.0150*	NS	*0.00004*	*0.00004*	NS	*38.42*	*38.42*	NS
4/7/2008	NS	NS	*0.0150*	NS	NS	*0.00004*	NS	NS	*38.42*
4/8/2008	NS	NS	*0.0150*	NS	NS	*0.00004*	NS	NS	*38.42*
4/24/2008	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
5/1/2008	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
6/2/2008	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
7/10/2008	*0.0150*	NS	*0.0150*	*0.00004*	NS	*0.00004*	*38.42*	NS	38.42
8/20/2008	NS	*0.0150*	NS	NS	*0.00004*	NS	NS	*38.42*	NS
9/12/2008	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
11/26/2008	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
3/24/2009	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
6/15/2009	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
8/21/2009	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
11/5/2009	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
2/5/2010	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
2/6/2010	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
4/23/2010	*0.0150*	NS	*0.0150*	*0.00004*	NS	*0.00004*	*38.42*	NS	*38.42*
5/12/2010	NS	*0.0150*	NS	NS	*0.00004*	NS	NS	*38.42*	NS
7/23/2010	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
10/15/2010	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
1/21/2011	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
5/11/2011	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
7/29/2011	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*
10/25/2011	*0.0150*	*0.0150*	*0.0150*	*0.00004*	*0.00004*	*0.00004*	*38.42*	*38.42*	*38.42*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B

Air Mitigation System - Historical Air Analytical Results

Michigan Meadows Apartments

Indianapolis, Indiana

MUNDELL Project No.: M01046

Sample Date	cis-1,2-Dichloroethylene								
	B-5	B-6	B-7	B-5	B-6	B-7	B-5	B-6	B-7
	(ppmv)			(ppm)			($\mu g/m^3$)		
3/27/2008	*0.0100*	*0.0100*	NS	*0.00004*	*0.00004*	NS	*39.73*	*39.73*	NS
3/28/2008	*0.0100*	*0.0100*	NS	*0.00004*	*0.00004*	NS	*39.73*	*39.73*	NS
4/7/2008	NS	NS	*0.0100*	NS	NS	*0.00004*	NS	NS	*39.73*
4/8/2008	NS	NS	*0.0100*	NS	NS	*0.00004*	NS	NS	*39.73*
4/24/2008	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
5/1/2008	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
6/2/2008	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
7/10/2008	*0.0100*	NS	*0.0100*	*0.00004*	NS	*0.00004*	*39.73*	NS	*39.73*
8/20/2008	NS	*0.0100*	NS	NS	*0.00004*	NS	NS	39.73	NS
9/12/2008	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
11/26/2008	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
3/24/2009	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
6/15/2009	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
8/21/2009	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
11/5/2009	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
2/5/2010	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
2/6/2010	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
4/23/2010	*0.0100*	NS	*0.0100*	*0.00004*	NS	*0.00004*	*39.73*	NS	*39.73*
5/12/2010	NS	*0.0100*	NS	NS	*0.00004*	NS	NS	*39.73*	NS
7/23/2010	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
10/15/2010	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
1/21/2011	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
5/11/2011	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
7/29/2011	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*
10/25/2011	*0.0100*	*0.0100*	*0.0100*	*0.00004*	*0.00004*	*0.00004*	*39.73*	*39.73*	*39.73*

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

Lab Data for Air Mitigation System B-1
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

B-1 (Lab Data)

Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m3 PCE	Lbs. PCE removed	µg/m3 TCE	Lbs. TCE removed	µg/m3 VC	Lbs. VC removed	µg/m3 cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed (ug/m3)	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed
9/21/2006	0.5	73	2,190	4,281	0.00	129	0.00	38	0.00	556	0.00	0.00	0.00	0.00
10/6/2006	360	73	1,576,800	5,980	0.59	65	0.01	38	0.00	119	0.01	0.61	0.59	0.61
10/13/2006	168	73	735,840	4,621	0.21	27	0.00	38	0.00	40	0.00	0.22	0.80	0.83
10/20/2006	168	73	735,840	5,913	0.27	27	0.00	38	0.00	40	0.00	0.28	1.07	1.10
11/17/2006	672	73	2,943,360	5,505	1.01	27	0.00	38	0.01	40	0.01	1.03	2.08	2.13
12/27/2006	960	73	4,204,800	5,029	1.32	27	0.01	38	0.01	95	0.03	1.36	3.40	3.50
3/30/2007	2,232	73	9,776,160	3,466	2.11	27	0.02	38	0.02	40	0.02	2.18	5.52	5.67
6/15/2007	1,848	73	8,094,240	34	0.02	2,477	1.25	38	0.02	834	0.42	1.71	5.53	7.38
10/16/2007	2,952	73	12,929,760	2,650	2.14	27	0.02	38	0.03	40	0.03	2.22	7.67	9.60
12/14/2007	1,416	73	6,202,080	3,942	1.52	27	0.01	38	0.01	40	0.02	1.57	9.20	11.17
3/27/2008	2,496	73	10,932,480	3,738	2.55	27	0.02	38	0.03	135	0.09	2.69	11.74	13.86
6/2/2008	1,608	73	7,043,040	4,893	2.15	27	0.01	38	0.02	40	0.02	2.20	13.89	16.05
9/12/2008	2,448	73	10,722,240	3,262	2.18	27	0.02	38	0.03	40	0.03	2.25	16.08	18.30
11/26/2008	1,800	73	7,884,000	3,126	1.54	27	0.01	38	0.02	40	0.02	1.59	17.61	19.89
3/24/2009	2,832	73	12,404,160	3,058	2.37	27	0.02	38	0.03	40	0.03	2.45	19.98	22.34
6/15/2009	1,992	73	8,724,960	2,922	1.59	27	0.01	38	0.02	40	0.02	1.65	21.57	23.99
8/21/2009	1,608	73	7,043,040	2,447	1.07	27	0.01	38	0.02	40	0.02	1.12	22.65	25.11
11/5/2009	1,824	73	7,989,120	2,243	1.12	27	0.01	38	0.02	40	0.02	1.17	23.76	26.28
2/5/2010	2,208	73	9,671,040	1,087	0.66	27	0.02	38	0.02	40	0.02	0.72	24.42	27.00
4/23/2010	1,848	55	6,098,400	883	0.34	27	0.01	38	0.01	40	0.02	0.38	24.75	27.37
7/23/2010	2,184	55	7,207,200	1,019	0.46	27	0.01	38	0.02	40	0.02	0.51	25.21	27.88
10/15/2010	2,016	73	8,830,080	639	0.35	27	0.01	38	0.02	40	0.02	0.41	25.57	28.29
1/21/2011	2,352	55	7,761,600	951	0.46	27	0.01	38	0.02	40	0.02	0.51	26.03	28.80
5/11/2011	2,640	73	11,563,200	1,495	1.08	27	0.02	38	0.03	40	0.03	1.15	27.10	29.95
7/29/2011	4,536	73	19,867,680	449	0.56	27	0.03	38	0.05	40	0.05	0.69	27.66	30.64
10/25/2011	4,008	55	13,226,400	748	0.62	27	0.02	38	0.03	40	0.03	0.70	28.28	31.34
TOTALS:	**49,176**		**204,169,710**		**28.28**		**1.58**		**0.49**		**0.99**	**31.34**		

B-1 (PID Readings)

Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m3 VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
11/17/2006	672	73	2,943,360	0.1	1,483	0.27	0.27
12/27/2006	960	73	4,204,800	0.0	1,296	0.34	0.61
6/15/2007	4,080	73	17,870,400	0.1	1,483	1.65	2.26
10/16/2007	2,952	73	12,929,760	0.1	1,483	1.20	3.46
12/14/2007	1,416	73	6,202,080	0.1	1,483	0.57	4.03
6/2/2008	4,104	73	17,975,520	2.2	5,401	6.06	10.09
9/12/2008	2,448	73	10,722,240	0.3	1,856	1.24	11.33
11/26/2008	1,800	73	7,884,000	0.1	1,483	0.73	12.06
8/21/2009	6,432	73	28,172,160	3.8	8,387	14.74	26.80
11/5/2009	1,824	73	7,989,120	2.1	5,215	2.60	29.40
2/5/2010	2,208	73	9,671,040	2.3	5,588	3.37	32.77
5/6/2010	2,160	55	7,128,000	2.2	5,401	2.40	35.17
10/15/2010	3,888	73	17,029,440	2.0	5,028	5.34	40.51
1/21/2011	2,352	55	7,761,600	1.9	4,841	2.34	42.86
5/11/2011	2,640	73	11,563,200	1.9	4,841	3.49	46.35
7/29/2011	1,896	73	8,304,480	1.1	3,349	1.73	48.08
10/25/2011	2,112	55	6,969,600	2.1	5,215	2.27	50.35
TOTALS:	**43,944**		**185,320,800**			**50.35**	

Lab Data for Air Mitigation System B-2
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

B-2 (Lab Data)

Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m3 PCE	Lbs. PCE removed	µg/m3 TCE	Lbs. TCE removed	µg/m3 VC	Lbs. VC removed	µg/m3 cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed
9/21/2006	0.5	37	1,110	5,369	0.00	65	0.00	38	0.00	40	0.00	0.00	0.00	0.00
10/6/2006	360	37	799,200	4,553	0.23	27	0.00	38	0.00	40	0.00	0.23	0.23	0.23
10/13/2006	168	37	372,960	2,447	0.06	27	0.00	38	0.00	40	0.00	0.06	0.28	0.29
10/20/2006	168	37	372,960	3,738	0.09	27	0.00	38	0.00	40	0.00	0.09	0.37	0.38
11/17/2006	672	37	1,491,840	3,194	0.30	27	0.00	38	0.00	40	0.00	0.31	0.67	0.69
12/27/2006	960	37	2,131,200	3,194	0.42	27	0.00	38	0.01	40	0.01	0.44	1.09	1.13
3/30/2007	2,232	38	5,088,960	1,223	0.39	27	0.01	38	0.01	40	0.01	0.42	1.48	1.55
6/15/2007	1,848	42	4,656,960	2,107	0.61	27	0.01	38	0.01	40	0.01	0.64	2.09	2.19
10/16/2007	2,952	48	8,501,760	1,631	0.86	27	0.01	38	0.02	40	0.02	0.92	2.96	3.11
12/14/2007	1,416	53	4,502,880	2,311	0.65	27	0.01	38	0.01	40	0.01	0.68	3.61	3.79
4/1/2008	2,616	50	7,848,000	2,447	1.20	27	0.01	38	0.02	40	0.02	1.25	4.81	5.04
6/2/2008	1,488	42	3,705,120	3,806	0.88	27	0.01	38	0.01	40	0.01	0.90	5.68	5.94
9/12/2008	2,448	37	5,434,560	3,194	1.08	27	0.01	38	0.01	40	0.01	1.12	6.77	7.06
8/21/2009	1,440	37	3,196,800	1,087	0.22	27	0.01	38	0.01	40	0.01	0.24	6.98	7.30
11/5/2009	1,824	37	4,049,280	951	0.24	27	0.01	38	0.01	40	0.01	0.27	7.22	7.57
2/5/2010	2,208	55	7,286,400	251	0.11	27	0.01	38	0.02	40	0.02	0.16	7.34	7.73
5/6/2010	2,160	37	4,795,200	1,019	0.30	27	0.01	38	0.01	40	0.01	0.34	7.64	8.06
7/23/2010	1,872	37	4,155,840	1,291	0.33	27	0.01	38	0.01	40	0.01	0.36	7.98	8.43
10/15/2010	2,016	55	6,652,800	442	0.18	27	0.01	38	0.02	40	0.02	0.23	8.16	8.65
1/21/2011	4,368	55	14,414,400	183	0.16	27	0.02	38	0.03	40	0.04	0.26	8.33	8.91
5/11/2011	2,640	37	5,860,800	1,835	0.67	27	0.01	38	0.01	40	0.01	0.71	9.00	9.62
7/29/2011	4,536	37	10,069,920	1,155	0.73	27	0.02	38	0.02	40	0.02	0.79	9.72	10.41
10/25/2011	4,008	37	8,897,760	816	0.45	27	0.01	38	0.02	40	0.02	0.51	10.18	10.93
TOTALS:	**44,401**		**114,286,710**		**10.18**		**0.19**		**0.27**		**0.28**	**10.93**		

B-2 (PID Readings)

Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m3 VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
11/17/2006	672.0	37	1,491,840	0.1	1,483	0.14	0.14
12/27/2006	960	37	2,131,200	0.1	1,483	0.20	0.34
6/15/2007	4,080	37	9,057,600	0.1	1,483	0.84	1.17
10/16/2007	2,952	37	6,553,440	0.1	1,483	0.61	1.78
12/14/2007	1,416	55	4,672,800	0.1	1,483	0.43	2.21
6/2/2008	4,104	132	32,503,680	1.5	4,095	8.30	10.51
9/12/2008	2,448	37	5,434,560	0.5	2,229	0.76	11.27
8/21/2009	8,232	55	27,165,600	2.4	5,774	9.79	21.05
11/5/2009	1,824	94	10,287,360	1.6	4,282	2.75	23.80
2/5/2010	2,208	55	7,286,400	0.6	2,416	1.10	24.90
5/6/2010	2,160	37	4,795,200	1.4	3,908	1.17	26.07
10/15/2010	3,888	55	12,830,400	3.2	7,267	5.82	31.89
1/21/2011	2,352	55	7,761,600	1.4	3,908	1.89	33.78
5/11/2011	2,640	37	5,860,800	1.6	4,282	1.57	35.34
7/29/2011	1,896	37	4,209,120	1.7	4,468	1.2	36.52
10/25/2011	2,112	37	4,688,640	1.9	4,841	1.4	37.93
TOTALS:	**43,944**		**146,730,240**			**37.93**	

Lab Data for Air Mitigation System B-3
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

B-3 (Lab Data)

Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m3 PCE	Lbs. PCE removed	µg/m3 TCE	Lbs. TCE removed	µg/m3 VC	Lbs. VC removed	µg/m3 cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed
9/21/2006	0.5	132	3,960	4,553	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00
10/6/2006	360	132	2,851,200	6,592	1.17	27	0.00	38	0.01	40	0.01	1.19	1.17	1.19
10/13/2006	168	132	1,330,560	3,534	0.29	27	0.00	38	0.00	40	0.00	0.30	1.47	1.49
10/20/2006	168	132	1,330,560	6,048	0.50	27	0.00	38	0.00	40	0.00	0.51	1.97	2.01
11/17/2006	672	132	5,322,240	5,301	1.76	27	0.01	38	0.01	40	0.01	1.79	3.73	3.80
12/27/2006	960	132	7,603,200	5,097	2.42	27	0.01	38	0.02	40	0.02	2.47	6.15	6.27
3/30/2007	2,232	132	17,677,440	3,874	4.27	27	0.03	38	0.04	40	0.04	4.39	10.42	10.65
6/15/2007	1,848	132	14,636,160	1,427	1.30	27	0.02	38	0.04	40	0.04	1.40	11.72	12.05
10/16/2007	2,952	132	23,379,840	1,903	2.78	27	0.04	38	0.06	40	0.06	2.93	14.50	14.98
12/14/2007	1,416	132	11,214,720	3,534	2.47	27	0.02	38	0.03	40	0.03	2.55	16.97	17.53
3/27/2008	2,496	132	19,768,320	3,806	4.69	27	0.03	38	0.05	40	0.05	4.82	21.66	22.35
6/2/2008	1,608	132	12,735,360	3,330	2.65	27	0.02	38	0.03	40	0.03	2.73	24.31	25.08
9/12/2008	2,448	132	19,388,160	3,602	4.36	27	0.03	38	0.05	40	0.05	4.48	28.66	29.56
11/26/2008	1,800	132	14,256,000	2,447	2.18	27	0.02	38	0.03	40	0.04	2.27	30.84	31.83
3/24/2009	2,832	132	22,429,440	3,738	5.23	27	0.04	38	0.05	40	0.06	5.38	36.07	37.21
6/15/2009	1,992	132	15,776,640	2,854	2.81	27	0.03	38	0.04	40	0.04	2.91	38.88	40.12
8/21/2009	1,608	132	12,735,360	3,194	2.54	27	0.02	38	0.03	40	0.03	2.62	41.41	42.74
11/5/2009	1,824	132	14,446,080	2,786	2.51	27	0.02	38	0.03	40	0.04	2.61	43.93	45.35
2/5/2010	2,208	132	17,487,360	951.44	1.04	26.93	0.03	38	0.04	40	0.04	1.15	44.96	46.50
5/6/2010	2,160	132	17,107,200	1,699	1.81	27	0.03	38	0.04	40	0.04	1.93	46.78	48.42
7/23/2010	1,872	132	14,826,240	816	0.75	27	0.02	38	0.04	40	0.04	0.85	47.53	49.28
10/15/2010	2,016	132	15,966,720	34	0.03	27	0.03	38	0.04	40	0.04	0.14	47.56	49.41
1/21/2011	4,368	132	34,594,560	NS	0.00	NS	0.00	NS	0.00	NS	0.00	0.00	47.56	49.41
4/8/2011	4,200	132	33,264,000	1,427	2.96	27	0.06	38	0.08	199	0.41	3.51	50.53	52.92
5/11/2011	2,640	132	20,908,800	1,427	1.86	27	0.04	38	0.05	40	0.05	2.00	52.39	54.92
7/29/2011	4,536	132	35,925,120	748	1.68	27	0.06	38	0.09	40	0.09	1.91	54.06	56.83
10/25/2011	4,800	132	38,016,000	360	0.85	27	0.06	38	0.09	40	0.09	1.10	54.92	57.94
TOTALS:	**56,185**		**444,981,240**		**54.92**		**0.69**		**0.98**		**1.35**	**57.94**		

B-3 (PID Readings)

Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m3 VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
11/17/2006	672	132	5,322,240	2.0	5,028	1.67	1.67
12/27/2006	960	132	7,603,200	0.1	1,483	0.70	2.37
6/15/2007	4,080	132	32,313,600	0.1	1,483	2.99	5.36
10/16/2007	2,952	132	23,379,840	0.1	1,483	2.16	7.52
12/14/2007	1,416	132	11,214,720	0.1	1,483	1.04	8.56
6/2/2008	4,104	55	13,543,200	1.2	3,535	2.99	11.55
9/12/2008	2,448	132	19,388,160	0.5	2,229	2.70	14.24
11/26/2008	1,800	132	14,256,000	0.8	2,789	2.48	16.72
8/21/2009	6,432	132	50,941,440	0.0	1,296	4.12	20.84
11/5/2009	1,824	132	14,446,080	1.8	4,655	4.19	25.04
2/5/2010	2,208	132	17,487,360	1.5	4,095	4.47	29.50
5/6/2010	2,160	132	17,107,200	1.7	4,468	4.77	34.27
10/15/2010	3,888	132	30,792,960	0.1	1,483	2.85	37.12
1/21/2011	6,240	132	49,420,800	1.4	3,908	12.05	49.17
4/8/2011	4,200	132	33,264,000	2.4	5,774	11.98	61.15
5/11/2011	2,640	132	20,908,800	1.2	3,535	4.61	65.76
7/29/2011	4,536	132	35,925,120	1.3	3,722	8.3	74.10
10/25/2011	4,800	132	38,016,000	1.5	4,095	9.7	83.81
TOTALS:	**57,360**		**435,330,720**			**83.81**	

Lab Data for Air Mitigation System B-4
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

B-4 (Lab Data)

Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m3 PCE	Lbs. PCE removed	µg/m3 TCE	Lbs. TCE removed	µg/m3 VC	Lbs. VC removed	µg/m3 cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed
9/21/2006	0.5	132	3,960	1,903	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00
10/6/2006	360	132	2,851,200	2,107	0.37	27	0.00	38	0.01	40	0.01	0.39	0.38	0.39
10/13/2006	168	132	1,330,560	1,427	0.12	27	0.00	38	0.00	40	0.00	0.13	0.49	0.52
10/20/2006	168	132	1,330,560	1,495	0.12	27	0.00	38	0.00	40	0.00	0.13	0.62	0.65
11/17/2006	672	132	5,322,240	1,019	0.34	27	0.01	38	0.01	40	0.01	0.37	0.96	1.03
12/27/2006	960	132	7,603,200	748	0.35	27	0.01	38	0.02	40	0.02	0.40	1.31	1.43
3/30/2007	2,232	130	17,342,640	211	0.23	27	0.03	38	0.04	40	0.04	0.34	1.54	1.77
6/15/2007	1,848	125	13,887,720	3,126	2.71	27	0.02	38	0.03	40	0.03	2.80	4.25	4.57
10/16/2007	2,952	128	22,627,080	455	0.64	27	0.04	38	0.05	40	0.06	0.79	4.89	5.36
12/14/2007	1,416	132	11,214,720	951	0.67	27	0.02	38	0.03	40	0.03	0.74	5.56	6.10
3/27/2008	2,496	128	19,094,400	503	0.60	27	0.03	38	0.05	40	0.05	0.72	6.15	6.83
6/2/2008	1,608	119	11,481,120	680	0.49	27	0.02	38	0.03	40	0.03	0.56	6.64	7.39
9/12/2008	2,448	132	19,388,160	883	1.07	27	0.03	38	0.05	40	0.05	1.20	7.71	8.58
11/26/2008	1,800	132	14,256,000	748	0.66	27	0.02	38	0.03	40	0.04	0.76	8.37	9.34
3/24/2009	2,832	132	22,429,440	34	0.05	27	0.04	38	0.05	40	0.06	0.19	8.42	9.54
6/15/2009	1,992	132	15,776,640	136	0.13	27	0.03	38	0.04	40	0.04	0.24	8.56	9.77
8/21/2009	1,608	132	12,735,360	95	0.08	27	0.02	38	0.03	40	0.03	0.16	8.63	9.93
11/5/2009	1,824	132	14,446,080	34	0.03	27	0.02	38	0.03	40	0.04	0.13	8.66	10.06
2/5/2010	2,208	132	17,487,360	82	0.09	27	0.03	38	0.04	40	0.04	0.20	8.75	10.26
4/23/2010	1,848	115	12,751,200	116	0.09	27	0.02	38	0.03	40	0.03	0.18	8.84	10.44
7/23/2010	2,184	115	15,069,600	34	0.03	27	0.03	38	0.04	40	0.04	0.13	8.87	10.57
10/13/2010	1,968	115	13,579,200	34	0.03	27	0.02	38	0.03	40	0.03	0.12	8.90	10.69
1/21/2011	2,400	132	19,008,000	34	0.04	27	0.03	38	0.05	40	0.05	0.16	8.94	10.85
5/11/2011	2,640	132	20,908,800	156	0.20	27	0.04	38	0.05	40	0.05	0.34	9.15	11.19
7/29/2011	4,536	115	31,298,400	34	0.07	27	0.05	38	0.07	40	0.08	0.27	9.21	11.46
10/25/2011	4,008	132	31,743,360	34	0.07	27	0.05	38	0.08	40	0.08	0.28	9.28	11.74
TOTALS:	**49,177**		**374,967,000**		**9.28**		**0.63**		**0.90**		**0.93**	**11.74**		

B-4 (PID Readings)

Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m3 VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
11/17/2006	672	132	5,322,240	0.1	1,483	0.49	0.49
12/27/2006	960	132	7,603,200	0.1	1,483	0.70	1.20
6/15/2007	4,080	132	32,313,600	0.1	1,483	2.99	4.18
10/16/2007	2,952	132	23,379,840	0.1	1,483	2.16	6.35
12/14/2007	1,416	132	11,214,720	0.1	1,483	1.04	7.38
3/29/2008	2,544	132	20,148,480	1.8	4,655	5.85	13.23
6/2/2008	1,560	132	12,355,200	0.3	1,856	1.43	14.66
9/12/2008	2,448	132	19,388,160	0.4	2,042	2.47	17.13
11/26/2008	1,800	132	14,256,000	0.1	1,483	1.32	18.45
8/21/2009	6,432	115	44,380,800	0.0	1,296	3.59	22.04
11/6/2009	1,848	132	14,636,160	0.4	2,042	1.86	23.90
2/5/2010	2,184	132	17,297,280	0.6	2,416	2.61	26.51
4/23/2010	1,848	115	12,751,200	0.9	2,975	2.37	28.88
10/15/2010	4,200	115	28,980,000	0.5	2,229	4.03	32.91
1/21/2011	2,352	132	18,627,840	0.2	1,669	1.94	34.85
5/11/2011	2,640	132	20,908,800	0.1	1,483	1.93	36.78
7/29/2011	4,536	115	31,298,400	0.4	2,042	4.0	40.77
10/25/2011	4,008	132	31,743,360	0.5	2,229	4.4	45.18
TOTALS:	**48,480**		**366,605,280**			**45.18**	

Lab Data for Air Mitigation System B-5
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

B-5 (Lab Data)

Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m3 PCE	Lbs. PCE removed	µg/m3 TCE	Lbs. TCE removed	µg/m3 VC	Lbs. VC removed	µg/m3 cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed
3/27/2008	0.5	130	3,900	883	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00
3/28/2008	24	127	182,880	496	0.01	27	0.00	38	0.00	40	0.00	0.01	0.01	0.01
4/24/2008	648	120	4,665,600	367	0.11	27	0.01	38	0.01	40	0.01	0.14	0.11	0.14
5/1/2008	168	115	1,159,200	394	0.03	27	0.00	38	0.00	40	0.00	0.04	0.14	0.18
6/2/2008	768	114	5,253,120	401	0.13	27	0.01	38	0.01	40	0.01	0.17	0.27	0.35
7/10/2008	912	115	6,292,800	442	0.17	27	0.01	38	0.02	40	0.02	0.21	0.45	0.56
9/12/2008	1,536	114	10,506,240	469	0.31	27	0.02	38	0.03	40	0.03	0.38	0.75	0.94
11/26/2008	1,800	113	12,204,000	489	0.37	27	0.02	38	0.03	40	0.03	0.45	1.13	1.39
3/24/2009	2,832	122	20,730,240	1,427	1.85	27	0.03	38	0.05	40	0.05	1.98	2.97	3.37
6/15/2009	1,992	122	14,581,440	394	0.36	27	0.02	38	0.03	40	0.04	0.45	3.33	3.83
8/21/2009	1,608	122	11,770,560	428	0.31	27	0.02	38	0.03	40	0.03	0.39	3.64	4.22
11/5/2009	1,824	122	13,351,680	883	0.74	27	0.02	38	0.03	40	0.03	0.82	4.38	5.04
2/5/2010	2,208	110	14,572,800	150	0.14	26.93	0.02	38	0.03	40	0.04	0.23	4.52	5.27
4/23/2010	1,848	110	12,196,800	82	0.06	27	0.02	38	0.03	40	0.03	0.14	4.58	5.41
7/23/2010	2,184	110	14,414,400	183	0.16	27	0.02	38	0.03	40	0.04	0.26	4.74	5.67
10/15/2010	2,016	130	15,724,800	102	0.10	27	0.03	38	0.04	40	0.04	0.20	4.84	5.88
1/21/2011	2,352	110	15,523,200	224	0.22	27	0.03	38	0.04	40	0.04	0.32	5.06	6.19
5/11/2011	2,640	130	20,592,000	394	0.51	27	0.03	38	0.05	40	0.05	0.64	5.57	6.84
7/29/2011	4,536	110	29,937,600	150	0.28	27	0.05	38	0.07	40	0.07	0.48	5.85	7.31
10/25/2011	4,008	132	31,743,360	204	0.40	27	0.05	38	0.08	40	0.08	0.61	6.25	7.92
TOTALS:	**35,905**		**255,406,620**		**6.25**		**0.43**		**0.61**		**0.63**	**7.92**		

B-5 (PID Readings)

Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m3 VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
3/29/2008	50	110	330,000	0.1	1,483	0.03	0.03
6/2/2008	1,560	130	12,168,000	0.2	1,669	1.27	1.30
7/10/2008	912	110	6,019,200	0.7	2,602	0.98	2.27
9/12/2008	1,536	130	11,980,800	0.1	1,483	1.11	3.38
11/26/2008	1,800	130	14,040,000	0.1	1,483	1.30	4.68
8/21/2009	6,432	130	50,169,600	0.0	1,296	4.06	8.74
11/5/2009	1,824	130	14,227,200	0.2	1,669	1.48	10.22
2/5/2010	2,208	110	14,581,440	0.5	1,483	1.35	11.57
5/6/2010	2,160	110	14,256,000	1.4	3,908	3.48	15.04
10/15/2010	3,888	130	30,326,400	0.4	2,042	3.86	18.91
1/21/2011	2,352	110	15,523,200	0.4	2,042	1.98	20.88
5/11/2011	2,640	130	20,592,000	0.1	1,483	1.90	22.79
7/29/2011	4,536	110	29,937,600	0.4	2,042	3.8	26.60
10/25/2011	4,008	132	31,743,360	0.5	2,229	4.4	31.02
TOTALS:	**35,906**		**265,894,800**			**31.02**	

Lab Data for Air Mitigation System B-6
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

B-6 (Lab Data)

Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m3 PCE	Lbs. PCE removed	µg/m3 TCE	Lbs. TCE removed	µg/m3 VC	Lbs. VC removed	µg/m3 cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed
3/27/2008	0.5	130	3,900	8,155	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00
3/28/2008	24	119	171,144	3,330	0.04	27	0.00	38	0.00	40	0.00	0.04	0.04	0.04
4/24/2008	648	114	4,426,488	748	0.21	27	0.01	38	0.01	40	0.01	0.24	0.24	0.27
5/1/2008	168	123	1,234,800	1,427	0.11	27	0.00	38	0.00	40	0.00	0.12	0.35	0.39
6/2/2008	768	120	5,506,560	1,495	0.51	27	0.01	38	0.01	40	0.01	0.55	0.87	0.94
8/20/2008	1,896	120	13,651,200	1,835	1.56	27	0.02	38	0.03	40	0.03	1.65	2.43	2.59
9/12/2008	552	114	3,775,680	1,223	0.29	27	0.01	38	0.01	40	0.01	0.31	2.72	2.91
11/26/2008	1,800	112	12,096,000	748	0.56	27	0.02	38	0.03	40	0.03	0.64	3.28	3.55
3/24/2009	2,832	118	20,050,560	883	1.10	27	0.03	38	0.05	40	0.05	1.24	4.39	4.79
6/15/2009	1,992	118	14,103,360	571	0.50	27	0.02	38	0.03	40	0.03	0.59	4.89	5.38
8/21/2009	1,608	118	11,384,640	483	0.34	27	0.02	38	0.03	40	0.03	0.42	5.23	5.80
11/5/2009	1,824	118	12,913,920	748	0.60	27	0.02	38	0.03	40	0.03	0.69	5.83	6.49
2/5/2010	2,208	150	19,872,000	544	0.67	27	0.03	38	0.05	40	0.05	0.80	6.51	7.29
5/12/2010	2,304	93	12,856,320	883	0.71	26.93	0.02	38	0.03	40	0.03	0.79	7.22	8.08
7/23/2010	1,728	110	11,404,800	680	0.48	27	0.02	38	0.03	40	0.03	0.56	7.70	8.64
10/15/2010	2,016	130	15,724,800	129	0.13	27	0.03	38	0.04	40	0.04	0.23	7.83	8.87
1/21/2011	2,352	130	18,345,600	333	0.38	27	0.03	38	0.04	40	0.05	0.50	8.21	9.37
5/11/2011	2,640	130	20,592,000	415	0.53	27	0.03	38	0.05	40	0.05	0.67	8.74	10.04
7/29/2011	4,536	110	29,937,600	143	0.27	27	0.05	38	0.07	40	0.07	0.46	9.01	10.50
10/25/2011	4,008	110	26,452,800	170	0.28	27	0.04	38	0.06	40	0.07	0.45	9.29	10.96
TOTALS:	**35,905**		**254,504,172**		**9.29**		**0.43**		**0.61**		**0.63**	**10.96**		

B-6 (PID Readings)

Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m3 VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
3/29/2008	50	74	222,000	1.7	4,468	0.06	0.06
6/2/2008	1,560	130	12,168,000	1.1	3,349	2.54	2.60
8/20/2008	1,896	110	12,513,600	0.5	2,229	1.74	4.34
9/12/2008	552	130	4,305,600	0.1	1,483	0.40	4.74
11/26/2008	1,800	110	11,880,000	0.2	1,669	1.24	5.98
8/21/2009	6,432	110	42,451,200	0.1	1,483	3.93	9.90
11/5/2009	1,824	130	14,227,200	0.1	1,483	1.32	11.22
2/5/2010	2,208	150	19,872,000	0.9	2,975	3.69	14.91
5/12/2010	2,304	93	12,856,320	1.7	4,468	3.58	18.49
10/15/2010	3,744	130	29,203,200	0.5	2,229	4.06	22.55
1/21/2011	2,352	130	18,345,600	0.4	2,042	2.34	24.89
5/11/2011	2,640	130	20,592,000	0.2	1,669	2.14	27.03
7/29/2011	4,536	110	29,937,600	0.3	1,856	3.47	30.50
10/25/2011	4,008	110	26,452,800	0.5	2,229	3.68	34.18
TOTALS:	**35,906**		**255,027,120**			**34.18**	

Lab Data for Air Mitigation System B-7
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
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7 (Lab Data)

Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m3 PCE	Lbs. PCE removed	µg/m3 TCE	Lbs. TCE removed	µg/m3 VC	Lbs. VC removed	µg/m3 cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed
4/7/2008	0.5	118	3,540	516	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00
4/8/2008	24	118	169,920	319	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00
4/24/2008	384	118	2,718,720	150	0.03	27	0.00	38	0.01	40	0.01	0.04	0.03	0.05
5/1/2008	168	120	1,209,600	265	0.02	27	0.00	38	0.00	40	0.00	0.03	0.05	0.08
6/2/2008	768	117	5,391,360	360	0.12	27	0.01	38	0.01	40	0.01	0.16	0.17	0.23
7/10/2008	912	118	6,456,960	367	0.15	27	0.01	38	0.02	40	0.02	0.19	0.32	0.42
9/12/2008	1,536	114	10,506,240	367	0.24	27	0.02	38	0.03	40	0.03	0.31	0.56	0.73
11/26/2008	1,800	112	12,096,000	381	0.29	27	0.02	38	0.03	40	0.03	0.37	0.85	1.10
3/24/2009	2,832	118	20,050,560	401	0.50	27	0.03	38	0.05	40	0.05	0.63	1.35	1.73
6/15/2009	1,992	118	14,103,360	34	0.03	27	0.02	38	0.03	40	0.03	0.12	1.38	1.85
8/21/2009	1,608	118	11,384,640	34	0.02	27	0.02	38	0.03	40	0.03	0.10	1.40	1.95
11/5/2009	1,824	118	12,913,920	34	0.03	27	0.02	38	0.03	40	0.03	0.11	1.43	2.06
2/5/2010	2,208	110	14,572,800	34	0.03	27	0.02	38	0.03	40	0.04	0.13	1.46	2.19
4/23/2010	1,848	130	14,414,400	34	0.03	27	0.02	38	0.03	40	0.04	0.13	1.49	2.32
7/23/2010	2,184	130	17,035,200	34	0.04	27	0.03	38	0.04	40	0.04	0.15	1.53	2.46
10/15/2010	2,016	130	15,724,800	34	0.03	27	0.03	38	0.04	40	0.04	0.14	1.56	2.60
1/21/2011	2,352	130	18,345,600	34	0.04	27	0.03	38	0.04	40	0.05	0.16	1.60	2.76
5/11/2011	2,640	130	20,592,000	34	0.04	27	0.03	38	0.05	40	0.05	0.18	1.64	2.94
7/29/2011	4,536	130	35,380,800	34	0.07	27	0.06	38	0.08	40	0.09	0.31	1.72	3.24
10/25/2011	4,008	152	36,552,960	34	0.08	27	0.06	38	0.09	40	0.09	0.32	1.79	3.56
TOTALS:	**35,641**		**269,623,380**		**1.79**		**0.45**		**0.65**		**0.67**	**3.56**		

B-7 (PID Readings)

Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m3 VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
6/2/2008	1,344	130	10,483,200	0.3	1,856	1.21	1.21
7/10/2008	912	110	6,019,200	0.5	2,229	0.84	2.05
9/12/2008	1,536	130	11,980,800	0.1	1,483	1.11	3.16
11/26/2008	1,800	110	11,880,000	0.2	1,669	1.24	4.40
8/21/2009	6,432	132	50,941,440	0.1	1,483	4.71	9.11
11/5/2009	1,824	130	14,227,200	0.0	1,296	1.15	10.26
2/5/2010	2,208	110	14,572,800	0.1	1,483	1.35	11.60
5/6/2010	2,160	130	16,848,000	0.0	1,296	1.36	12.97
10/15/2010	3,888	130	30,326,400	0.1	1,483	2.80	15.77
1/21/2011	2,352	130	18,345,600	0.1	1,483	1.70	17.47
5/11/2011	2,640	130	20,592,000	0.0	1,296	1.66	19.13
7/29/2011	4,536	130	35,380,800	0.3	1,856	4.10	23.23
10/25/2011	4,008	152	36,552,960	0.1	1,483	3.38	26.61
TOTALS:	**35,640**		**278,150,400**			**26.61**	

Michigan Plaza
Fourth Quarter 2011
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Cumulative Totals (B-1-B-4)

Sample Date	Lbs PCE Removed	Cumulative PCE lbs Removed	Lbs. Total Pollutants Removed	Cumulative Total Pollutant lbs Removed
9/21/2006	0.00	0.00	0.00	0.00
10/6/2006	2.36	2.36	2.43	2.43
10/13/2006	0.68	3.05	0.71	3.14
10/20/2006	0.98	4.03	1.01	4.14
11/17/2006	3.41	7.44	3.51	7.65
12/27/2006	4.52	11.95	4.67	12.32
3/30/2007	7.00	18.95	7.33	19.65
6/15/2007	4.64	23.59	6.55	26.20
10/16/2007	6.42	30.01	6.86	33.06
12/14/2007	5.31	35.33	5.53	38.59
3/27/2008	7.84	43.17	8.23	46.82
4/1/2008	1.20	44.36	1.25	48.07
6/2/2008	6.16	50.53	6.39	54.46
9/12/2008	8.69	59.22	9.05	63.51
11/26/2008	4.38	63.59	4.62	68.13
3/24/2009	7.64	71.24	8.02	76.15
6/15/2009	4.53	75.77	4.80	80.94
8/21/2009	3.90	79.67	4.14	85.08
11/5/2009	3.90	83.57	4.17	89.25
2/5/2010	1.81	85.38	2.03	91.28
4/23/2010	0.34	85.72	0.38	91.66
7/23/2010	1.55	87.27	1.72	93.38
10/15/2010	0.57	87.83	0.78	94.15
1/21/2011	0.63	88.46	0.77	94.93
4/8/2011	2.96	91.42	3.51	98.43
5/11/2011	3.61	95.03	3.86	102.30
7/29/2011	2.96	97.99	3.39	105.68
10/25/2011	1.92	99.91	2.32	108.00

Michigan Apartments
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Cumulative Totals (B-5-B-7)

Sample Date	Lbs PCE Removed	Cumulative PCE lbs Removed	Lbs. Total Pollutants Removed	Cumulative Total Pollutant lbs Removed
3/27/2008	0.00	0.00	0.00	0.00
3/28/2008	0.04	0.04	0.04	0.05
4/7/2008	0.00	0.04	0.00	0.05
4/8/2008	0.00	0.05	0.00	0.05
4/24/2008	0.34	0.39	0.42	0.47
5/1/2008	0.16	0.54	0.18	0.65
6/2/2008	0.77	1.31	0.87	1.52
7/10/2008	0.32	1.63	0.40	1.93
8/20/2008	1.56	3.19	1.65	3.58
9/12/2008	0.84	4.03	1.00	4.58
11/26/2008	1.22	5.25	1.46	6.04
3/24/2009	3.45	8.71	3.85	9.89
6/15/2009	0.89	9.60	1.17	11.06
8/21/2009	0.68	10.28	0.91	11.97
11/5/2009	1.40	11.67	1.75	13.71
2/5/2010	0.93	12.60	1.37	15.08
4/23/2010	0.15	12.76	0.32	15.40
7/23/2010	0.68	13.44	0.95	16.35
10/15/2010	0.23	13.66	0.43	16.78
1/21/2011	0.64	14.30	0.99	17.76
5/11/2011	1.24	15.55	1.65	19.41
7/29/2011	0.61	16.16	1.21	20.62
10/25/2011	0.75	16.91	1.34	21.96

Cumulative Total LBS Removed
Fourth Quarter 2011
10/25/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
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Cumulative Totals (B-1-B-7)				
Sample Date	Lbs PCE Removed	Cumulative PCE lbs Removed	Lbs. Total Pollutants Removed	Cumulative Total Pollutant lbs Removed
9/21/2006	0.00	0.00	0.00	0.00
10/6/2006	2.36	2.36	2.43	2.43
10/13/2006	0.68	3.05	0.71	3.14
10/20/2006	0.98	4.03	1.01	4.14
11/17/2006	3.41	7.44	3.51	7.65
12/27/2006	4.52	11.95	4.67	12.32
3/30/2007	7.00	18.95	7.33	19.65
6/15/2007	4.64	23.59	6.55	26.20
10/16/2007	6.42	30.01	6.86	33.06
12/14/2007	5.31	35.33	5.53	38.59
3/27/2008	7.84	43.17	8.23	46.82
3/28/2008	0.04	43.21	0.04	46.87
4/1/2008	1.20	44.41	1.25	48.12
4/7/2008	0.00	44.41	0.00	48.12
4/8/2008	0.00	44.41	0.00	48.12
4/24/2008	0.34	44.75	0.42	48.54
5/1/2008	0.16	44.91	0.18	48.72
6/2/2008	6.93	51.84	7.26	55.98
7/10/2008	0.32	52.16	0.40	56.39
8/20/2008	1.56	53.72	1.65	58.04
9/12/2008	9.53	63.25	10.05	68.09
11/26/2008	5.60	68.85	6.08	74.17
3/24/2009	11.10	79.94	11.87	86.03
6/15/2009	5.42	85.37	5.97	92.00
8/21/2009	4.59	89.95	5.05	97.05
11/5/2009	5.26	95.22	5.79	102.84
2/5/2010	2.71	97.92	3.27	106.11
4/23/2010	0.49	98.41	0.69	106.81
7/23/2010	2.23	100.64	2.67	109.47
10/15/2010	0.80	101.44	1.21	110.68
1/21/2011	1.26	102.70	1.76	112.44
4/8/2011	2.96	105.66	3.51	115.95
5/11/2011	4.85	110.52	5.51	121.46
7/29/2011	3.57	114.09	4.60	126.06
10/25/2011	2.67	116.76	3.66	129.71

APPENDIX C

Cumulative Low Flow Sampling Data

Appendix C
Low Flow Data
Quarter 3 2007
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	9/19/2007	16.360	7.2	1071.3	72.84	3082	244
MMW-8S	9/19/2007	17.410	7.8	777.8	63.10	2179	-48
MMW-9S	9/20/2007	17.450	7.8	1546.5	65.40	2914	263
MMW-10S	9/19/2007	16.170	7.4	1356.0	68.25	1901	262
MMW-11S	9/19/2007	16.430	7.6	882.9	61.52	2302	216
MMW-P-01	9/20/2007	19.690	7.6	1462.6	64.48	3446	208
MMW-P-02	9/19/2007	20.900	7.5	1046.3	63.84	2481	95
MMW-P-03S	9/20/2007	20.790	6.6	1285.8	64.94	4370	349
MMW-P-03D	9/19/2007	20.630	7.6	1281.9	63.98	2190	2
MMW-P-04	9/20/2007	20.490	7.2	1016.0	63.43	4739	367
MMW-P-05	9/19/2007	20.140	7.5	974.2	64.43	2469	188
MMW-P-06	9/19/2007	20.570	7.4	1471.8	64.34	2988	197
MMW-P-07	9/20/2007	18.840	7.6	1586.4	65.26	2460	291
MMW-P-08	9/20/2007	18.610	7.6	1312.0	65.80	2608	300
MMW-P-09S	9/19/2007	20.170	7.6	997.1	58.79	3040	165
MMW-P-09D	9/19/2007	20.350	7.7	932.4	57.65	2063	68
MMW-P-10S	9/19/2007	18.300	7.3	1911.4	64.88	3019	229
MMW-P-10D	9/19/2007	18.690	7.4	851.8	63.29	3722	141
MMW-168S	9/19/2007	18.340	6.5	1557.3	80.64	3475	304
MMW-168D	9/19/2007	18.260	7.5	977.8	62.99	4153	26

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 4 2007
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	12/13/2007	15.68	4.0	900.65	74.35	6435	428
MMW-8S	12/13/2007	16.78	6.0	1.45	59.65	91753	230
MMW-9S	12/12/2007	16.45	5.0	1339.87	66.14	9525	172
MMW-10S	12/12/2007	15.58	5.3	1279.48	67.94	6165	253
MMW-11S	12/13/2007	15.77	4.3	734.48	60.48	40779	397
MMW-P-01	12/14/2007	19.13	3.8	1326.96	64.38	2671	360
MMW-P-03S	12/13/2007	20.19	6.4	1185.54	62.87	6153	273
MMW-P-03D	12/13/2007	20.10	5.4	789.51	58.30	10627	265
MMW-P-04	12/13/2007	23.33	5.7	519.68	63.89	11920	300
MMW-P-05	12/14/2007	19.57	5.8	1155.00	62.83	8247	286
MMW-P-06	12/14/2007	20.06	5.6	1574.95	63.72	8032	305
MMW-P-07	12/13/2007	18.17	3.5	1060.61	63.79	8224	208
MMW-P-08	12/14/2007	18.03	5.8	722.63	63.84	6935	158
MMW-P-09S	12/12/2007	19.98	3.9	930.96	58.91	6039	406
MMW-P-09D	12/12/2007	19.76	5.1	866.12	56.60	10632	316
MMW-P-10S	12/12/2007	17.58	5.3	1279.48	67.94	6165	253
MMW-P-10D	12/14/2007	17.95	5.9	831.77	62.61	7541	157
MMW-168D	12/12/2007	17.22	5.3	1061.99	63.27	11511	263

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 1 2008
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (^oF)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	3/21/2008	14.150	2.2	3752.58	59.08	1650	230
MMW-8S	3/20/2008	15.310	2.8	0.29	63.35	2754	180
MMW-9S	3/21/2008	15.190	2.0	5173.38	60.25	918	44
MMW-10S	3/21/2008	14.080	2.0	5519.90	63.03	1251	102
MMW-11S	3/20/2008	14.180	1.8	3617.55	48.80	14.74	200
MMW-P-02	3/20/2008	18.610	1.4	5619.07	62.11	1656	211
MMW-P-03S	3/20/2008	18.390	1.3	4637.44	62.02	1635	155
MMW-P-03D	3/20/2008	18.280	1.4	5093.33	61.99	1568	-110
MMW-P-04	3/20/2008	18.520	1.6	1715.12	59.56	1644	44
MMW-P-05	3/20/2008	17.920	2.1	0.28	53.40	3253	233
MMW-P-06	3/20/2008	18.340	1.9	6086.21	61.77	1475	-143
MMW-P-07	3/21/2008	16.690	2.1	4293.47	345.70	900	29
MMW-P-08	3/21/2008	16.440	1.8	6062.47	60.10	933	4
MMW-P-09S	3/21/2008	18.600	2.0	5173.38	60.25	918	44
MMW-P-09D	3/20/2008	18.330	2.5	3920.33	55.30	2151	230
MMW-P-10S	3/20/2008	15.650	1.4	8898.20	58.57	1934	104
MMW-P-10D	3/20/2008	16.390	1.7	4589.68	61.52	1560	-92
MMW-168S	3/20/2008	15.830	1.9	5636.62	58.34	1689	250
MMW-168D	3/20/2008	15.650	2.2	4065.21	61.58	1432	222

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 2 2008
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (^oF)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	6/6/2008	14.80	-3.7	3346.10	65.15	6165	1286
MMW-2S	6/2/2008	14.20	7.0	867.68	57.26	4402	-147
MMW-4D	6/2/2008	12.52	7.1	1091.63	57.18	2942	-269
MMW-5D	6/2/2008	12.59	7.1	1091.63	57.18	2942	-269
MMW-8S	6/6/2008	15.74	-0.6	3385.17	64.28	7697	1271
MMW-9S	6/6/2008	15.50	6.9	1223.00	61.15	48.13	-180
MMW-10S	6/6/2008	14.90	6.7	1604.62	65.35	4463	-230
MMW-11S	6/5/2008	13.84	7.1	723.78	62.82	4351	-229
MMW-P-01	6/5/2008	17.91	7.1	1003.45	62.94	4351	-229
MMW-P-05	6/5/2008	18.34	6.9	1416.91	67.47	3952	-226
MMW-P-06	6/5/2008	18.44	6.9	1150.56	63.12	4357	-236
MMW-P-07	6/5/2008	17.00	7.1	980.38	63.65	4330	-206
MMW-P-09S	6/5/2008	18.65	7.0	1118.24	69.87	4765	-130
MMW-P-09D	6/5/2008	18.48	7.0	963.64	60.28	4210	-197
MMW-168S	6/5/2008	16.72	6.8	1395.01	60.18	5235	-142
MMW-168D	6/5/2008	16.70	6.9	1283.44	82.49	4498	-167
MMW-170S	6/3/2008	19.69	7.1	1442.53	58.71	3706	-186
MMW-170D	6/3/2008	19.61	7.1	969.53	59.48	3384	-174

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 3 2008
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (ºF)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-9S	9/10/2008	15.50	7.3	0.31	72.30	7965	481
MMW-10S	9/10/2008	14.90	6.5	4517.29	69.04	8796	308
MMW-11S	9/10/2008	13.84	6.8	0.34	64.72	10030	338
MMW-P-01	9/11/2008	17.91	7.0	0.40	80.35	6234	14
MMW-P-03S	9/11/2008	18.88	6.9	0.27	79.64	6369	-101
MMW-P-05	9/11/2008	18.34	7.0	0.46	78.15	6667	-168
MMW-P-06	9/11/2008	18.44	7.1	0.25	69.78	8600	-266
MMW-P-07	9/11/2008	17.00	6.8	0.69	81.72	5980	-439
MMW-P-08	9/11/2008	16.85	6.7	0.74	76.18	7077	-344
MMW-P-09S	9/10/2008	18.65	7.3	0.25	69.71	8617	467
MMW-P-09D	9/10/2008	18.48	7.1	0.30	62.91	10601	200
MMW-P-10D	9/11/2008	17.01	7.0	0.37	72.18	7995	45
MMW-C-01	9/10/2008	-	7.5	0.26	70.97	8293	477

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 4 2008
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (ºF)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	11/20/2008	16.38	6.8	3046.01	60.43	533	829
MMW-8S	11/20/2008	17.28	7.1	2761.42	62.48	515	487
MMW-9S	11/20/2008	17.43	6.5	4141.29	64.28	558	419
MMW-10S	11/20/2008	16.53	6.6	4320.54	67.34	585	545
MMW-11S	11/20/2008	16.36	7.0	2954.86	61.19	518	782
MMW-P-01	11/19/2008	19.68	6.9	-	63.64	2183	1070
MMW-P-02	11/19/2008	20.91	6.7	-	62.16	3885	221
MMW-P-03S	11/19/2008	20.73	6.9	-	63.40	3027	574
MMW-P-03D	11/19/2008	20.61	6.8	-	62.37	3453	127
MMW-P-05	11/19/2008	20.14	7.0	-	62.17	3050	811
MMW-P-06	11/19/2008	20.57	6.8	-	62.93	2652	870
MMW-P-07	11/19/2008	18.56	6.9	-	63.56	2397	715
MMW-P-08	11/19/2008	18.42	6.5	-	64.85	2027	846
MMW-P-09S	11/19/2008	20.44	7.0	-	58.45	1628	1129
MMW-P-09D	11/19/2008	20.25	7.1	-	56.35	1534	1108
MMW-P-10S	11/19/2008	18.12	6.9	-	64.84	1872	1106
MMW-P-10D	11/19/2008	18.67	6.9	-	62.61	1973	1034
MMW-C-01	11/20/2008	20.25	6.8	2907.86	61.81	480	491
MMW-C-02	11/20/2008	19.60	6.9	2806.68	57.23	476	931
MMW-168D	11/20/2008	18.23	6.9	3318.77	62.41	504	530

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 1 2009
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	3/16/2009	16.17	6.7	2794.00	60.18	4879	484
MMW-8S	3/16/2009	16.92	6.6	2647.01	60.85	2188	698
MMW-9S	3/16/2009	17.06	6.8	3678.06	62.36	4601	222
MMW-10S	3/16/2009	16.17	6.9	3510.36	64.09	5003	159
MMW-11S	3/16/2009	15.95	6.6	2887.15	59.77	2540	738
MMW-11D	3/16/2009	16.02	6.6	2745.44	61.10	2969	715
MMW-12S	3/16/2009	15.18	6.6	2817.69	59.91	4079	606
MMW-13D	3/16/2009	-	6.6	2420.56	61.50	3463	662
MMW-14D	3/18/2009	14.95	6.7	2190.74	61.60	850	780
MMW-P-01	3/17/2009	19.09	6.8	3419.37	63.25	929	468
MMW-P-02	3/17/2009	20.19	6.7	3641.02	62.48	852	858
MMW-P-03S	3/17/2009	20.05	6.7	3372.09	62.75	812	809
MMW-P-03D	3/17/2009	19.94	6.7	3253.15	62.97	806	757
MMW-P-05	3/17/2009	19.52	6.6	2669.54	60.88	864	838
MMW-P-06	3/17/2009	19.91	6.7	3884.36	62.27	1063	710
MMW-P-07	3/17/2009	18.10	6.8	4022.29	63.10	880	745
MMW-P-08	3/17/2009	17.99	6.8	4083.50	62.16	876	674
MMW-P-09S	3/17/2009	18.02	6.5	2248.31	55.70	1019	858
MMW-P-09D	3/17/2009	19.62	6.6	2615.95	56.90	819	834
MMW-P-10S	3/17/2009	17.82	6.8	3958.16	60.94	863	653
MMW-P-10D	3/17/2009	18.21	6.6	2733.68	62.47	838	574
MMW-C-01	3/17/2009	19.47	6.6	2701.97	61.77	770	693
MMW-C-02	3/17/2009	18.89	6.6	2506.91	57.22	811	867
MMW-168D	3/17/2009	17.89	6.6	2948.13	61.86	871	795

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 2 2009
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (ºF)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	6/15/2009	14.76	No Low Flow Data Recorded for this Quarter				
MMW-8S	6/15/2009	15.61					
MMW-9S	6/15/2009	15.85					
MMW-10S	6/15/2009	15.01					
MMW-11S	6/15/2009	14.64					
MMW-P-01	6/15/2009	17.44					
MMW-P-02	6/15/2009	18.38					
MMW-P-03S	6/15/2009	18.25					
MMW-P-03D	6/15/2009	18.15					
MMW-P-04	6/15/2009	18.01					
MMW-P-05	6/15/2009	18.83					
MMW-P-06	6/15/2009	18.17					
MMW-P-07	6/15/2009	16.54					
MMW-P-08	6/15/2009	16.50					
MMW-P-09S	6/15/2009	18.20					
MMW-P-09D	6/15/2009	18.40					
MMW-P-10S	6/15/2009	16.50					
MMW-P-10D	6/15/2009	16.74					
MMW-168S	6/15/2009	16.80					
MMW-168D	6/15/2009	16.71					

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 3 2009
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (ºF)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-8S	8/5/2009	15.97	7.1	1024.33	61.63	2439	-160
MMW-11S	8/5/2009	15.09	7.0	951.53	62.49	2457	127
MMW-11D	8/5/2009	14.89	7.1	830.12	61.65	2358	41
MMW-13D	8/5/2009	14.85	7.2	866.95	63.29	2502	-49
MMW-14D	8/5/2009	13.92	7.1	763.82	62.02	2440	-83

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 4 2009
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	11/2/2009	15.73	6.7	1235.44	64.60	1900	-28
MMW-8S	11/2/2009	16.80	7.0	955.41	64.25	1805	-71
MMW-9S	11/2/2009	17.04	6.6	1396.37	66.55	1861	35
MMW-10S	11/2/2009	-	6.6	1683.57	67.65	1970	-15
MMW-11S	11/2/2009	-	6.9	981.81	63.23	1847	40
MMW-11D	11/2/2009	-	7.0	889.30	61.78	2495	-23
MMW-12S	11/2/2009	-	6.9	948.21	65.35	1885	116
MMW-14D	11/2/2009	14.90	7.1	782.66	60.79	1820	1
MMW-P-01	11/3/2009	19.07	6.7	1824.15	63.48	1774	-48
MMW-P-02	11/3/2009	20.19	7.0	1006.19	61.88	2066	98
MMW-P-03S	11/3/2009	20.05	6.9	1162.90	63.95	1783	-81
MMW-P-03D	11/3/2009	20.06	6.8	1406.29	62.99	1791	-48
MMW-P-05	11/3/2009	19.44	7.0	1036.88	62.55	1842	-70
MMW-P-06	11/3/2009	20.05	6.9	1276.43	62.46	1631	-105
MMW-P-07	11/3/2009	18.19	6.6	2224.11	63.28	1745	-72
MMW-P-08	11/3/2009	17.80	6.5	1547.62	64.58	1676	-74
MMW-P-09S	11/3/2009	19.90	6.9	810.17	60.02	2892	174
MMW-P-09D	11/3/2009	19.82	7.1	897.83	56.97	1717	-59
MMW-P-10S	11/3/2009	17.76	6.8	705.52	65.19	1566	-112
MMW-P-10D	11/3/2009	18.00	6.8	1104.13	62.40	1699	-98
MMW-C-01	11/3/2009	19.85	6.9	983.51	63.80	1765	-100
MMW-C-02	11/3/2009	19.25	6.8	784.90	58.07	1811	24
MMW-168D	11/4/2009	18.00	6.8	1070.78	61.97	7162	-107

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 1 2010
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (^{o}F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	2/3/2010	16.13	6.7	1163.71	60.87	5359	-47
MMW-8S	2/3/2010	17.15	7.0	840.91	57.80	46.38	-49
MMW-9S	2/3/2010	17.33	6.6	1372.18	61.81	5596	11
MMW-10S	2/3/2010	16.29	6.6	1547.07	60.44	5474	-43
MMW-11S	2/3/2010	16.12	6.9	1043.16	56.74	4936	-24
MMW-11D	2/3/2010	16.29	6.9	939.19	59.82	4812	-1
MMW-12S	2/3/2010	15.41	6.8	1038.47	60.30	5624	251
MMW-13D	2/3/2010	16.10	7.2	700.22	58.89	5090	-75
MMW-14D	2/3/2010	15.20	7.0	779.17	59.40	5793	303
MMW-P-01	2/4/2010	19.29	6.9	1530.40	62.01	697	-132
MMW-P-02	2/4/2010	20.29	6.8	1324.05	60.42	693	272
MMW-P-03S	2/4/2010	20.20	6.9	1303.45	62.38	751	-63
MMW-P-03D	2/4/2010	20.20	6.7	1360.53	61.96	661	64
MMW-P-04	2/2/2010	-	6.9	827.41	58.95	1005	199
MMW-P-05	2/4/2010	19.64	7.0	787.24	59.62	724	-83
MMW-P-06	2/4/2010	20.24	7.0	927.09	61.92	725	-86
MMW-P-07	2/4/2010	18.46	6.7	1800.27	61.71	721	-92
MMW-P-08	2/4/2010	18.09	6.6	1629.37	61.63	631	-86
MMW-P-09S	2/3/2010	19.94	6.9	701.41	56.41	3997	-51
MMW-P-09D	2/3/2010	19.92	7.1	862.01	55.67	4243	-78
MMW-P-10S	2/4/2010	18.28	6.7	1663.47	60.85	614	-93
MMW-P-10D	2/4/2010	18.06	6.8	992.55	60.70	619	-101
MMW-C-01	2/3/2010	19.98	6.9	758.54	61.77	3818	-59
MMW-C-02	2/3/2010	19.33	6.8	778.88	57.33	3782	76
MMW-168D	2/4/2010	18.03	6.9	941.82	60.88	469	-74

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 2 2010
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	4/22/2010	15.91	6.8	1309.12	61.99	2753	-43
MMW-2S	4/22/2010	-	7.2	786.37	63.60	7865	107
MMW-3S	4/20/2010	12.70	7.2	932.59	49.62	454	75
MMW-4D	4/20/2010	13.69	7.1	1209.81	54.87	379	0
MMW-5D	4/20/2010	13.48	7.1	1063.96	48.50	304	126
MMW-6D	4/20/2010	14.51	7.4	1060.86	46.91	362	51
MMW-7S	4/20/2010	14.10	6.8	1013.16	63.54	637	200
MMW-8S	4/22/2010	16.88	7.1	891.80	60.32	1303	-47
MMW-9S	4/22/2010	17.16	6.6	2012.35	63.68	1456	-61
MMW-10S	4/22/2010	16.06	6.6	1835.07	64.68	1396	-91
MMW-11S	4/22/2010	15.86	7.0	959.55	59.09	1807	103
MMW-11D	4/22/2010	16.03	7.0	945.64	60.39	1325	96
MMW-12S	4/20/2010	15.25	7.0	1046.17	58.76	234	170
MMW-13D	4/22/2010	15.81	7.1	828.29	61.59	1743	-55
MMW-14D	4/20/2010	15.02	7.1	750.80	61.27	231	111
MMW-P-01	4/22/2010	18.80	7.1	1493.75	61.95	1376	-255
MMW-P-02	4/22/2010	19.72	7.0	1346.32	60.07	148	256
MMW-P-03S	4/22/2010	19.65	6.9	970.51	62.33	170	-63
MMW-P-03D	4/22/2010	19.63	6.9	1143.79	62.02	143	-16
MMW-P-04	4/21/2010	19.65	7.0	808.10	65.49	237	-47
MMW-P-05	4/22/2010	19.16	7.0	1003.09	60.21	1663	-26
MMW-P-06	4/22/2010	19.72	6.9	1129.17	60.95	1405	-106
MMW-P-07	4/22/2010	18.07	6.7	1924.80	61.08	1400	-154
MMW-P-08	4/22/2010	17.74	6.7	1804.33	60.11	1408	-202
MMW-P-9S	4/22/2010	19.47	7.1	640.05	57.71	2699	69
MMW-P-9D	4/22/2010	19.44	7.1	884.73	57.54	1360	-65
MMW-P-10S	4/22/2010	17.69	7.0	971.25	60.76	1564	-200
MMW-P-10D	4/22/2010	17.95	7.1	856.97	61.77	1371	-192
MMW-C-01	4/21/2010	19.40	7.1	723.37	6050.00	174	57
MMW-C-02	4/21/2010	18.80	6.9	786.28	56.92	177	202
MMW-168D	4/21/2010	17.81	6.9	1128.46	61.80	190	53
MMW-169S	4/21/2010	19.70	7.1	848.37	58.42	228	-49
MMW-169D	4/21/2010	19.78	7.1	783.49	59.50	207	-53
MMW-170S	4/21/2010	20.41	7.0	1489.91	59.08	162	90
MMW-170D	4/21/2010	20.34	7.1	1148.57	59.67	190	87
MMW-171D	4/21/2010	15.95	7.1	688.13	54.68	205	53
MMW-167S	4/21/2010	19.43	6.9	1212.34	58.04	173	102
MMW-167D	4/21/2010	18.61	8.3	803.34	60.16	163	64

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 3 2010
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (^oF)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	7/21/2010	15.36	6.6	1543.32	67.00	2413	18
MMW-8S	7/21/2010	16.27	7.0	995.05	61.99	1709	-32
MMW-9S	7/21/2010	16.51	6.6	1485.92	63.56	3403	-60
MMW-10S	7/20/2010	15.46	6.6	1806.61	66.06	2423	-56
MMW-11S	7/21/2010	15.25	7.0	1037.29	60.95	1751	50
MMW-11D	7/21/2010	15.41	7.0	960.85	61.68	1820	36
MMW-12S	7/20/2010	14.67	7.0	932.53	64.21	10359	160
MMW-13D	7/20/2010	15.21	7.2	823.77	63.91	1906	-38
MMW-14D	7/20/2010	14.45	7.1	803.56	61.89	4430	-55
MMW-P-01	7/21/2010	18.06	6.8	1421.25	64.54	2113	-130
MMW-P-02	7/21/2010	18.92	6.9	1121.84	62.11	1806	-10
MMW-P-03S	7/21/2010	18.85	6.8	1300.24	65.37	2016	-72
MMW-P-03D	7/21/2010	18.84	6.8	1084.75	64.30	2235	-125
MMW-P-04	7/22/2010	18.75	6.7	964.16	74.50	3591	-40
MMW-P-05	7/21/2010	18.40	6.9	1101.45	61.90	2067	-80
MMW-P-06	7/21/2010	18.95	7.0	1448.34	63.11	2001	-112
MMW-P-07	7/22/2010	17.35	6.6	1605.51	66.85	3369	-55
MMW-P-08	7/22/2010	17.01	6.8	939.29	65.43	3994	-70
MMW-P-09S	7/22/2010	18.87	7.0	1077.88	61.78	5477	27
MMW-P-09D	7/22/2010	18.85	7.2	929.01	57.92	3702	-59
MMW-P-10S	7/21/2010	16.86	6.9	900.75	63.63	1868	-105
MMW-P-10D	7/22/2010	17.21	6.8	913.11	61.12	2694	-27
MMW-C-01	7/22/2010	18.61	7.0	792.01	62.07	5588	47
MMW-C-02	7/22/2010	18.12	6.9	755.80	57.65	2670	30
MMW-168D	7/22/2010	17.22	6.9	1194.59	63.03	4678	-53
MMW-171D	7/22/2010	15.35	7.1	1001.94	60.97	4607	-47

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 4 2010
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (ºF)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	10/12/2010	16.55	6.6	1518.29	68.14	5576	-229
MMW-8S	10/12/2010	17.60	7.1	879.84	64.88	124	-274
MMW-9S	10/12/2010	17.79	6.6	1540.05	65.73	564	-308
MMW-10S	10/12/2010	16.82	6.6	1852.22	68.31	951	-261
MMW-11S	10/12/2010	16.73	7.0	954.24	62.83	301	-217
MMW-11D	10/12/2010	16.61	7.0	953.96	61.59	209	-221
MMW-12S	10/12/2010	15.83	6.9	1026.00	66.50	349	-155
MMW-13D	10/12/2010	16.55	7.3	759.80	62.51	116	-255
MMW-14D	10/12/2010	15.62	7.1	820.21	61.62	221	-224
MMW-P-01	10/14/2010	19.82	6.8	1382.53	64.53	203	-164
MMW-P-02	10/13/2010	20.88	6.9	1089.71	64.13	281	-209
MMW-P-03S	10/13/2010	20.75	6.9	1333.00	65.29	270	-274
MMW-P-03D	10/13/2010	20.75	6.7	1358.04	63.84	269	-246
MMW-P-04	10/13/2010	20.65	6.7	1025.25	68.69	869	-203
MMW-P-05	10/13/2010	20.19	6.9	917.79	63.87	250	-240
MMW-P-06	10/14/2010	20.77	6.9	1194.85	62.94	162	-121
MMW-P-07	10/14/2010	19.16	6.6	2187.63	64.54	359	-148
MMW-P-08	10/14/2010	18.60	6.7	1923.74	65.39	395	-175
MMW-P-09S	10/13/2010	20.47	6.9	725.62	60.76	1026	-105
MMW-P-09D	10/13/2010	20.42	7.1	903.03	57.58	694	-282
MMW-P-10S	10/14/2010	18.58	6.6	1681.66	64.62	404	-154
MMW-P-10D	10/14/2010	18.74	6.7	1341.39	62.52	351	-165
MMW-C-01	10/13/2010	20.53	6.9	834.61	68.27	3883	-29
MMW-C-02	10/13/2010	19.86	6.8	717.42	58.64	212	-175
MMW-168D	10/13/2010	18.45	6.8	1184.43	63.67	350	-230

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 1 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (^oF)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	1/19/2011	16.41	6.84	1190.25	63.82	2245	231
MMW-8S	1/19/2011	17.46	6.71	1002.28	60.92	969	231
MMW-9S	1/19/2011	16.67	6.90	1500.34	65.13	2815	231
MMW-10S	1/19/2011	16.73	6.91	1523.30	65.42	2654	231
MMW-11S	1/19/2011	16.60	6.70	975.51	60.78	305	231
MMW-11D	1/19/2011	16.43	6.69	885.71	60.58	292	231
MMW-12S	1/18/2011	15.73	6.57	1050.46	58.03	640	231
MMW-13D	1/19/2011	16.43	6.64	697.03	59.56	230	231
MMW-14D	1/18/2011	15.51	6.67	812.66	60.22	247	231
MMW-P-01	1/20/2011	19.77	6.79	1609.82	62.72	1354	231
MMW-P-02	1/19/2011	20.78	6.74	1256.75	61.65	1617	231
MMW-P-03S	1/19/2011	20.65	6.77	905.25	62.40	1417	231
MMW-P-03D	1/19/2011	20.66	6.28	1149.72	51.92	2351	231
MMW-P-04	2/14/2011	20.42	6.66	671.16	60.31	836	232
MMW-P-05	1/20/2011	20.09	6.69	987.93	60.65	174	231
MMW-P-06	1/20/2011	20.67	6.80	1263.52	62.86	1062	231
MMW-P-07	1/20/2011	19.10	6.74	1346.97	61.61	1377	231
MMW-P-08	1/20/2011	18.48	6.79	1965.45	62.64	1907	231
MMW-P-09S	1/19/2011	20.37	6.56	711.48	57.74	1732	231
MMW-P-09D	1/19/2011	20.39	6.12	788.66	48.67	1079	230
MMW-P-10S	1/20/2011	18.46	6.74	1009.04	61.71	1102	231
MMW-P-10D	1/20/2011	18.63	6.74	1338.66	61.64	1155	231
MMW-C-01	1/19/2011	20.43	6.77	741.54	62.33	1522	231
MMW-C-02	1/19/2011	19.80	6.58	705.01	58.24	1651	231
MMW-168D	3/24/2011	18.35	6.48	1010.28	61.07	2066	226

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 2 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (ºF)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	5/4/2011	14.02	6.77	1258.14	57.48	2771	-79
MMW-2S	4/30/2011	13.66	7.29	619.45	53.88	9482	21
MMW-3S	5/4/2011	10.74	7.17	892.31	51.23	587	-228
MMW-4D	4/29/2011	11.74	7.07	1227.55	55.89	764	-104
MMW-5D	4/29/2011	11.62	7.31	1472.31	49.09	266	-233
MMW-6D	4/29/2011	12.66	7.32	1238.84	49.81	142	-251
MMW-7S	5/4/2011	12.25	6.85	1080.07	45.90	1321	-205
MMW-8S	4/30/2011	15.10	6.83	1907.78	59.00	200	-164
MMW-9S	5/4/2011	15.20	6.69	1878.63	60.02	235	-255
MMW-10S	5/4/2011	14.25	6.67	1630.21	61.14	243	-247
MMW-11S	4/30/2011	14.15	7.16	850.09	56.47	4373	-30
MMW-11D	4/30/2011	14.00	7.04	906.08	59.97	349	-123
MMW-12S	4/30/2011	13.36	6.92	1075.03	58.36	296	-118
MMW-13D	4/30/2011	13.95	7.18	877.93	51.25	340	-128
MMW-14D	4/30/2011	13.16	7.16	738.41	59.68	397	-150
MMW-P-01	5/5/2011	16.91	6.68	1977.55	59.99	1003	-176
MMW-P-02	5/4/2011	17.79	6.92	1263.93	60.08	321	-245
MMW-P-03S	5/4/2011	17.68	6.83	1227.4	61.32	234	-287
MMW-P-03D	5/4/2011	17.70	6.82	1194.85	61.01	267	-294
MMW-P-04	5/5/2011	17.54	7.07	465.72	59.47	1389	-185
MMW-P-05	4/30/2011	17.20	6.99	1036.89	59.68	209	-257
MMW-P-06	5/4/2011	17.76	6.89	1338.09	60.08	225	-296
MMW-P-07	5/4/2011	16.33	6.67	1632.14	59.65	346	-242
MMW-P-08	5/4/2011	15.90	6.81	920.74	58.78	221	-272
MMW-P-09S	4/30/2011	17.67	7.12	587.05	53.94	5288	0
MMW-P-09D	4/30/2011	17.64	7.17	851.48	57.08	347	-184
MMW-P-10S	5/5/2011	15.56	7.51	329.62	54.14	101	-341
MMW-P-10D	5/5/2011	16.00	7.08	597.66	59.47	160	-300
MMW-C-01	5/5/2011	17.01	7.41	463.16	56.54	9253	-75
MMW-C-02	4/30/2011	17.35	6.89	689.17	56.65	3184	-17
MMW-167S	4/29/2011	16.30	7.1	916.54	56.36	7894	75
MMW-167D	4/29/2011	16.23	7.14	910.09	59.29	251	-116
MMW-168D	4/29/2011	16.00	6.93	1056.67	61.55	206	-199
MMW-169S	4/29/2011	18.09	6.91	975.38	56.07	3567	19
MMW-169D	4/29/2011	17.83	7.04	880	58.55	232	-177
MMW-170S	4/29/2011	18.71	6.99	1241.04	57.31	486	-44
MMW-170D	4/29/2011	18.65	7.12	1039.74	59.25	282	-142
MMW-171S	4/29/2011	13.92	6.98	798.8	53.06	4282	70
MMW-171D	4/29/2011	14.10	7.01	887.76	55.34	377	-164

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 3 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (^oF)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	7/28/2011	15.70	6.56	1473.98	65.99	730	-179
MMW-8S	7/26/2011	16.82	6.58	2259.31	81.79	2202	-47
MMW-9S	7/27/2011	16.91	6.52	1835.33	62.55	434	-187
MMW-10S	7/27/2011	15.92	6.58	1734.55	66.62	513	-158
MMW-11S	7/26/2011	15.76	6.87	764.47	61.66	250	-169
MMW-11D	7/26/2011	15.93	6.82	989.47	64.76	394	-156
MMW-12S	7/26/2011	15.02	6.76	1006.61	63.05	400	-114
MMW-13D	7/26/2011	15.76	7.03	913.7	63.75	1428	-204
MMW-14D	7/26/2011	14.80	6.96	827.15	61.22	262	-183
MMW-P-01	7/28/2011	19.06	6.7	1508.75	64.16	628	-161
MMW-P-02	7/27/2011	20.25	6.86	1083.82	65.02	322	-225
MMW-P-03S	7/27/2011	20.05	6.75	1290.23	66.31	412	-175
MMW-P-03D	7/27/2011	20.07	6.81	1284.67	65.32	367	-192
MMW-P-04	7/28/2011	19.90	6.67	1363.11	71.04	1011	-174
MMW-P-05	7/27/2011	19.42	6.8	1436.68	64.29	607	-184
MMW-P-06	7/28/2011	20.05	6.85	1302.64	64.65	812	-198
MMW-P-07	7/28/2011	18.25	8.33	2098.5	64.30	765	-161
MMW-P-08	7/27/2011	17.79	6.544	2323.74	64.47	597	-146
MMW-P-09S	7/26/2011	19.99	6.78	882.4	58.32	1473	-85
MMW-P-09D	7/26/2011	19.93	6.98	919.04	60.33	567	-198
MMW-P-10S	7/27/2011	17.41	6.69	1538.33	64.52	543	-170
MMW-P-10D	7/27/2011	17.91	6.82	1073.2	65.70	539	-162
MMW-C-01	7/27/2011	19.81	6.8	1156.65	62.38	707	-190
MMW-C-02	7/27/2011	19.34	6.72	811.88	59.32	694	-146
MMW-168D	7/28/2011	17.56	6.75	1476.13	65.24	528	-163

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 4 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (ºF)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	10/19/2011	16.41	6.76	1172.0	64.67	170	-60
MMW-8S	10/24/2011	17.46	7.01	1016.0	63.37	190	-90
MMW-9S	10/24/2011	17.67	6.62	2035.0	65.46	180	-40
MMW-10S	10/19/2011	16.70	6.73	1646.0	65.11	200	-70
MMW-11S	10/21/2011	16.40	7.0	1108.0	62.02	260	140
MMW-11D	10/21/2011	16.43	7.10	917.0	61.0	200	0
MMW-12S	10/18/2011	15.70	6.52	1063.0	64.58	180	220
MMW-13D	10/18/2011	16.43	7.28	789.9	61.37	180	-100
MMW-14D	10/19/2011	15.48	6.78	844.7	60.54	240	-50
MMW-P-01	10/24/2011	19.71	6.76	1694.0	65.01	120	-90
MMW-P-02	10/19/2011	19.78	6.93	1174.0	62.44	210	-50
MMW-P-03S	10/19/2011	20.65	6.84	1416.0	64.11	190	-90
MMW-P-03D	10/18/2011	20.70	6.87	1377.0	63.27	150	-150
MMW-P-04	10/24/2011	20.58	6.87	874.2	66.05	520	-150
MMW-P-05	10/19/2011	20.11	7.11	559.7	64.48	230	-120
MMW-P-06	10/24/2011	20.69	6.92	1169.0	63.67	160	-90
MMW-P-07	10/24/2011	19.02	6.66	1492.0	63.93	110	-60
MMW-P-08	10/24/2011	18.45	6.68	1308.0	65.30	110	-90
MMW-P-09S	10/18/2011	20.43	6.90	850.9	59.42	760	160
MMW-P-09D	10/21/2011	20.39	7.17	855.0	58.16	200	-90
MMW-P-10S	10/21/2011	18.39	6.90	592.0	67.11	110	-90
MMW-P-10D	10/17/2011	18.62	6.86	1039.0	63.42	160	-80
MMW-C-01	10/21/2011	20.48	6.92	756.5	63.52	340	-30
MMW-C-02	10/18/2011	19.86	6.82	779.9	58.42	180	80
MMW-168D	10/24/2011	18.33	6.87	1209.0	64.46	200	-100

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts