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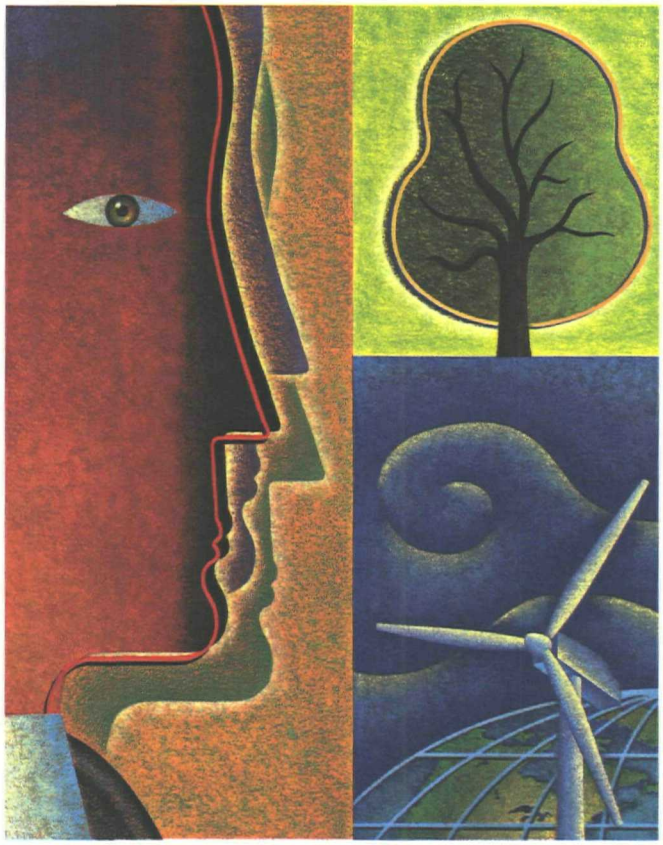
2007 Remedial Action Annual Report

Medley Farm NPL Site
Gaffney, South Carolina

February 2008



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2007 Remedial Action Annual Report

Medley Farm NPL Site

Gaffney, South Carolina

February 2008

Prepared For
Medley Farm Site Steering Committee

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Executive Summary

The 2007 annual report for the Medley Farm National Priorities List (NPL) Site (site) provides a summary and evaluation of the site-wide groundwater monitoring event conducted in September 2007, as well as responses to state and federal comments received pursuant to the 2006 annual report.

Groundwater sampling results from the nutrient injections and the performance monitoring performed to date indicate that the nutrient injections have been successful in reducing site volatile organic compound (VOC) concentrations to below water quality conditions observed during the initial baseline monitoring. Due to the success of these injection activities, one of the significant recommendations of the *2006 Annual Report* (RMT, 2007) was to suspend further active treatment measures during the remainder of 2007 and allow the site to return to equilibrium conditions.

The last nutrient injection event was conducted in July/August 2006. A site-wide performance monitoring event was subsequently conducted in September 2007 to evaluate:

- Changes in groundwater quality after a one-year hiatus in nutrient injection,
- Changes in groundwater quality affecting VOC degradation potential,
- Continued progress of observed degradation of site VOCs,
- Persistence of the nutrient treatment solution (injectant) in the aquifer,
- Differences in VOC concentration, over time, in wells where sampling methods changed, and
- Hydraulic gradients, groundwater flow directions and VOC migration pathways as they relate to current VOC distributions.

The objectives of the 2007 annual report are to:

- Describe and document the results of the site-wide monitoring event conducted in September 2007 after a hiatus of approximately 10 months from the last performance monitoring event and one-year after the last nutrient injection event.
- Evaluate and assess the continued effectiveness of the enhanced reductive dechlorination process in reducing the observed concentrations and distribution of VOCs in site groundwater.

- Evaluate the remedial action goals of the site in conjunction with the enhanced reductive dechlorination process and an eventual transition of the project to monitored natural attenuation (MNA) status.
- Evaluate the performance goals for the project originally set forth in the *Performance Standards Verification Plan* (PSVP; RMT, 1993) in relationship to the technological and regulatory standard of practice that has become prevalent since this time frame.
- Incorporate federal and state comments to the 2006 annual report.
- Recommend further actions to facilitate and achieve timely and cost-effective site closure.

All site monitoring wells were sampled by RMT, Inc. (RMT) during the September 2007 monitoring event, with the exception of well MLW-3-1 and the surface water monitoring locations which were dry at the time of sampling. Groundwater samples were analyzed for the 15 site-specific constituents of concern (COCs) listed in the PSVP (Table 1). Additionally, vinyl chloride (VC), chloroethane, dissolved ferrous iron, and dissolved manganese, chloride, sulfate, alkalinity, and volatile fatty acids (VFAs) were analyzed. Field indicator parameters (dissolved oxygen [DO], oxidation reduction potential [ORP], temperature, pH, and specific conductivity) were also measured in the groundwater samples collected.

As previously discussed in the *2006 Annual Report*, the pumps and piping internals were removed from former recovery wells (A-1, A-2, A-3, A-4, A-6, A-7, B-1, B-2, B-3, and B-4) in the summer of 2006. Because these wells were previously used as injection wells, there was concern that groundwater samples collected from these wells in the December 2004, February 2005, and February/March 2006 sampling event might contain residual levels of lactate-based treatment media, and localized VOC concentrations might appear to be lower than what was actually present in groundwater. The results of the November 2006 monitoring event indicated that VOC concentrations in groundwater samples collected from the former groundwater recovery wells were slightly higher than what was previously observed in monitoring events. Because of the change in sampling methodologies, analytical results from the September 2007 site-wide sampling event were compared against baseline conditions prior to any nutrient injection and against the November 2006 sampling results, following removal of the well internals.

Results from the September 2007 monitoring demonstrate that reducing, or anaerobic, conditions directly related to the influence of the nutrient injection activities remain after the one-year hiatus. Aquifer conditions are considered to be anaerobic when measured ORP values are in the negative. During this period, it was expected that the site would return to equilibrium conditions. However, ORP measurements and ever declining VOC levels in groundwater indicate that conditions conducive to reductive dechlorination persist. ORP values measured in September 2007 were predominantly in the negative with the other

surrounding wells exhibiting greatly reduced ORP. ORP values were also negative in September 2007 in groundwater samples collected from wells located on the outside fringe of VOC-affected groundwater and outside the area where active lactate injection was conducted.

Significant changes in VOC levels in groundwater were not observed during the September 2007 monitoring event, despite the one year hiatus in nutrient injection activities. Levels of tetrachloroethene (PCE) and trichloroethene (TCE) either declined, remained the same, or remained below the Maximum Contaminant Level (MCL) when compared to VOC levels observed in 2006 over these same wells. Conversely, increases in daughter products like *cis*-1,2-dichloroethene (*cis*-1,2-DCE) and VC were observed in many site monitoring wells.

RMT's recent analytical data from post-nutrient injection activities prompted a comprehensive review of existing historical geologic investigations conducted at the site. This information, combined with water level rebound data following decommissioning of the groundwater recovery system and more recent analytical data, were used to revise and update the site hydrogeologic model. RMT's review of historical geologic investigations and the recent analytical data indicates that VOCs in groundwater at the site can now be represented by three separate VOC plumes. The VOC migration pathway of each plume appears to be predominantly controlled by site geology. The historical top of bedrock configuration demonstrates that the top of bedrock surface generally mimics the surface topography with a ridge running northwest-southeast. The revised hydrogeological model incorporates this bedrock ridge as a divide with one plume migrating down the northern side of the ridge from the former source near and downgradient of well DP-2-1, and another plume migrating down the southern side of the ridge from the former source near and downgradient of DP-3-1. A third plume, present on the eastern portion of the site near wells A-2, A-3, A-5, and A-6, flows parallel to a southwest/northeast trending fault located on the eastern portion of the site (see Figures 9 through 11).

Results from the September 2007 site-wide monitoring event indicate that there are three areas of the site where aquifer conditions indicate that the aquifer is beginning to show signs of reverting to more aerobic conditions (see Figures 10 through 13):

- **Area 1 near wells B-1 and B-2 in the southern-trending plume:** B-1 and B-2 were last included in the injection program in the winter of 2005. The September 2007 groundwater monitoring event shows evidence of observed increases in VOC concentrations. Targeted nutrient injection in B-1 and B-2 is recommended to treat the observed parent VOCs as well as observed daughter products, including 1,1,2-trichloroethane (1,1,2-TCA) and 1,2-dichloroethane (1,2-DCA), in the groundwater of this plume.

- **Area 2 near wells DP-2-1, SW-3, MW-3D, A-4, and SW-108 in the northern-trending plume:** Increases in VOC concentrations in this area indicate that VOCs are migrating in groundwater along the top of rock. Targeted nutrient injections in DP-2-1 and MW-3D are recommended to treat remaining VOC concentrations in groundwater in the upgradient portion of this plume. In addition, nutrient injections in wells A-4 and A-7 are also recommended to treat VOCs that were detected in the more downgradient well, SW-108.
- **Area 3 near wells A-2, A-3, A-5, and MW-2-2 in the eastern plume**: VOC increases in these wells since November 2006 indicate that VOCs are present in groundwater upgradient or between injection wells along the fault plane. Additional nutrient injections into these wells, including well A-6, are recommended to treat remaining VOCs in the groundwater in this plume.

Based on RMT's review of historical data, prior analyses and studies, and the recent positive results from the 2007 site-wide sampling event, RMT recommends that a more holistic and focused remedial approach be adopted at the site in order to attain compliance with United States Environmental Protection Agency (USEPA) MNA protocols and ultimately No Further Action (NFA). RMT proposes the following remedial actions be implemented at the site over the next two years:

- Conduct an initial, targeted nutrient injection event during the second quarter 2008 into strategically located well locations (described above) to encourage a strongly reducing environment and optimize conditions for ongoing reductive dechlorination of VOCs.
- Conduct a site-wide sampling event in the fourth quarter of 2008 to assess site conditions and evaluate ongoing site remediation performance.
- Provide USEPA and South Carolina Department of Health and Environmental Control (SC DHEC) with an interim technical memorandum communicating the analytical results from the preceding site-wide sampling event, but suspend preparation of any annual reports or regulatory meetings for the calendar year 2008.
- Conduct a second bionutrient injection event during the second quarter of 2009 into targeted "VOC hot spot" well locations identified during the 2008 site-wide sampling event.
- Conduct a second site-wide sampling event during the fourth quarter of 2009 to assess site conditions and evaluate ongoing site remediation performance.
- Utilizing the site-wide data collected during the 2008 and 2009 sampling events, compile the data and develop a biennial remediation report for submission and review by the USEPA and SC DHEC by February 2010.
- Review comments and convene a project meeting with the steering committee, USEPA and SC DHEC representatives during the second quarter of 2010.

If VOC levels in the site groundwater of 2009 indicate that additional nutrient injection is necessary to achieve levels that are protective of human health and reasonable environmental receptors, then a proposal for additional nutrient injection will be presented to the USEPA/SC DHEC for implementation during the first quarter of 2010. If site-wide groundwater data indicate that VOC concentrations have achieved levels that no longer pose a reasonable risk to human health or the environment and have not appreciably increased with time, we would then recommend USEPA and SC DHEC approval of a period of MNA for two years or until site VOCs achieve stable asymptotic values above the target remediation levels in accordance with the sampling and analysis plan (SAP) included in the PSVP. During this two year-time frame, semiannual monitoring for site VOCs will be conducted in selected monitoring wells to verify the continuing attenuation and/or stability of the VOC plumes. The monitoring program proposed for MNA sampling would be determined by the groundwater quality observed at the time of the 2009 site-wide sampling event.

Furthermore, at the end of the designated MNA period, if the VOC plumes have further degraded or have maintained steady-state conditions at sufficiently low levels, the responsible parties will request a NFA determination from USEPA and SC DHEC. The responsible parties NFA request will be technically justified in a written document.

Specific responses to USEPA and SC DHEC comments from the *2006 Annual Report* have been provided in Appendix E. Since this annual report is recommending that targeted lactate injections be performed during the next two years and that MNA will be evaluated after this period, the responses to many specific regulatory comments have been incorporated into the text of this report.

Section 1
Introduction

The 2007 annual report for the site provides a summary of the site-wide groundwater monitoring event, evaluation of the enhanced reductive dechlorination processes associated with the lactate-based nutrient injections that were conducted by RMT during 2005 and 2006, and response to USEPA/SC DHEC comments and questions to the 2006 annual report. This report has been prepared in accordance with USEPA-approved *Performance Standards Verification Plan* (PSVP) prepared in August 1993 by RMT and the *Revised Workplan and Design Report for Reductive Dechlorination* prepared in June 2004 by RMT.

1.1 Objectives and Scope

The objectives of this 2007 annual report are to:

- Describe and document the results of the site-wide monitoring event conducted in September 2007 after a hiatus of approximately 10 months from the last performance monitoring event and one-year after the last nutrient injection event.
- Evaluate and assess the continued effectiveness of the enhanced reductive dechlorination process in reducing the observed concentrations and distribution of VOCs in site groundwater.
- Evaluate the remedial action goals of the site in conjunction with the enhanced reductive dechlorination process and an eventual transition of the project to MNA status.
- Evaluate the performance goals for the project originally set forth in the 1993 PSVP in relationship to the technological and regulatory standard of practice that has become prevalent since this time frame.
- Incorporate federal and state comments to the 2006 annual report, and
- Recommend further actions and response measures to facilitate and achieve timely and cost-effective site closure.

To accomplish these objectives, RMT has conducted site-wide performance monitoring to evaluate the following conditions:

- Changes in groundwater quality after a one-year hiatus in nutrient injection,
- Changes in groundwater quality affecting VOC degradation potential,
- Continued progress of observed degradation of site VOCs,

- Persistence of the nutrient treatment solution (injectant) in the aquifer,
- Differences in VOC concentration, over time, in wells where sampling methods have changed, and
- Hydraulic gradients, groundwater flow directions and VOC migration pathways as they relate, to current VOC distributions.

This 2007 annual report includes and discusses the following:

- Re-evaluation of site geology using historical documents and prior geologic investigations.
- A revised hydrogeological model of the site.
- Water table configuration maps and groundwater flow conditions.
- Time versus concentration graphs for VOCs in injection and monitoring wells and general trends in VOC concentrations.
- Plume maps for the primary VOCs of concern, including: PCE, TCE, *cis*-1,2-DCE, and VC.
- Conclusions and recommendations for future response measures based on the results of a site-wide monitoring event conducted after a one-year hiatus in nutrient injection activities.

1.2 Site Background

Remedial activities were first initiated at the site in March 1995 to remediate groundwater and soil affected by VOCs utilizing groundwater recovery and soil vapor extraction (SVE) treatment systems in accordance with the USEPA Record of Decision (ROD). (USEPA. *Superfund, Record of Decision, Medley Farm Drum Dump,* EPA ID: SCD980558142, OUI 01, Gaffney, South Carolina May 1991)

1.2.1 Target Constituents

The USEPA ROD for the site established remediation target levels for 15 site-specific COCs, all of which are VOCs listed in Table 1.

1.2.2 Treatment System Operation

The groundwater pump-and-treat system was in active operation at the site from March 1995 until August 2004 when the operations ceased with USEPA and SC DHEC approval. During its period of operation, approximately 100 million gallons of VOC-affected groundwater was recovered and treated. In 2004, evaluation of site remediation progress indicated that the performance benefits of the existing pump and treat and SVE systems declined significantly and water quality levels had reached asymptotic (steady state) conditions. While these treatment systems had effectively reduced most VOC

concentrations in groundwater; residual concentrations of PCE and TCE remained persistent in limited areas. RMT believes this may have been due to aerobic conditions imposed on the subsurface by the SVE system, an insufficient supply of nutrients or organic carbon sources (food) in support of anaerobic microbial activity, or some combination of the two. Thus, efforts were made to identify supplemental actions to accelerate attainment of site remediation goals and objectives.

Beginning in September 2004, RMT modified the existing SVE and pump-and-treat systems to accommodate implementation of reductive dechlorination within select source area wells and the A- and B-series groundwater recovery wells. The modified treatment system received a lactate-based nutrient suspension that was injected to stimulate the growth of subsurface anaerobic microorganisms responsible for reductive dechlorination of remaining site VOCs. An oxygen scavenger was also injected in concert with the nutrient suspension to reduce the DO levels and facilitate the anaerobic biodegradation process.

A baseline round of groundwater sampling and water level measurements was conducted in September 2004 to evaluate the recovery of water level conditions within the aquifer after the shutdown of the pump-and-treat system and to evaluate groundwater quality before nutrient injection commenced. This background data has been used as a point of comparison to more recent groundwater quality data collected during performance monitoring to evaluate the effectiveness of the enhanced reductive dechlorination process.

1.3 Summary of Site Hydrogeologic Conditions

The geologic characterization of the site was initially presented in the *1995 Annual Report* that included the following key features:

- Groundwater at the site occurs in three hydrostratigraphic zones:
    1. saprolite (highly weathered near-surface bedrock),
    2. in a transition zone of highly fractured and weathered bedrock, and
    3. in the moderately fractured shallow bedrock zone found immediately below the transition zone.
- The saprolite, transition, and shallow bedrock zones are hydraulically interconnected; therefore, these three hydrostratigraphic units comprise what is considered a single unconfined aquifer beneath the site. The recovery wells used for the nutrient injection are generally screened from the top of rock up through the saprolite.

Table 1
Groundwater Remediation Target Levels [1]

PARAMETER	REMEDIATION LEVEL (µg/L)
Acetone	350
Benzene	5
2-Butanone	2,000
Chloromethane	63
Chloroform	100
1,1-DCA	350
1,2-DCA	5
1,1-DCE	7
1,2-DCE	*cis*: 70 and *trans*: 100
Methylene Chloride	5
PCE	5
1,1,1-TCA	200
1,1,2-TCA	5
TCE	5

[1] Target levels taken from Table 19 of the Medley Farm ROD.
The groundwater monitoring analytical program for the site includes analysis for these VOCs. During the September 2004 Baseline monitoring event, only five of these 15 VOCs (TCE, PCE, 1,1-DCE, 1,1,2-TCA, and 1,2-DCA) were detected at concentrations above their respective remediation goals.

Section 2
Injection and Monitoring Activities

Since the shutdown of the groundwater pump-and-treat and SVE systems in August 2004, three full-scale and one limited nutrient injection events and seven groundwater monitoring events (including the September 2004 baseline sampling) have been conducted. The following narrative summarizes these activities. More specific details of the nutrient injection system design, operation, and control are provided in the *Revised Workplan and Design Report for Reductive Dechlorination* (RMT, June 2004).

2.1 Summary of Remedial Activities

Supplemental remedial activities have been conducted at the site as technical maximization measures since the shutdown of the pump and treat and SVE systems in August 2004. Table 2 summarizes the remedial activities that occurred since the 2004 shutdown of the SVE and groundwater pump-and-treat systems through December 2007.

2.2 Lactate Injections

Four lactate-based nutrient injection events have been conducted at the site, to date. The first two nutrient injection events (fall 2004 and spring 2005) included 13 wells, consisting of the seven A-series recovery wells (A-1 through A-7), four B-series recovery wells (B-1 through B-4), DP-3-1, and DP-3-2. The third injection event conducted in the fall of 2005 included these same 13 injection wells plus one additional well, MW-3D. This well was added because PCE and TCE concentrations in this well were observed to have increased during the September 2005 groundwater monitoring event.

The fourth nutrient injection event was conducted during July and August 2006 and mainly focused on addressing pockets of recalcitrant VOC concentrations that remained in some site wells. Injection was successful in most of the wells included in the event (DP-2-1, DP-3-1, MW-3D, and MW-4-2). However, nutrient injections could not be completed in four of the planned injection locations (wells MW-2-1, MW-2-2, MW-4-1, and SW-3) because the formation would not accept water or the rate of infiltration was too slow for practical continuation of injection operations. Nearby injection wells A-1, A-2, A-3, and A-5 were subsequently added to the injection program to replace wells MW-2-1, MW-2-2, and MW-4-1.

Groundwater sampling results from the November 2006 monitoring event indicated that the nutrient injections were generally successful in reducing site VOC concentrations to below

baseline conditions. Because of this observation, one of the significant recommendations of the *2006 Annual Report* was to suspend further active treatment measures during the remainder of 2007 and allow the site to return to equilibrium conditions. Therefore, no nutrient injection events were conducted in 2007.

2.3 Groundwater Level Monitoring

During 2007, site-wide water levels were measured during the September 2007 monitoring event. A discussion of the groundwater levels and flow direction is presented in Section 3.

2.4 Groundwater Quality Monitoring

Since the September 2004 baseline event, six groundwater monitoring events were completed to evaluate the degradation of site COCs and the persistence of the treatment solution following injection into the aquifer. The site-wide performance monitoring conducted in September 2007 was completed to establish groundwater quality and aquifer conditions after a one-year hiatus in nutrient injection. Additionally, the September 2007 site-wide event was the second monitoring event since recovery well internals were removed, permitting larger volumes of purge water to be removed from each well prior to sampling. Previous sampling protocols utilized a bladder pump to purge the recovery wells until field parameters stabilized. Upon removal of the well internals and their associated space constraints, RMT was able to use a submersible pump to extract larger volumes of purge water at a faster pace. Because the purge volumes from the former recovery wells now were in excess of 400 gallons per well, RMT requested SC DHEC and USEPA to permit purging one well volume from each well and to then allow field parameters to stabilize during the second purge volume prior to sampling. SC DHEC and USEPA verbally agreed to this modification to the sampling protocol while on the site, and sampling was modified accordingly. RMT is currently awaiting formal USEPA approval of this amended sampling protocol (Appendix F).

All available site wells were sampled during the September 2007 monitoring event with the exception of well MLW-3-1 and the surface water monitoring locations, which were dry at the time of sampling. A data point location map is provided in Figure 1 to show well locations. A list of wells sampled during the September 2007 monitoring event is provided in Table 3.

Groundwater samples were analyzed for the 15 site-specific COCs listed in the PSVP (Table 1). VC, chloroethane, dissolved ferrous iron, and dissolved manganese, chloride, sulfate, alkalinity, VFAs and field indicator parameters (DO, ORP, temperature, pH, and specific conductivity) were also measured and analyzed in the groundwater samples collected.

Table 2
Summary of Remedial Activities (August 2004 through December 2006)

REMEDIAL ACTIVITY	DATE OF ACTIVITY
Shutdown of the SVE and groundwater pump and treatment systems	August 2004
Baseline water level measurements and groundwater monitoring event (site-wide)	September 14, 2004 though September 30, 2004
First nutrient injection event	October 2, 2004 through November 12, 2004
Influence monitoring event	December 14, 2004 through December 21, 2004.
Influence monitoring event	February 15, 2005 through February 22, 2005
Second nutrient injection event	May 11, 2005 through June 27, 2005.
Influence monitoring event	September 8, 2005 through September 28, 2005
Third nutrient injection event	November 9, 2005 through December 27, 2005
Influence monitoring event (site-wide)	February 20, 2006 through March 3, 2006
Baseline monitoring of DP-2-1	July 5, 2006
Fourth nutrient injection event	July 6, 2006 through August 23, 2006
Performance monitoring event (limited)	November 10, 2006 through November 21, 2006
Performance monitoring event (site-wide)	September 19, 2007 through September 28, 2007

Table 3
2006 Performance Monitoring Wells

SEPTEMBER 2007				
A-1	B-4	BW-3	MLW-3-3	SW-103
A-2	BW-1	BW-4	MLW-3-4	SW-104
A-3	BW-105	DP-2-1	MW-2-1	SW-106
A-4	BW-106	DP-3-1	MW-2-2	SW-108
A-5	BW-108	DP-3-2	MW-3D	SW-109
A-6	BW-109	MLW-1-1	MW-4-1	SW-201
A-7	BW-110	MLW-1-2	MW-4-2	SW-202
B-1	BW-2	MLW-1-3	SW-1	SW-3
B-2	BW-201	MLW-1-4	SW-101	SW-4
B-3	BW-202	MLW-3-2	SW-102	MLW-3-1[1]

[1] MLW-3-1 was not sampled because it was dry.

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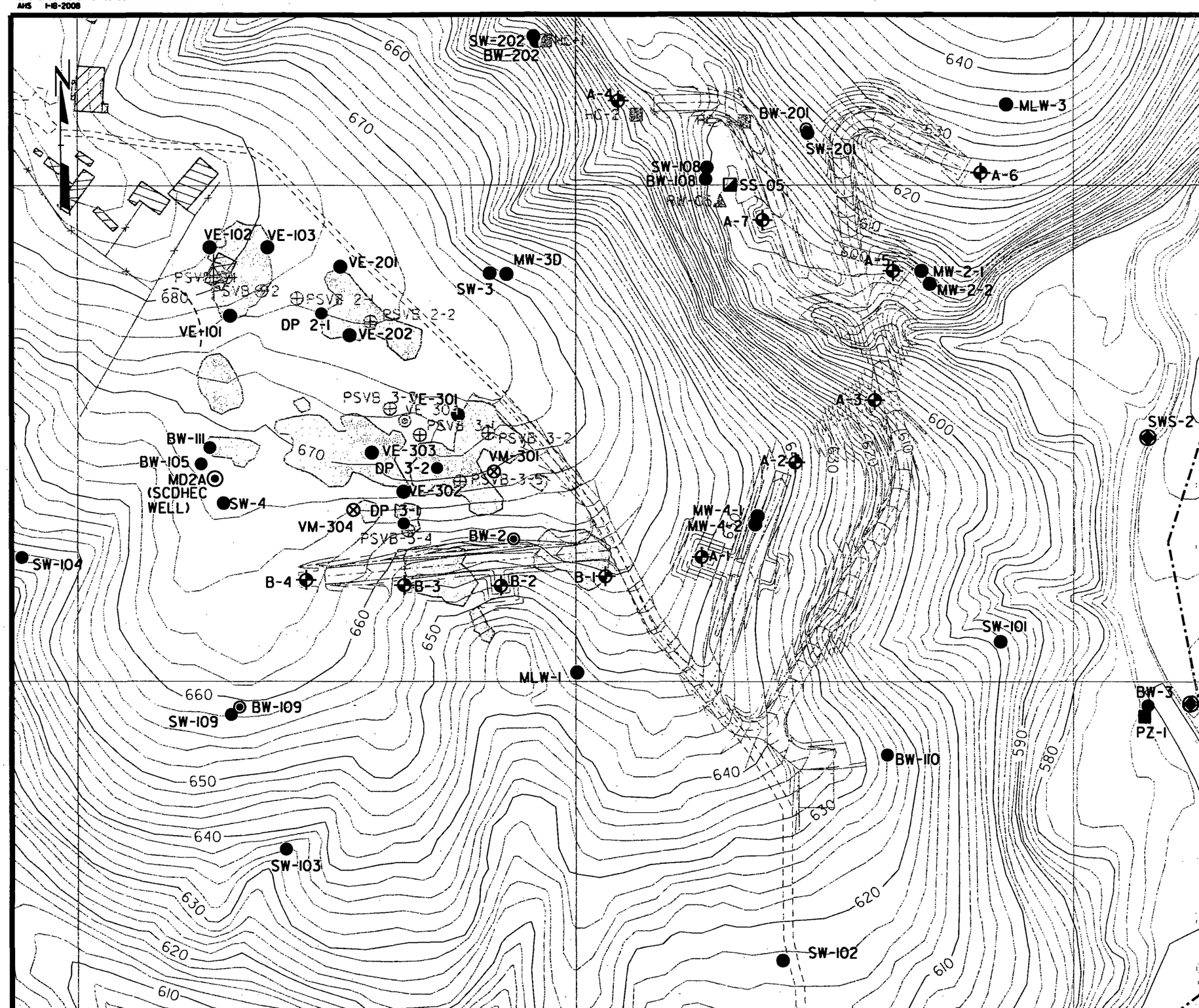

LEGEND

BW-105	BEDROCK MONITORING WELL
SW-109	SAPROLITE MONITORING WELL
MLW-1	MULTI-LEVEL MONITORING WELL
MW-2-1	NESTED MONITORING WELL
DP-2-1	DUAL PHASE RECOVERY WELL
PZ-1	PIEZOMETER
RW-05	SURFACE WATER SAMPLE
SS-05	STREAM SEDIMENT SAMPLE
PSVB 1-1	PERFORMANCE STANDARDS VERIFICATION BORING
VE-101	VAPOR EXTRACTION WELL
A-4	RECOVERY WELL (SYSTEM A)
B-1	RECOVERY WELL (SYSTEM B)
660	TOPOGRAPHIC INDEX CONTOUR
	PROPERTY LINE
	FENCE
	STREAM
	UNIMPROVED ROADS
	BUILDING
	FORMER DRUM DISPOSAL AREA OR LAGOON

NOTE: INJECTIONS WELLS ARE INCLUDED IN THE PERFORMANCE MONITORING PLAN.

0 100 200

SCALE: 1"=100'

PROJECT:

MEDLEY FARM SITE
GAFFNEY, SOUTH CAROLINA

SHEET TITLE:

DATA POINT LOCATION MAP

DRAWN BY: AHS	SCALE: AS NOTED	PROJ. NO. 71243.51	
CHECKED BY: RSW		FILE NO. IJG-00.71243.51-001.DGN	
APPROVED BY: SWW	DATED PRINTED: JANUARY 2008	FIGURE 1	
DATE: JANUARY 2008			

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Section 3
Site-wide Monitoring Results

This section presents the groundwater monitoring results and associated water table elevation measurements from the 2007 site-wide sampling event. These data provide an effective means of tracking the progress of ongoing reductive dechlorination at the site.

3.1 Groundwater Levels and Flow Direction

Groundwater levels were measured during the September 2007 site-wide monitoring event and were used to map the site water table configuration and interpret groundwater flow directions. Summary tables of the groundwater levels measured since September 2004 are also presented in Appendix A as Table A-1. Figure 2 provides a map showing the configuration of the water table in September, 2007. A comparison of the September 2005, November 2006 and September 2007 water table configurations show that the overall water table configuration and groundwater flow direction has remained consistent over time.

3.2 Groundwater Quality

One of the significant recommendations of the *2006 Annual Report* was to suspend further active treatment measures during the remainder of 2007 and allow the site to return to equilibrium conditions. Thus, the September 2007 site-wide sampling event represents an effort to assess field conditions for possible signs of VOC rebound, evaluate aquifer recharge, and investigate other apparent shifts in groundwater quality (*i.e.*, changes in ORP) after a year-long hiatus from lactate injections.

Summary tables of September 2007 site-wide groundwater analytical data, including aquifer indicator data, are presented in Appendix B as Tables B-1. Time versus concentration trends for pH, DO, ORP, and dissolved manganese in selected monitoring wells and injection wells are provided in Appendix C. The laboratory analytical reports for the groundwater sampling data are provided in Appendix D.

Summary tables of the September 2004 through September 2007 groundwater concentration data for the seven VOCs that remain in site groundwater at levels greater than their respective MCL (1,2-DCA, 1,1-DCE, 1,2-DCE, PCE, TCE, 1,1,2-TCA, and VC) are presented as Tables 4 through 10, respectively, with values exceeding the PSVP standard shaded. Time versus concentration graphs for select wells are presented as Figures 3 through 5.

3.2.1 Field Indicator Parameters

Indicator parameters measured in the field during the September 2007 site-wide sampling event include specific conductivity, temperature, pH, DO, and ORP. ORP continues to be the most consistent field measurement for explaining how aquifer conditions remain conducive for reductive dechlorination and how the nutrient injectant continues to impact the aquifer. While temperature, pH, and DO field measurements have been measured and recorded, none of these indicators are as pervasive or indicative of in-place aquifer conditions as ORP.

Analytical parameters, sulfate, dissolved ferrous iron, dissolved manganese, and VFAs were also measured in September 2007. These indicators have been useful in evaluating changes in the oxidation state of the aquifer, the persistence of the nutrient suspension in the aquifer, and to assess the presence of metabolic byproducts of reductive dechlorination in the groundwater.

Oxidation Reduction Potential

Baseline ORP measurements collected from wells over most of the site prior to the initial nutrient injection were positive, indicative of predominantly aerobic conditions. Groundwater monitoring conducted after injection events began indicated that the nutrient injection activities were successful in altering the oxidation state of the aquifer to strongly anaerobic conditions based on the negative ORP measurements.

After a one-year hiatus in injection activities, ORP measurements collected in September 2007 remained predominantly negative, with many of the source area wells exhibiting greatly reduced ORP. ORP remains negative for most of the site injection and monitoring wells. Furthermore, negative ORPs were also observed in wells located on the outside fringe of VOC-affected groundwater and in areas outside of where active lactate injection occured (BW-108, BW-109, BW-201, SW-201, BW-202, SW-202, SW-3, and SW-4). ORP has historically been positive in these wells. These results indicate that the lactate-based nutrients remain persistent in the aquifer and that conditions remain conducive to ongoing reductive dechlorination.

Increases in ORP were observed in one area of the site, near bedrock well BW-2 and former recovery wells B-1, and B-2. This is an area of the site where relative increases of VOCs were also observed in September 2007. These

increases in ORP and VOC concentration suggest this is a potential VOC source area, where targeted nutrient injection could prove beneficial.

Dissolved Manganese

In general, levels of dissolved manganese in the groundwater at the site were observed at concentrations below the secondary maximum contaminant level (SMCL) before the onset of nutrient injection. It is quite common, and generally expected, for dissolved manganese concentrations to be greater under reducing conditions than in an oxidizing environment. These increases may be due to anaerobic bacteria stripping available manganese from mineral surfaces. An increase in levels of dissolved manganese in groundwater at injection wells or in wells influenced by nutrient injection was not an unexpected circumstance. Therefore, dissolved manganese is taken as a reliable indicator, highlighting those areas that are within the area of influence of the lactate injections.

Results from the September 2007 monitoring showed that observed levels of dissolved manganese generally decreased in most site wells. These decreases in concentration confirm that those locations with rising levels of dissolved manganese could be attributed to the nutrient injection activities and that over time, dissolved manganese will attenuate to baseline conditions as the aquifer reverts to a more aerobic state.

The only increases in levels of dissolved manganese were observed in wells located in areas that are either located immediately downgradient of injection wells or in injection wells included in the summer 2006 injection event. These detections demonstrate the persistence of the lactate suspension in the aquifer, as well as the overall extended area of influence of the lactate injections.

3.2.2 Distribution of Volatile Organic Compounds

One of the significant recommendations of the *2006 Annual Report* was to evaluate the changes in VOC concentration in site groundwater after a one-year hiatus in nutrient injection activities. This allowed RMT to evaluate if VOC concentrations in the aquifer rebounded at any sampling locations during the September 2007 site wide sampling event. Of the 15 PSVP COCs, only 7 VOCs (1,2-DCA, 1,1-DCE, 1,2-DCE, PCE, TCE, 1,1,2-TCA, and VC) were detected at concentrations above their respective remediation target levels. RMT did not observe any signs of pronounced VOC increase across the site.

The following narrative summarizes and discusses RMT's findings and observations relating to the remaining VOC concentrations in site groundwater that are greater than their respective MCL.

Tetrachloroethene and Trichloroethene (PCE and TCE)

Water quality monitoring indicates that the nutrient injections have been successful in promoting an overall reduction in the VOC source concentrations of the parent compounds (PCE and TCE) since the September 2004 baseline sampling event. Changes in PCE and TCE concentrations in groundwater are presented in Tables 4 and 5 and in the time versus concentration graphs presented as Figures 3 through 5.

Significant attention was focused on changes in levels of PCE and TCE in groundwater during the September 2007 monitoring, following a one year hiatus of injection activities at the site. Surprisingly, levels of PCE or TCE either declined, remained the same, or decreased below the MCL standard when compared to VOC levels observed in 2006 over most of the site wells, including: A-1, A-2, A-6, A-7, B-1, B-3, B-4, BW-108, BW-109, BW-2, BW-201, DP-3-1, DP-3-2, MLW-3-2, MLW-3-3, and MLW-3-4, MLW-1-1, MLW-1-2, MLW-1-3, MLW-1-4, MW-2-1, MW-4-1, MW-4-2, SW-101, SW-102, SW-201, or SW-202. Concentrations of VOCs declined to below the MCL standards for PCE in wells B-1, B-3, B-4, and BW-108. Though VOC concentrations remained greater than the MCL standard for PCE and TCE in wells A-2 and BW-2, an overall decrease in the level of PCE and TCE in the groundwater of this area was observed. These observations indicate that the lactate-based nutrient suspension remains persistent in the aquifer and that conditions remain conducive for reductive dechlorination over most areas of the site.

Continued decreases in PCE and TCE concentrations were also observed in monitoring wells MW-2-1, MW-4-1, and MW-4-2. Declines in VOC concentrations were not observed in these wells until the November 2006 monitoring event. This apparent delay in concentration decline is likely due to the low permeability formation surrounding these wells. When these wells were added to July/August 2006 injection program, lactate injections were difficult to conduct because the formation either would not accept water or the injection rate was too slow to be practical. Baseline levels of PCE and TCE in these wells ranged from 0.014 mg/L to 0.12 mg/L for PCE and 0.023 mg/L to 0.17 mg/L for TCE. Results of the September 2007 monitoring event indicate

that PCE was not detected in any of these wells and only a very low level of TCE was detected in well MW-4-2. TCE was non-detect in MW-2-1 and MW-4-1.

Increases in levels of PCE or TCE were observed in wells A-2, A-3, A-4, A-5, B-1, B-2, BW-108, BW-202, DP-2-1, MW-2-2, MW-3D, SW-108, and SW-3. These are areas of the site where increases of ORP were also observed in September 2007. These increases in ORP and VOC concentration indicate that targeted nutrient injection in this area would be useful in helping further reduce the remaining VOC concentrations near these wells.

cis-1,2-Dichloroethene and Vinyl Chloride

Overall, RMT expected to encounter an overall decline in the production of *cis*-1,2-DCE and VC in the site groundwater during the September 2007 monitoring event. Suspension of active treatment measures during 2007 was expected to allow the site to return to equilibrium conditions. However, field indicators from September 2007 indicate that reducing conditions generally persisted during the one-year hiatus in injection activities. Consequently, increases in *cis*-1,2-DCE or VC production were observed in several site wells including MW-4-2, A-5, A-6, MW-3D, SW-3 A-7, B-3, B-4, DP-2-1, DP-3-1, and DP-3-2. These increases in the levels of *cis*-1,2-DCE and VC indicate that ongoing reductive dechlorination is occurring in the groundwater of the site.

Decreases in *cis*-1,2-DCE and VC concentrations were observed in wells A-2, A-3, A-4, MW-2-1, MW-2-2, MW-4-1. Each of these wells are located parallel to the fault plane on the eastern portion of the site. Field indicators in all of these wells indicate that reducing conditions remain persistent in these wells. Furthermore, parent compounds PCE and TCE are non-detect in wells MW-2-1, MW-4-1, and MW-4-2, indicating that the nutrient injection activities have been successful in reducing VOC concentrations in the past. However, concentrations of PCE and TCE in wells A-2, A-3, A-4, and MW-2-2 remain greater than the MCL. These results indicate that targeted nutrient injection in this area would be useful in helping further reduce the remaining VOC concentrations near these wells.

1,1,2-Trichloroethane, 1,1-Dichloroethene, and 1,2-Dichloroethane

In September 2007, 1,1,2-TCA, 1,1-DCE, and 1,2-DCA are the only other VOCs that were present in site groundwater at levels greater than their respective

MCLs. While concentrations of these constituents remain greater than those observed during the baseline sampling, results from the September 2007 monitoring event are less than November 2006 and demonstrate that levels of 1,1-DCE and 1,1,-TCA are declining. This decline in concentration indicates that a reducing environment persists and that targeted nutrient injection would be beneficial in further reducing VOC levels in these wells where concentrations exceed than MCLs.

Results of the September 2007 monitoring indicate that levels of 1,2-DCA near wells DP-2-1, DP-3-1, and DP-3-2 have increased since November 2006. In these same wells, levels of 1,1,2-TCA decreased in September 2006. The increase in 1,2-DCA in this area seems likely due to the anaerobic degradation of 1,1,2-TCA to 1,2-DCA. ORP measurements indicate that a reducing environment persists in this area, suggesting that continued degradation of 1,1,2-TCA and 1,2-DCA will continue, insofar as periodic nutrient injection occurs.

Time concentration graphs for 1,1,2-TCA, 1,2-DCA, and 1,1-DCE in wells with concentrations greater than the respective MCL are presented in Figures 6 through 8.

3.2.3 Extent of Injectant Influence

Results from the September 2007 monitoring event clearly demonstrate that reducing conditions directly tied to the prior injection activities remain in the groundwater after a one-year hiatus of nutrient injection. RMT expected that the site water quality would return to equilibrium conditions. However, negative ORP measurements and declines in VOCs in groundwater indicate the continuation of conditions conducive to reductive dechlorination. A more indicative measure of the extent and persistence of nutrient injections can be seen at several monitoring wells, including: A-7, B-3, B-4, MLW-3-2, MLW-3-3, and MLW-3-4. Each of these wells is located downgradient of wells included in the July/August 2006 injection event, where declines in the concentrations of PCE and TCE generally were observed. At the same time *cis*-1,2-DCE and VC levels increased. Additionally, as shown in Figures 4a and 5a, PCE and TCE concentrations in MW-4-1, MW-2-1, and BW-2 (each located downgradient of injection wells) declined in comparison to VOC concentrations observed in November 2006.

Results from the 2007 groundwater sampling event also continue to indicate that the zone of hydraulic influence extends more than 100 feet downgradient of the injection well

network. *Cis*-1-2-DCE continues to be detected in the MLW-3 well nest, indicating that after the one-year hiatus in injection activities a notable zone of influence persists. MLW-3 is located downgradient of the A-series injection wells and well cluster MW-2-1 and MW-2-2. Similar conditions were observed in other monitoring wells located downgradient from injection wells during the September 2007 monitoring. *Cis*-1,2-DCE was detected in BW-108, located downgradient of injection well MW-3D. *Cis*-1,2-DCE and VC were detected in wells B-3 and B-4, and VC was detected in MLW-1-1. B-3 and B-4 are located directly downgradient of injection well DP-3-1. MLW-1-1 is located downgradient of B-3. These detections demonstrate that the lactate-based solution persists in the aquifer and conditions remain conducive to reductive dechlorination.

Table 4
Summary of Tetrachloroethene in Groundwater

STATION	TETRACHLOROETHENE (mg/L)						
	Sep-04	Dec-04	Feb-05	Sep-05	Feb/March-06 (1)	Nov-06	Sep-07
A-1	**0.034**	NA	NA	NA	<0.01 Muj	<0.001	**0.00089 J**
A-2	**0.065**	<0.002	<0.001	<0.001	<0.001	**0.006**	**0.0095**
A-3	**0.014**	NA	NA	NA	**0.00064 J**	**0.013**	**0.019**
A-4	**0.0029**	**0.0011**	<0.001	<0.001	<0.001	NA	**0.0042**
A-5	**0.024**	**0.0012 M**	<0.001 Mj	<0.001	<0.001 Muj	NA	**0.038**
A-6	**0.0089**	NA	NA	NA	<0.001	NA	<0.001
A-7	**0.013**	NA	NA	NA	<0.001	NA	**0.00097 J**
B-1	**0.019**	**0.0026 M**	<0.001 Mj	<0.001 M	<0.001 Muj	NA	**0.0038**
B-2	**0.0067**	NA	NA	NA	<0.001	**0.021**	**0.022**
B-3	**0.022**	NA	NA	NA	<0.001	**0.0073**	**0.0024**
B-4	**0.0072**	<0.001	<0.001	<0.001	<0.001 Muj	NA	<0.001
BW-1	NA	NA	NA	NA	NA	NA	<0.001
BW-105	NA	NA	NA	NA	NA	NA	<0.001
BW-106	NA	NA	NA	NA	NA	NA	<0.001
BW-108	**0.0057**	NA	NA	NA	**0.00055 J**	NA	**0.0031**
BW-109	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-110	NA	NA	NA	NA	NA	NA	<0.001
BW-2	**0.025**	**0.0086**	**0.014**	**0.0072**	**0.0076**	**0.014**	**0.0065**
BW-201	**0.00069 J**	NA	NA	NA	<0.001	NA	<0.001
BW-202	**0.0055**	NA	NA	NA	**0.0048**	NA	**0.0068**
BW-3	NA	NA	NA	NA	NA	NA	<0.001
BW-4	NA	NA	NA	NA	NA	NA	<0.001
DP-2-1	NA	NA	NA	NA	**0.066** (1)	**0.028**	**0.061**
DP-3-1	**0.12**	**0.016**	**0.097**	**0.00098 J**	**0.0022 J**	**0.00072 J**	<0.0025
DP-3-2	**0.087**	NA	NA	NA	<0.001	NA	<0.005
MLW-1-1	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-1-2	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-1-3	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-1-4	NA	**0.001**	**0.0008 J**	**0.0014**	**0.0012**	NA	<0.001
MLW-3-1	**0.0049**	**0.0019**	<0.1	<0.001	<0.001	<0.001	NA
MLW-3-2	**0.0051**	**0.0013**	**0.0014**	<0.001	**0.00056 J**	**0.00072 J**	<0.001
MLW-3-3	**0.0012**	**0.0012**	**0.0015**	<0.001	<0.001	<0.001	<0.001
MLW-3-4	NA	<0.001	**0.00098 J**	<0.001	<0.001	<0.001	<0.001
MW-2-1	**0.014**	**0.0067**	**0.005**	**0.0053**	**0.0052**	**0.0032**	<0.001
MW-2-2	**0.019**	**0.0098**	**0.011**	**0.0062**	**0.018 j**	**0.0096**	**0.017**
MW-3D	**0.078**	**0.025**	**0.014**	**0.051**	<0.001	<0.001	**0.011**
MW-4-1	**0.036**	**0.026**	**0.024**	**0.019**	**0.033**	**0.0072**	<0.001
MW-4-2	**0.12**	**0.055**	**0.042**	**0.0011**	**0.0098**	<0.001	<0.001
SW-1	NA	NA	NA	NA	NA	NA	<0.001
SW-101	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
SW-102	<0.001	NA	NA	NA	<0.001	NA	<0.001
SW-103	NA	NA	NA	NA	NA	NA	<0.001
SW-104	NA	NA	NA	NA	NA	NA	<0.001
SW-106	NA	NA	NA	NA	NA	NA	<0.001
SW-108	**0.0056**	NA	NA	NA	**0.0019**	NA	**0.012**
SW-109	NA	NA	NA	NA	NA	NA	<0.001
SW-201	<0.001	NA	NA	NA	**0.0052**	**0.0044**	**0.0026**
SW-202	<0.001	NA	NA	NA	<0.001	**0.00096 J**	**0.00096 J**
SW-3	NA	NA	NA	NA	**0.3**	**0.0026**	**0.092**
SW-4	NA	NA	NA	NA	**0.0039**	**0.0029**	**0.0033**

(1) A baseline sampling of DP-2-1 was conducted on July 5, 2006.
< - Concentration less than the Quantitation Limit.
J - Estimated concentration.
M - Sample pH was greater than 2.
uj - Not detected; quantitation limit may be inaccurate or imprecise.
j - Concentration considered an estimate based on data validation.
NA - Not analyzed.
Bolding indicates sample detection.
Shading indicates sample exceeds tetrachloroethene Maximum Contaminant Level (Federal Safe Drinking Water Standards); *Drinking Water Standards and Health Advisories* (USEPA, 2004) value of 0.005 mg/L.

Table 5
Summary of Trichloroethene in Groundwater

STATION	TRICHLOROETHENE (mg/L)						
	Sep-04	Dec-04	Feb-05	Sep-05	Feb/March-06[1]	Nov-06	Sep-07
A-1	0.049	NA	NA	NA	<0.01 Muj	0.0046	0.0041
A-2	0.087	<0.002	<0.001	<0.001	<0.001	0.021	0.02
A-3	0.029	NA	NA	NA	0.0034	0.026	0.031
A-4	0.0024	0.00087 J	0.00048 J	<0.001	<0.001	NA	0.0081
A-5	0.058	0.004 M	<0.001 Mj	<0.001	0.00088 MJj	NA	0.083
A-6	0.022	NA	NA	NA	<0.001	NA	0.0031
A-7	0.034	NA	NA	NA	0.0046	NA	0.0036
B-1	0.03	0.0085 M	<0.001 Mj	<0.001 M	0.0011 Mj	NA	0.011
B-2	0.02	NA	NA	NA	0.0031	0.12	0.14 — 140
B-3	0.074	NA	NA	NA	<0.001	0.061	0.035
B-4	0.028	0.0014	<0.001	<0.001	<0.001 Muj	NA	0.0036
BW-1	NA	NA	NA	NA	NA	NA	<0.001
BW-105	NA	NA	NA	NA	NA	NA	<0.001
BW-106	NA	NA	NA	NA	NA	NA	<0.001
BW-108	0.0065	NA	NA	NA	0.0012	NA	0.0073
BW-109	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-110	NA	NA	NA	NA	NA	NA	0.00082 J
BW-2	0.035	0.029	0.051	0.019	0.019	0.028	0.017
BW-201	0.0011	NA	NA	NA	0.00049 J	NA	0.00063 J
BW-202	0.0046	NA	NA	NA	0.0014	NA	0.0038
BW-3	NA	NA	NA	NA	NA	NA	<0.001
BW-4	NA	NA	NA	NA	NA	NA	<0.001
DP-2-1	NA	NA	NA	NA	0.16[1]	0.042	0.047
DP-3-1	0.27	0.046	0.23	0.034	0.021	0.0038	0.0025
DP-3-2	0.16	NA	NA	NA	0.0025	NA	0.0037 J
MLW-1-1	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-1-2	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-1-3	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-1-4	NA	0.00089 J	0.00075 J	0.001	0.0012	NA	0.00071 J
MLW-3-1	0.0054	0.0044	<0.1	<0.001	<0.001	<0.001	NA
MLW-3-2	0.0056	0.0019	0.0017	<0.001	0.0015	0.0022	<0.001
MLW-3-3	0.0019	0.0015	0.0019	<0.001	0.00065 J	<0.001	<0.001
MLW-3-4	NA	<0.001	0.0017	<0.001	<0.001	<0.001	<0.001
MW-2-1	0.023	0.022	0.021	0.015	0.016	0.0053	<0.001
MW-2-2	0.04	0.035	0.038	0.022	0.038 j	0.022	0.042
MW-3D	0.13	0.083	0.05	0.24	0.00058 J	<0.001	0.094
MW-4-1	0.069	0.06	0.059	0.052	0.058	0.013	<0.001
MW-4-2	0.17	0.091	0.081	0.048	0.031	<0.001	0.00079 J
SW-1	NA	NA	NA	NA	NA	NA	<0.001
SW-101	<0.001	0.0005 J	<0.001	<0.001	<0.001	NA	<0.001
SW-102	<0.001	NA	NA	NA	<0.001	NA	<0.001
SW-103	NA	NA	NA	NA	NA	NA	<0.001
SW-104	NA	NA	NA	NA	NA	NA	<0.001
SW-106	NA	NA	NA	NA	NA	NA	<0.001
SW-108	0.0059	NA	NA	NA	0.002	NA	0.013
SW-109	NA	NA	NA	NA	NA	NA	<0.001
SW-201	<0.001	NA	NA	NA	0.014	0.012	0.0058
SW-202	<0.001	NA	NA	NA	<0.001	<0.001	<0.001
SW-3	NA	NA	NA	NA	0.16	0.00089 J	0.13 — 130
SW-4	NA	NA	NA	NA	0.045	0.036	0.036

(1) A baseline sampling of DP-2-1 was conducted on July 5, 2006.
< - Concentration less than the Quantitation Limit.
J - Estimated concentration.
M - Sample pH was greater than 2.
uj - Not detected; quantitation limit may be inaccurate or imprecise.
j - Concentration considered an estimate based on data validation.
NA - Not analyzed.
Bolding indicates sample detection.
Shading indicates sample exceeds trichloroethene Maximum Contaminant Level (Federal Safe Drinking Water Standards); *Drinking Water Standards and Health Advisories* (USEPA, 2004) value of 0.005 mg/L.

Table 6
Summary of *cis*-1,2-Dichloroethene in Groundwater

STATION	*cis*-1,2-DICHLOROETHENE (mg/L)						
	Sep-04	Dec-04	Feb-05	Sep-05	Feb/March-06[1]	Nov-06	Sep-07
A-1	**0.0044**	NA	NA	NA	<0.01 Muj	**0.007**	**0.0047**
A-2	**0.0048**	**0.16**	**0.012**	**0.0023**	**0.0014**	**0.011**	**0.0035**
A-3	**0.002**	NA	NA	NA	**0.0025**	**0.016**	**0.0099**
A-4	<0.001	<0.001	**0.0021**	**0.0024**	**0.0088**	NA	**0.0033**
A-5	**0.0057**	**0.018 M**	**0.028 MI**	<0.001	**0.0015 Mj**	NA	**0.017**
A-6	**0.0016**	NA	NA	NA	**0.008**	NA	**0.02**
A-7	**0.0022**	NA	NA	NA	**0.0097**	NA	**0.0058**
B-1	<0.001	**0.035 M**	**0.031 MI**	<0.001 M	<0.001 Muj	NA	**0.0048**
B-2	<0.001	NA	NA	NA	**0.017**	**0.034**	**0.045**
B-3	**0.0023**	NA	NA	NA	**0.01**	**0.078**	**0.2**
B-4	**0.0011**	**0.035**	**0.0017**	<0.001	**0.0029 Mj**	NA	**0.0045**
BW-1	NA	NA	NA	NA	NA	NA	<0.001
BW-105	NA	NA	NA	NA	NA	NA	<0.001
BW-106	NA	NA	NA	NA	NA	NA	<0.001
BW-108	<0.001	NA	NA	NA	<0.001	NA	**0.0039**
BW-109	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-110	NA	NA	NA	NA	NA	NA	<0.001
BW-2	<0.001	<0.001	**0.0012**	<0.001	**0.0014**	**0.0021**	**0.002**
BW-201	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-202	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-3	NA	NA	NA	NA	NA	NA	<0.001
BW-4	NA	NA	NA	NA	NA	NA	<0.001
DP-2-1	NA	NA	NA	NA	**0.024**[1]	**0.021**	**0.079**
DP-3-1	**0.025**	**0.31**	**0.38**	**0.065**	**0.021**	**0.025**	**0.12**
DP-3-2	**0.0054**	NA	NA	NA	**0.0036**	NA	**0.28**
MLW-1-1	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-1-2	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-1-3	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-1-4	NA	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-3-1	<0.001	**0.0012**	<0.1	**0.038**	**0.021**	**0.032**	NA
MLW-3-2	<0.001	<0.001	**0.0073**	**0.043**	**0.0077**	**0.0069**	**0.018**
MLW-3-3	<0.001	<0.001	**0.0026**	**0.051**	**0.0037**	**0.0027**	**0.028**
MLW-3-4	NA	<0.001	<0.001	<0.001	**0.00095 J**	**0.00086 J**	**0.01**
MW-2-1	**0.0042**	**0.0018**	**0.0017**	**0.001 J**	<0.001	**0.022**	<0.001
MW-2-2	**0.0053**	**0.0032**	**0.0052**	**0.0025**	**0.0043 j**	**0.014**	**0.0098**
MW-3D	**0.015**	**0.014**	**0.0074**	**0.042**	**0.097**	**0.015**	**0.1**
MW-4-1	**0.0037**	<0.001	**0.00093 J**	**0.0017**	**0.0022**	**0.013**	<0.001
MW-4-2	**0.004**	**0.018**	**0.015**	**0.047**	**0.024**	**0.0056**	**0.001**
SW-1	NA	NA	NA	NA	NA	NA	<0.001
SW-101	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
SW-102	<0.001	NA	NA	NA	<0.001	NA	<0.001
SW-103	NA	NA	NA	NA	NA	NA	<0.001
SW-104	NA	NA	NA	NA	NA	NA	<0.001
SW-106	NA	NA	NA	NA	NA	NA	<0.001
SW-108	<0.001	NA	NA	NA	<0.001	NA	<0.001
SW-109	NA	NA	NA	NA	NA	NA	<0.001
SW-201	<0.001	NA	NA	NA	**0.00088 J**	<0.001	<0.001
SW-202	<0.001	NA	NA	NA	<0.001	<0.001	<0.001
SW-3	NA	NA	NA	NA	**0.0064**	**0.23**	**0.063**
SW-4	NA	NA	NA	NA	<0.001	<0.001	<0.001

(1) A baseline sampling of DP-2-1 was conducted on July 5, 2006.
< - Concentration less than the Quantitation Limit.
J - Estimated concentration.
M - Sample pH was greater than 2.
uj - Not detected; quantitation limit may be inaccurate or imprecise.
j - Concentration considered an estimate based on data validation.
I - Analyte present; reported value may be biased low.
NA - Not analyzed.
Bolding indicates sample detection.
Shading indicates sample exceeds cis-1,2-DCE Maximum Contaminant Level (Federal Safe Drinking Water Standards); *Drinking Water Standards and Health Advisories* (USEPA, 2004) value of 0.07 mg/L.

Table 7
Summary of Vinyl Chloride in Groundwater

STATION	VINYL CHLORIDE (mg/L)						
	Sep-04	Dec-04	Feb-05	Sep-05	Feb/March-06[1]	Nov-06	Sep-07
A-1	<0.001	NA	NA	NA	<0.01 Muj	**0.0061**	**0.006**
A-2	<0.001	**0.019**	**0.011**	**0.0061**	<0.001	**0.0045**	**0.0032**
A-3	<0.001	NA	NA	NA	**0.0014**	**0.0012**	**0.00071 J**
A-4	<0.001	<0.001	<0.001	<0.001	**0.00063 J**	NA	**0.00067 J**
A-5	<0.001	<0.001 M	**0.00059 MJI**	<0.001	<0.001 Muj	NA	**0.0015**
A-6	<0.001	NA	NA	NA	<0.001	NA	**0.0075**
A-7	<0.001	NA	NA	NA	**0.00053 J**	NA	**0.003**
B-1	<0.001	**0.003 M**	**0.014 MI**	<0.001 M	<0.001 Muj	NA	**0.00043 J**
B-2	<0.001	NA	NA	NA	**0.014**	**0.0046**	**0.0017**
B-3	<0.001	NA	NA	NA	**0.0016**	**0.061**	**0.1**
B-4	<0.001	**0.00049 J**	**0.0035**	**0.00026 J**	**0.00047 MJj**	NA	**0.013**
BW-1	NA	NA	NA	NA	NA	NA	<0.001
BW-105	NA	NA	NA	NA	NA	NA	<0.001
BW-106	NA	NA	NA	NA	NA	NA	<0.001
BW-108	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-109	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-110	NA	NA	NA	NA	NA	NA	<0.001
BW-2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
BW-201	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-202	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-3	NA	NA	NA	NA	NA	NA	<0.001
BW-4	NA	NA	NA	NA	NA	NA	<0.001
DP-2-1	NA	NA	NA	NA	<0.0025[1]	**0.00077 J**	**0.0084**
DP-3-1	<0.0025	<0.0025	**0.02**	**0.047**	**0.0078**	**0.021**	**0.1**
DP-3-2	<0.001	NA	NA	NA	**0.00047 J**	NA	**0.18**
MLW-1-1	<0.001	**0.0007 J**	**0.00097 J**	**0.0008 J**	**0.00022 J**	NA	**0.00023 J**
MLW-1-2	<0.001	**0.00038 J**	**0.00054 J**	<0.001	**0.00027 J**	NA	<0.001
MLW-1-3	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-1-4	NA	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-3-1	<0.001	<0.001	<0.1	<0.001	<0.001	<0.001	NA
MLW-3-2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MLW-3-3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MLW-3-4	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2-1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2-2	<0.001	<0.001	<0.001	<0.001	<0.001 uj	**0.0021**	**0.0014**
MW-3D	<0.001	<0.001	<0.001	<0.002	**0.00038 J**	<0.001	**0.09**
MW-4-1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.00099 J**
MW-4-2	<0.001	<0.001	**0.0015**	**0.0073**	**0.00048 J**	**0.0015**	**0.0063**
SW-1	NA	NA	NA	NA	NA	NA	<0.001
SW-101	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
SW-102	<0.001	NA	NA	NA	<0.001	NA	<0.001
SW-103	NA	NA	NA	NA	NA	NA	<0.001
SW-104	NA	NA	NA	NA	NA	NA	<0.001
SW-106	NA	NA	NA	NA	NA	NA	<0.001
SW-108	<0.001	NA	NA	NA	<0.001	NA	<0.001
SW-109	NA	NA	NA	NA	NA	NA	<0.001
SW-201	<0.001	NA	NA	NA	<0.001	<0.001	<0.001
SW-202	<0.001	NA	NA	NA	<0.001	<0.001	<0.001
SW-3	NA	NA	NA	NA	<0.002	**0.0051**	**0.029**
SW-4	NA	NA	NA	NA	<0.001	<0.001	<0.001

(1) A baseline sampling of DP-2-1 was conducted on July 5, 2006.
< - Concentration less than the Quantitation Limit.
J - Estimated concentration.
M - Sample pH was greater than 2.
uj - Not detected; quantitation limit may be inaccurate or imprecise.
j - Concentration considered an estimate based on data validation.
I - Analyte present; reported value may be biased low.
NA - Not analyzed.
Bolding indicates sample detection.
Shading indicates sample exceeds vinyl chloride Maximum Contaminant Level (Federal Safe Drinking Water Standards); *Drinking Water Standards and Health Advisories* (USEPA, 2004) value of 0.002 mg/L.

Table 8
Summary of 1,2-Dichloroethane in Groundwater

STATION	1,2-DICHLOROETHANE (mg/L)						
	Sep-04	Dec-04	Feb-05	Sep-05	Feb/March-06[1]	Nov-06	Sep-07
A-1	<0.001	NA	NA	NA	<0.01 Muj	**0.0035**	**0.0033**
A-2	<0.001	**0.0027**	**0.0045**	**0.0025**	**0.0015**	**0.0019**	**0.00087 J**
A-3	<0.001	NA	NA	NA	**0.0019**	**0.0018**	**0.0014**
A-4	<0.001	<0.001	<0.001	<0.001	**0.00053 J**	NA	**0.0011**
A-5	**0.0088**	**0.00064 MJ**	**0.0012 MI**	**0.00075 J**	<0.001 Muj	NA	**0.0013**
A-6	<0.001	NA	NA	NA	<0.001	NA	**0.0008 J**
A-7	<0.001	NA	NA	NA	**0.00062 J**	NA	**0.0012**
B-1	<0.001	**0.00049 MJ**	**0.0012 MI**	<0.001 M	**0.0004 MJj**	NA	**0.00069 J**
B-2	<0.001	NA	NA	NA	**0.0058**	**0.0017**	**0.0016**
B-3	**0.0011**	NA	NA	NA	**0.0034**	**0.2**	**0.13**
B-4	<0.001	**0.001**	**0.0015**	<0.001	**0.00046 MJj**	NA	**0.0029**
BW-1	NA	NA	NA	NA	NA	NA	<0.001
BW-105	NA	NA	NA	NA	NA	NA	<0.001
BW-106	NA	NA	NA	NA	NA	NA	<0.001
BW-108	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-109	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-110	NA	NA	NA	NA	NA	NA	<0.001
BW-2	<0.001	<0.001	<0.001	<0.001	**0.00039 J**	**0.00041 J**	<0.001
BW-201	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-202	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-3	NA	NA	NA	NA	NA	NA	<0.001
BW-4	NA	NA	NA	NA	NA	NA	<0.001
DP-2-1	NA	NA	NA	NA	**0.0043**[1]	**0.0032**	**0.0097**
DP-3-1	**0.059**	**0.015**	**0.0085**	**0.096**	**0.14**	**0.042**	**0.11**
DP-3-2	**0.0011**	NA	NA	NA	**0.031**	NA	**0.45**
MLW-1-1	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-1-2	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-1-3	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-1-4	NA	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-3-1	<0.001	<0.001	<0.1	<0.001	<0.001	<0.001	NA
MLW-3-2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MLW-3-3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MLW-3-4	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2-1	**0.0034**	**0.0018**	<0.001	**0.0014**	**0.0012**	**0.0015**	**0.00081 J**
MW-2-2	**0.0033**	**0.0011**	**0.00078 J**	**0.00075 J**	**0.0005 Jj**	**0.00095 J**	**0.00082 J**
MW-3D	**0.0031**	**0.0014**	**0.0011**	**0.0034**	**0.002**	**0.00047 J**	**0.0048**
MW-4-1	**0.0029**	**0.00069 J**	**0.00077 J**	**0.00061 J**	**0.00073 J**	**0.00053 J**	**0.00054 J**
MW-4-2	<0.001	**0.00071 J**	**0.0026**	**0.0019**	**0.0017**	**0.001**	**0.002**
SW-1	NA	NA	NA	NA	NA	NA	<0.001
SW-101	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
SW-102	<0.001	NA	NA	NA	<0.001	NA	<0.001
SW-103	NA	NA	NA	NA	NA	NA	<0.001
SW-104	NA	NA	NA	NA	NA	NA	<0.001
SW-106	NA	NA	NA	NA	NA	NA	<0.001
SW-108	<0.001	NA	NA	NA	<0.001	NA	<0.001
SW-109	NA	NA	NA	NA	NA	NA	<0.001
SW-201	<0.001	NA	NA	NA	<0.001	<0.001	<0.001
SW-202	<0.001	NA	NA	NA	<0.001	<0.001	<0.001
SW-3	NA	NA	NA	NA	<0.002	<0.001	<0.001
SW-4	NA	NA	NA	NA	**0.00053 J**	**0.00043 J**	<0.001

(1) A baseline sampling of DP-2-1 was conducted on July 5, 2006.
< - Concentration less than the Quantitation Limit.
J - Estimated concentration.
M - Sample pH was greater than 2.
uj - Not detected; quantitation limit may be inaccurate or imprecise.
j - Concentration considered an estimate based on data validation.
I - Analyte present; reported value may be biased low.
NA - Not analyzed.
Bolding indicates sample detection.
Shading indicates sample exceeds 1,2-dichloroethane Maximum Contaminant Level (Federal Safe Drinking Water Standards); *Drinking Water Standards and Health Advisories* (USEPA, 2004) value of 0.005 mg/L.

Table 9
Summary of 1,1-Dichloroethene in Groundwater

STATION	1,1-DICHLOROETHENE (mg/L)						
	Sep-04	Dec-04	Feb-05	Sep-05	Feb/March-06[1]	Nov-06	Sep-07
A-1	<0.001	NA	NA	NA	<0.01 Muj	<0.001 &	<0.001
A-2	**0.0023**	**0.002 J**	<0.001	<0.001	<0.001	<0.001 &	<0.001
A-3	**0.0019**	NA	NA	NA	<0.001	**0.0023 &**	**0.0024**
A-4	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001
A-5	**0.0034**	**0.00058 MJ**	**0.001 MJI**	<0.001	<0.001 Muj	NA	**0.004**
A-6	**0.0013**	NA	NA	NA	<0.001	NA	**0.0011**
A-7	**0.0017**	NA	NA	NA	**0.00082 J**	NA	<0.001
B-1	<0.001	**0.00093 MJ**	<0.001 Mj	<0.001 M	<0.001 Muj	NA	**0.0017**
B-2	**0.0011**	NA	NA	NA	<0.001	**0.015 &**	**0.015**
B-3	**0.004**	NA	NA	NA	<0.001	**0.0053**	**0.0045**
B-4	**0.0032**	**0.0052**	<0.001	<0.001	<0.001 Muj	NA	**0.0042**
BW-1	NA	NA	NA	NA	NA	NA	<0.001
BW-105	NA	NA	NA	NA	NA	NA	**0.00075 J**
BW-106	NA	NA	NA	NA	NA	NA	<0.001
BW-108	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-109	**0.0016**	NA	NA	NA	<0.001	NA	<0.001
BW-110	NA	NA	NA	NA	NA	NA	<0.001
BW-2	<0.001	<0.001	**0.0011**	<0.001	<0.001	**0.0012**	<0.001
BW-201	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-202	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-3	NA	NA	NA	NA	NA	NA	<0.001
BW-4	NA	NA	NA	NA	NA	NA	<0.001
DP-2-1	NA	NA	NA	NA	**0.006[1]**	**0.0042 &**	**0.00059 J**
DP-3-1	**0.016**	**0.014**	**0.017**	**0.00095 J**	<0.0025	<0.001 &	<0.0025
DP-3-2	**0.0074**	NA	NA	NA	<0.001	NA	<0.005
MLW-1-1	<0.001	<0.001	**0.016**	**0.0007 J**	<0.001	NA	<0.001
MLW-1-2	<0.001	<0.001	**0.0012**	<0.001	<0.001	NA	<0.001
MLW-1-3	<0.001	<0.001	**0.00076 J**	<0.001	<0.001	NA	<0.001
MLW-1-4	NA	<0.001	<0.001	<0.001	<0.001	NA	<0.001
MLW-3-1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001 &	NA
MLW-3-2	<0.001	<0.001	<0.1	<0.001	<0.001	<0.001 &	<0.001
MLW-3-3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MLW-3-4	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2-1	**0.0058**	**0.0079**	<0.001	**0.0032**	**0.0029**	**0.0056**	<0.001
MW-2-2	**0.0028**	**0.0026**	**0.0074**	**0.0013**	**0.0012 j**	**0.0013**	**0.0023**
MW-3D	**0.0048**	**0.0033**	**0.0026**	**0.0085**	**0.0031**	<0.001	**0.0032**
MW-4-1	**0.0024**	**0.002**	**0.0055**	**0.0019**	**0.0016**	**0.00081 J**	<0.001
MW-4-2	**0.0018**	**0.00081 J**	**0.0018**	<0.001	<0.001	<0.001	<0.001
SW-1	NA	NA	NA	NA	NA	NA	<0.001
SW-101	<0.001	<0.001	**0.00081 J**	<0.001	<0.001	NA	<0.001
SW-102	<0.001	NA	NA	NA	<0.001	NA	<0.001
SW-103	NA	NA	NA	NA	NA	NA	<0.001
SW-104	NA	NA	NA	NA	NA	NA	<0.001
SW-106	NA	NA	NA	NA	NA	NA	<0.001
SW-108	<0.001	NA	NA	NA	<0.001	NA	<0.001
SW-109	NA	NA	NA	NA	NA	NA	<0.001
SW-201	<0.001	NA	NA	NA	<0.001	<0.001	<0.001
SW-202	<0.001	NA	NA	NA	<0.001	<0.001	<0.001
SW-3	NA	NA	NA	NA	<0.002	<0.001	**0.00079 J**
SW-4	NA	NA	NA	NA	**0.022**	**0.017**	**0.015**

(1) A baseline sampling of DP-2-1 was conducted on July 5, 2006.
< - Concentration less than the Quantitation Limit.
J - Estimated concentration.
M - Sample pH was greater than 2.
uj - Not detected; quantitation limit may be inaccurate or imprecise.
j - Concentration considered an estimate based on data validation.
I - Analyte present; reported value may be biased low.
& - Laboratory Control Spike recovery not within control limits.
NA - Not analyzed.
Bolding indicates sample detection.
Shading indicates sample exceeds 1,1-dichloroethene Maximum Contaminant Level (Federal Safe Drinking Water Standards); *Drinking Water Standards and Health Advisories* (USEPA, 2004) value of 0.007 mg/L.

Table 10
Summary of 1,1,2-Trichloroethane in Groundwater

STATION	1,1,2-TRICHLOROETHANE (mg/L)						
	Sep-04	Dec-04	Feb-05	Sep-05	Feb/March-06[1]	Nov-06	Sep-07
A-1	**0.0079**	NA	NA	NA	<0.01 Muj	<0.001	<0.001
A-2	**0.0076**	**0.0021**	<0.001	<0.001	<0.001	<0.001	<0.001
A-3	<0.001	NA	NA	NA	<0.001	**0.00074 J**	**0.0025**
A-4	<0.001	<0.001	<0.001	<0.001	<0.001	NA	**0.0007 J**
A-5	**0.00069 J**	<0.001 M	<0.001 Mj	<0.001	<0.001 Muj	NA	**0.0016**
A-6	<0.001	NA	NA	NA	<0.001	NA	<0.001
A-7	<0.001	NA	NA	NA	<0.001	NA	<0.001
B-1	<0.001	<0.001 M	<0.001 Mj	<0.001 M	<0.001 Muj	NA	<0.001
B-2	<0.001	NA	NA	NA	<0.001	**0.0026**	**0.0042**
B-3	<0.001	NA	NA	NA	<0.001	**0.0094**	**0.009**
B-4	<0.001	<0.001	<0.001	<0.001	<0.001 Muj	NA	<0.001
BW-1	NA	NA	NA	NA	NA	NA	<0.001
BW-105	NA	NA	NA	NA	NA	NA	<0.001
BW-106	NA	NA	NA	NA	NA	NA	<0.001
BW-108	<0.001	NA	NA	NA	<0.001	NA	<0.001
BW-109	<0.001	NA	NA	NA	<0.001	NA	<0.001
[illegible]	[illegible]	NA	NA	NA	NA	NA	<0.001
[illegible]	[illegible]	[illegible]	[illegible]	<0.001	<0.001	<0.001	**0.00048 J**
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NA	<0.001
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NA	<0.001
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NA	<0.001
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NA	<0.001
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5(1)	**0.00044 J**	<0.001
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	**0.025**	**0.017**
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	NA	**0.013**
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	01	NA	<0.001
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	01	NA	<0.001
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	01	NA	<0.001
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	01	NA	<0.001
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	001	<0.001	NA
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	001	<0.001	<0.001
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	001	<0.001	<0.001
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	001	<0.001	<0.001
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	001	<0.001	<0.001
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	001 uj	<0.001	**0.00074 J**
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	001	<0.001	**0.0079**
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0047	**0.00043 J**	<0.001
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0092	<0.001	<0.001
SW-1	NA	[illegible]	[illegible]	[illegible]	NA	NA	<0.001
SW-101	<0.001	<0.001	<0.001	[illegible]	0.001	NA	<0.001
SW-102	<0.001	NA	NA	NA	<0.001	NA	<0.001
SW-103	NA	NA	NA	NA	NA	NA	<0.001
SW-104	NA	NA	NA	NA	NA	NA	<0.001
SW-106	NA	NA	NA	NA	NA	NA	<0.001
SW-108	<0.001	NA	NA	NA	<0.001	NA	<0.001
SW-109	NA	NA	NA	NA	NA	NA	<0.001
SW-201	<0.001	NA	NA	NA	<0.001	<0.001	<0.001
SW-202	<0.001	NA	NA	NA	<0.001	<0.001	<0.001
SW-3	NA	NA	NA	NA	<0.002	<0.001	<0.001
SW-4	NA	NA	NA	NA	**0.0017**	**0.0011**	**0.0012**

PCE > MCL: 11 wells | 92, 61 ppb | OTHERS 38 → 6.5 ppb

TCE > MCL: 16 wells | 140, 130, 94, 83 | 47 → 5.8

cis > MCL: 5 wells | 280, 200 | other 3: 120, 100, 79.

1,2-DCA > MCL: 4 wells 450 ppb | 130, 110, 97.

1,1-DCE MCL = 7 | 2 wells 150, 150.

(1) A baseline sampling of DP-2-1 was conducted on July 5, 2006.

< - Concentration less than the Quantitation Limit.

J - Estimated concentration.

M - Sample pH was greater than 2.

uj - Not detected; quantitation limit may be inaccurate or imprecise.

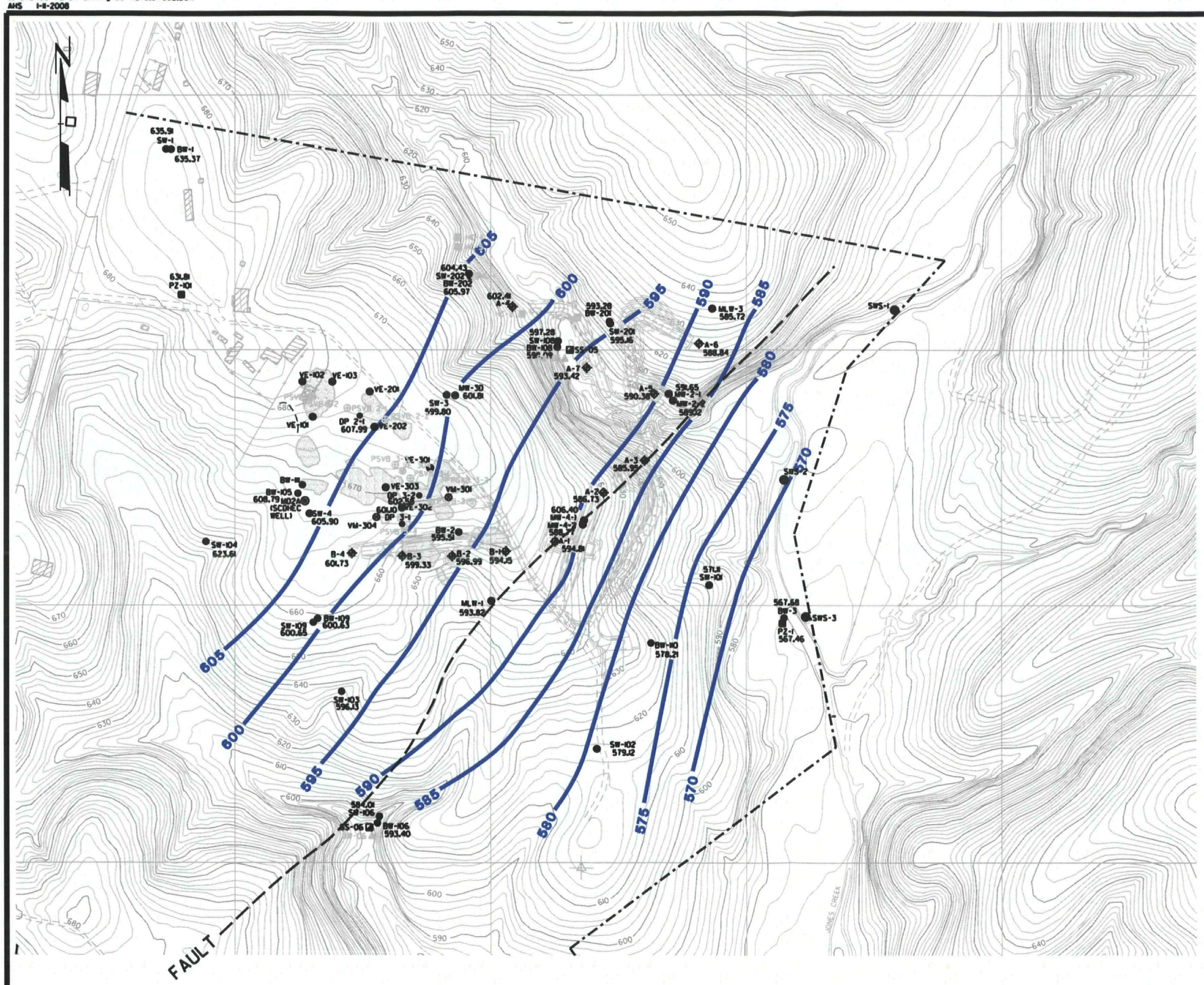
j - Concentration considered an estimate based on data validation.

NA - Not analyzed.

Bolding indicates sample detection.

Shading indicates sample exceeds 1,1,2-trichloroethane Maximum Contaminant Level (Federal Safe Drinking Water Standards); *Drinking Water Standards and Health Advisories* (USEPA, 2004) value of 0.005 mg/L.

J:\CAD\00-71243\ 5\wtg-00-71243.5i-002.DGN
AHS 11-8-2006



LEGEND

- BW-105 — BEDROCK MONITORING WELL
- SW-109 — SAPROLITE MONITORING WELL
- MLW-1 — MULTI-LEVEL MONITORING WELL
- MW-2-1 — NESTED MONITORING WELL
- DP-2-1 — DUAL PHASE RECOVERY WELL
- PZ-1 — PIEZOMETER
- RW-05 — SURFACE WATER SAMPLE
- SS-05 — STREAM SEDIMENT SAMPLE
- PSVB 1-1 — PERFORMANCE STANDARDS VERIFICATION BORING
- VE-101 — VAPOR EXTRACTION WELL
- A-4 — RECOVERY WELL (SYSTEM A)
- B-1 — RECOVERY WELL (SYSTEM B)
- CONTOURS IN FEET (MSL)
- 660 — TOPOGRAPHIC INDEX CONTOUR
- PROPERTY LINE
- FENCE
- STREAM
- UNIMPROVED ROADS
- BUILDING
- FORMER DRUM DISPOSAL AREA OR LAGOON

0 200 400

SCALE: 1"=200'

PROJECT:

MEDLEY FARM SITE
GAFFNEY, SOUTH CAROLINA

SHEET TITLE:

POST-INJECTION WATER TABLE CONFIGURATION
NOVEMBER 9, 2006

DRAWN BY: AHS	SCALE: AS NOTED	PROJ. NO. 71243.47	
CHECKED BY: RSW		FILE NO.	
APPROVED BY: SWW	DATED PRINTED: JANUARY 2007	FIGURE 2	
DATE: JANUARY 2007			

RMT

30 Patewood Drive
Patewood Plaza One, Suite 100
Greenville, SC 29615-3535

Phone: 864-281-0030
Fax: 864-281-0288

Figure 3a
Time versus Concentration in Northern-Trending Plume Wells
(DP-2-1, SW-3, MW-3D, and SW-108)

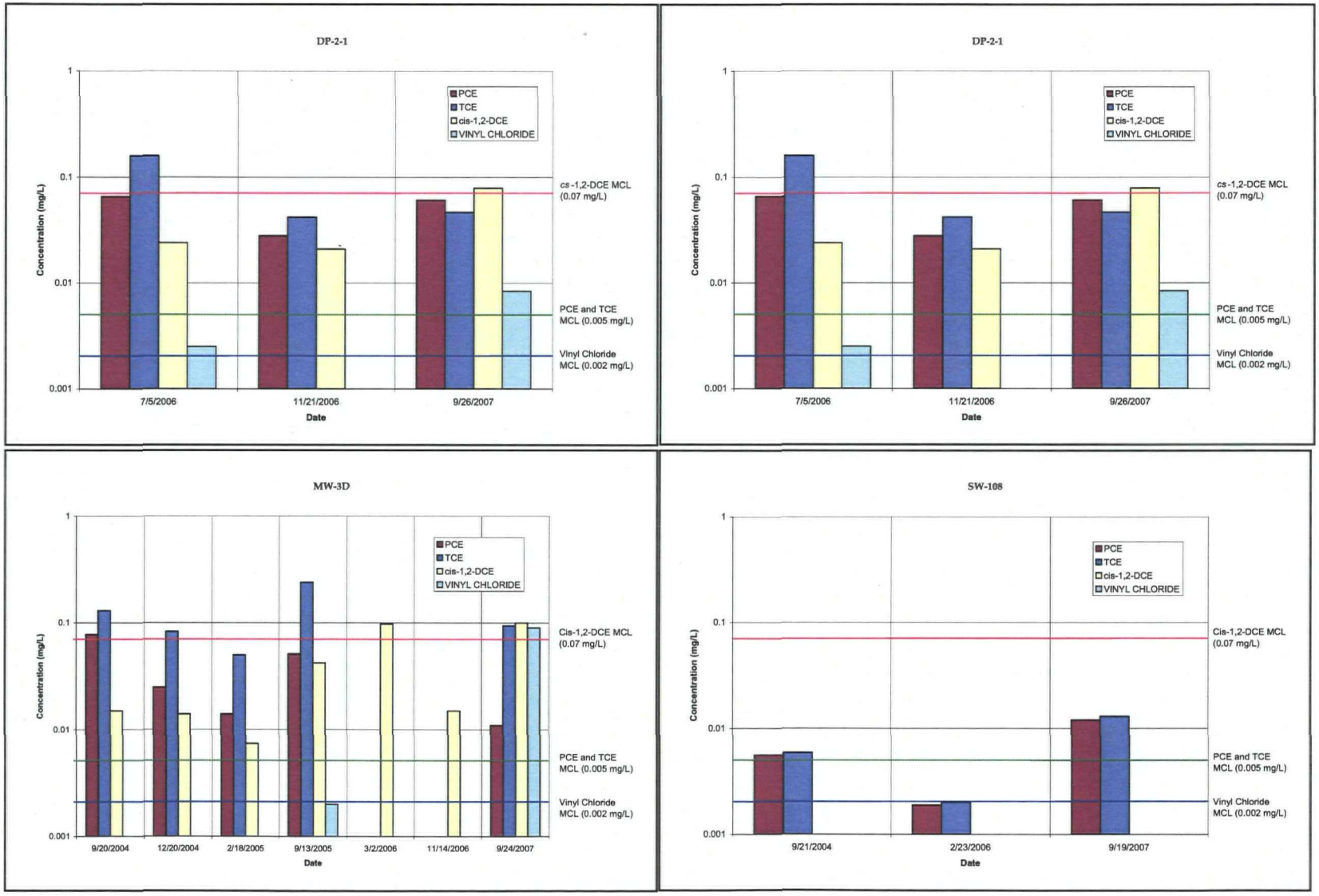


Figure 3b
Time versus Concentration in Northern-Trending Plume Wells
(BW-108, SW-201, A-7, and BW-202)

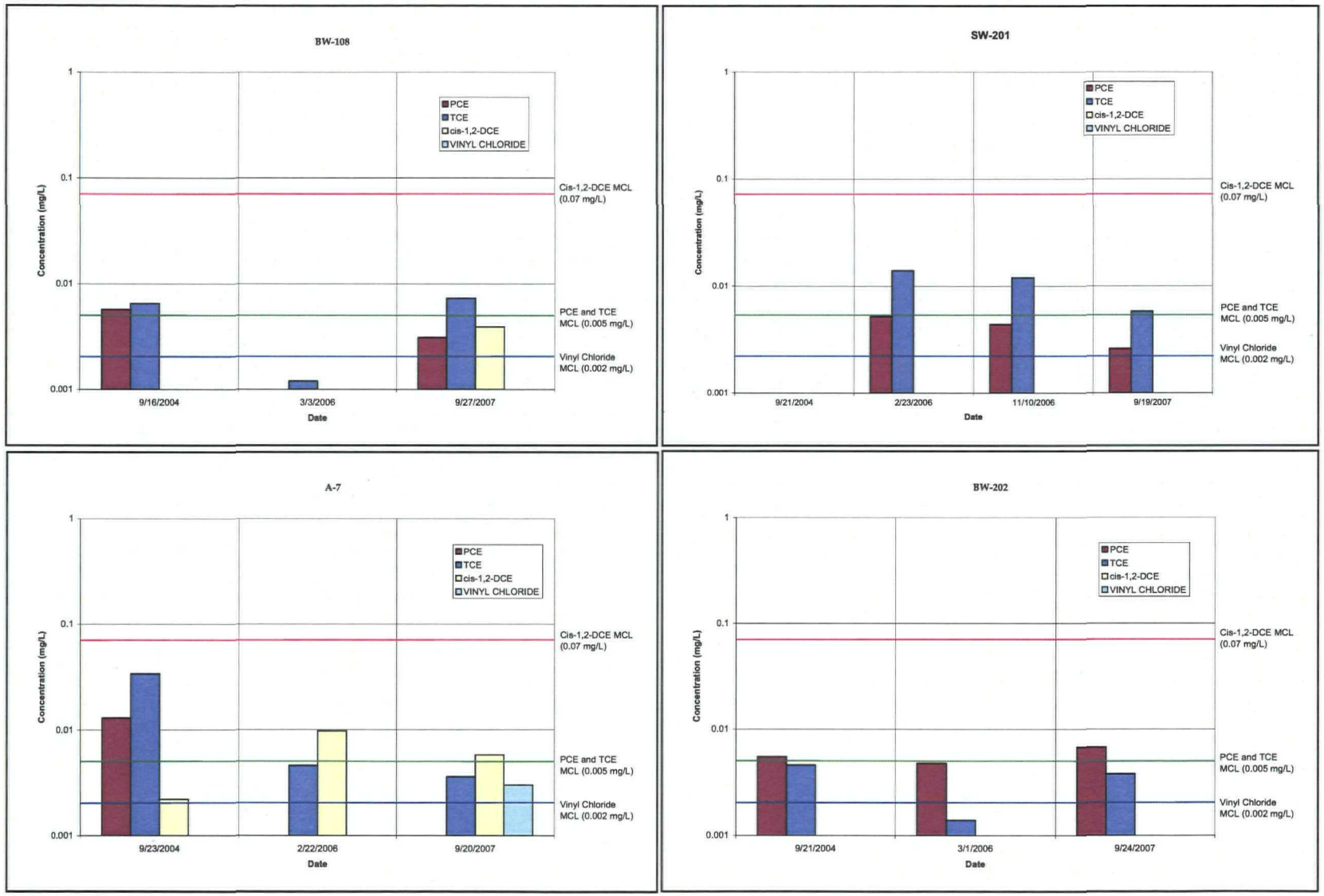


Figure 3c
Time versus Concentration in Northern-Trending Plume Wells
(A-4)

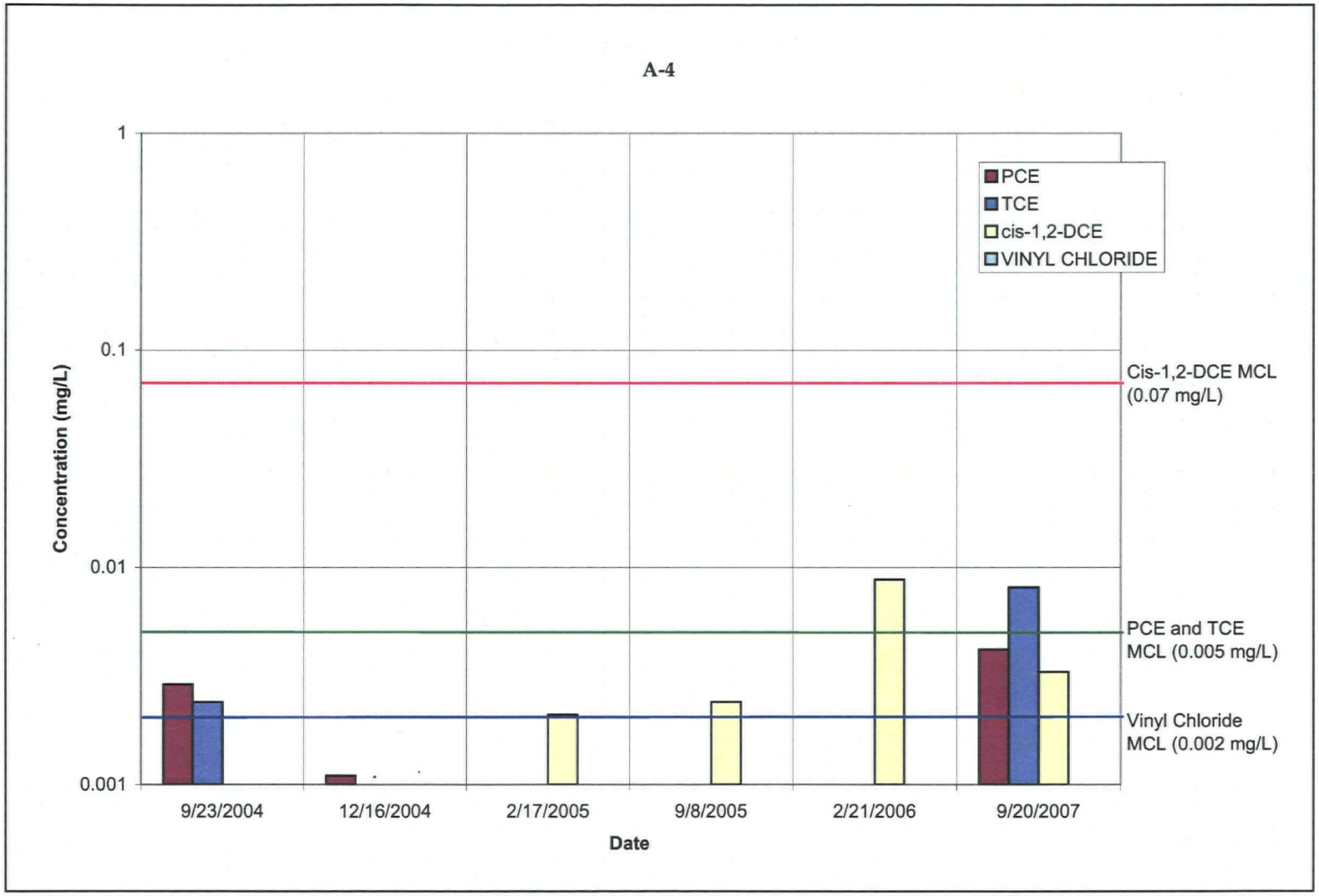


Figure 4a
Time versus Concentration in Southern-Trending Plume Wells
(DP-3-2, DP-3-1, BW-2, and B-1)

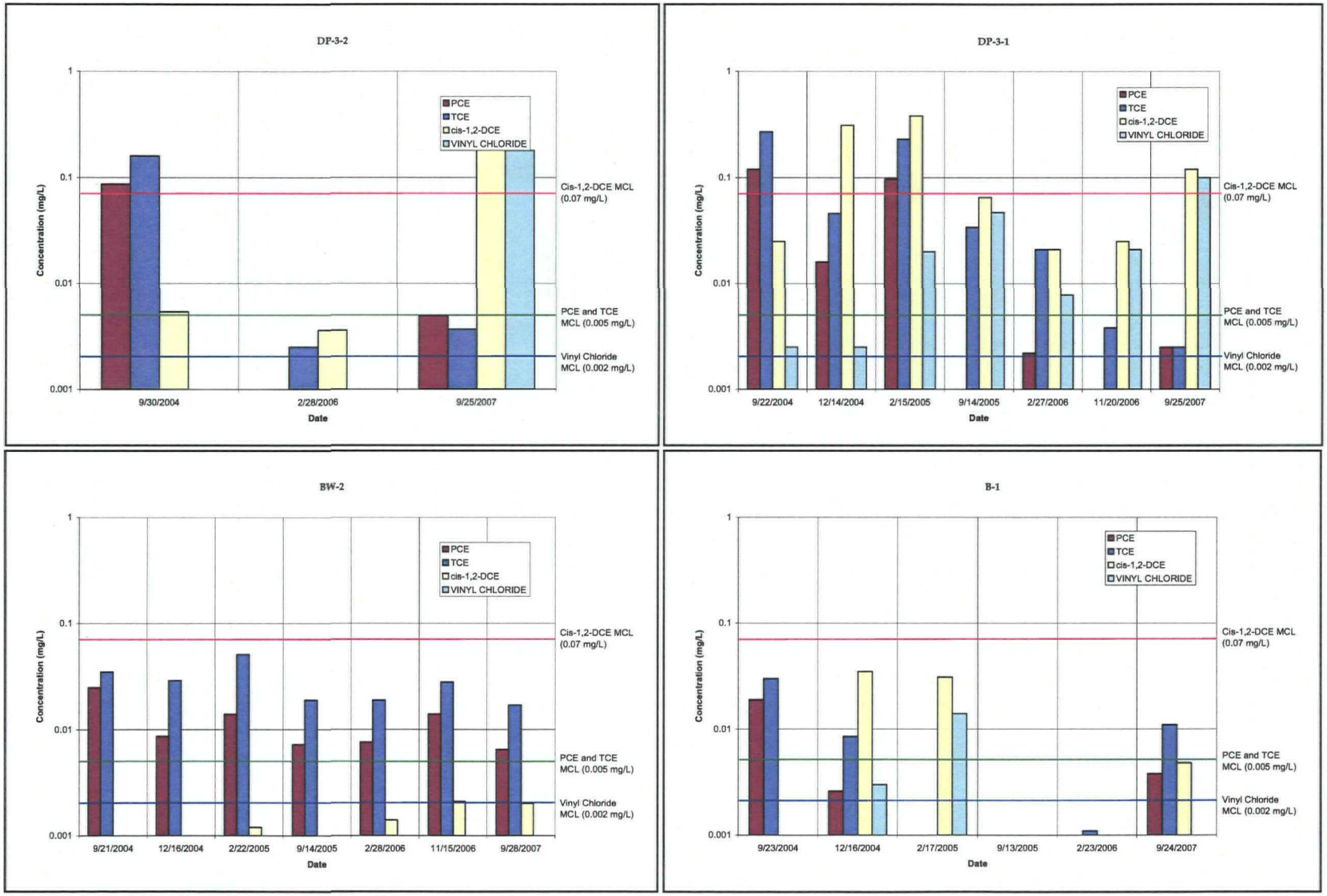


Figure 4b
Time versus Concentration in Southern-Trending Plume Wells
(B-2, B-3, SW-4, and B-4)

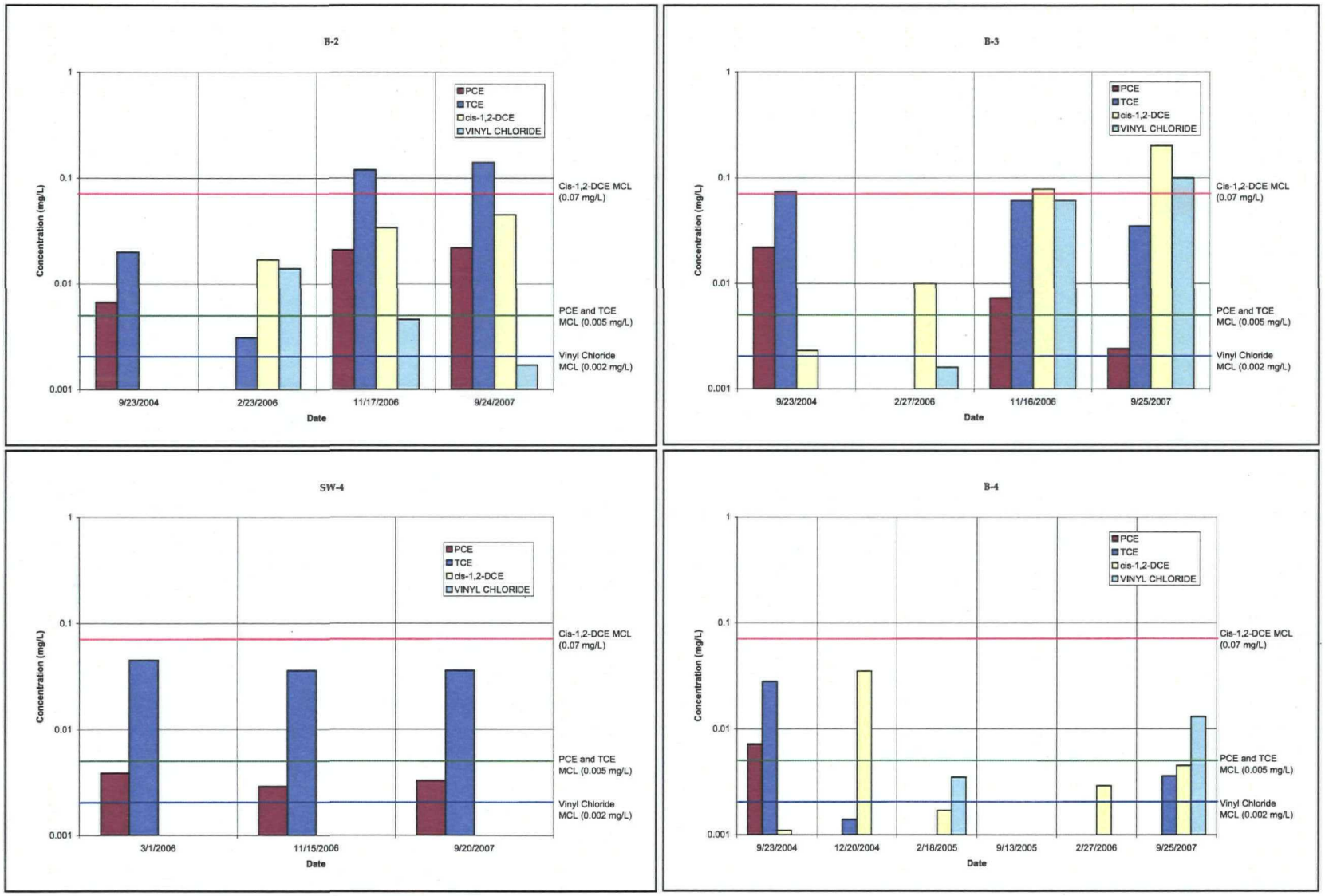


Figure 5a
Time versus Concentration in Eastern Plume Wells
(A-1, MW-4-1, MW-4-2, and A-2)

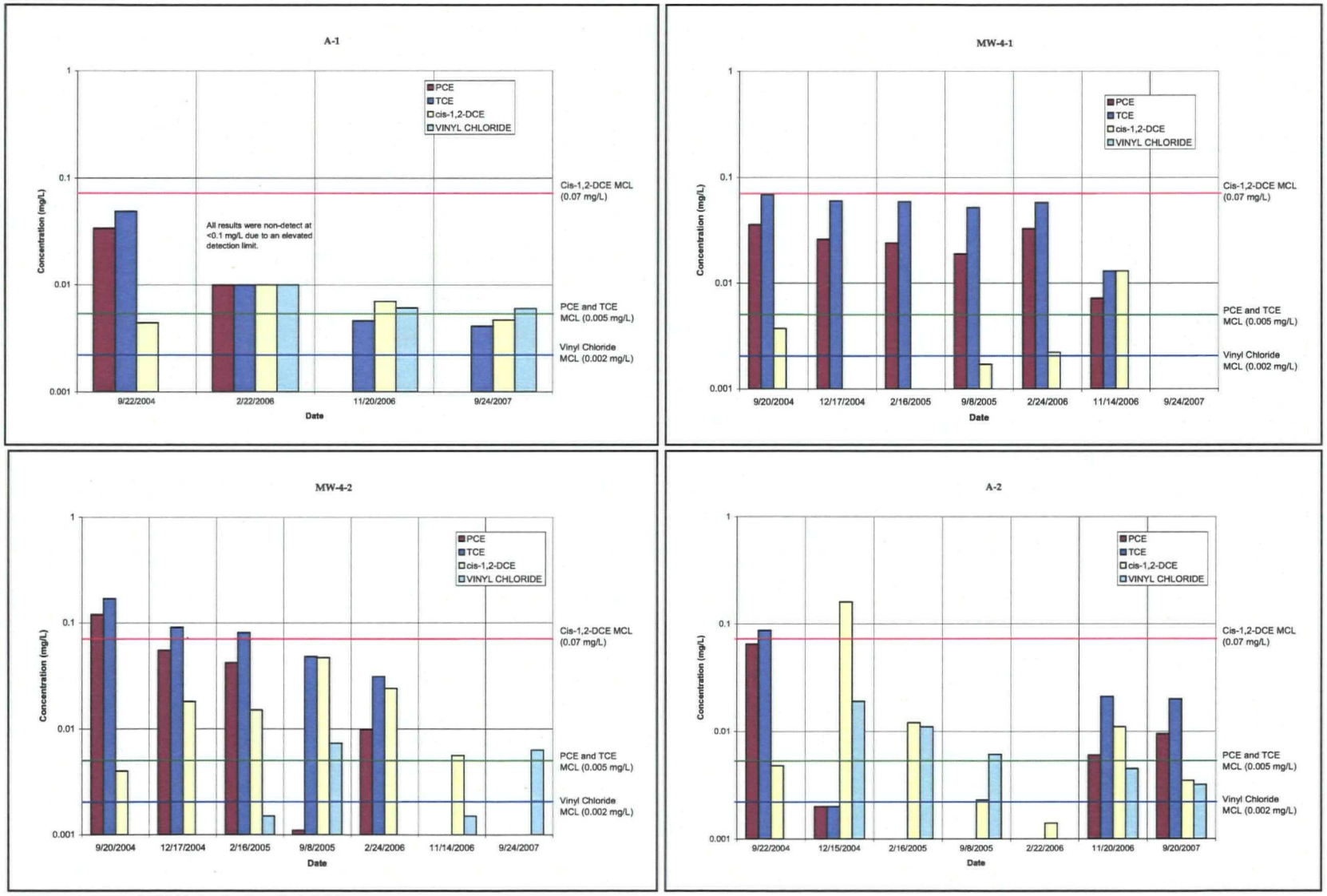


Figure 5b
Time versus Concentration in Eastern Plume Wells
(A-3, A-5, MW-2-1, and MW-2-2)

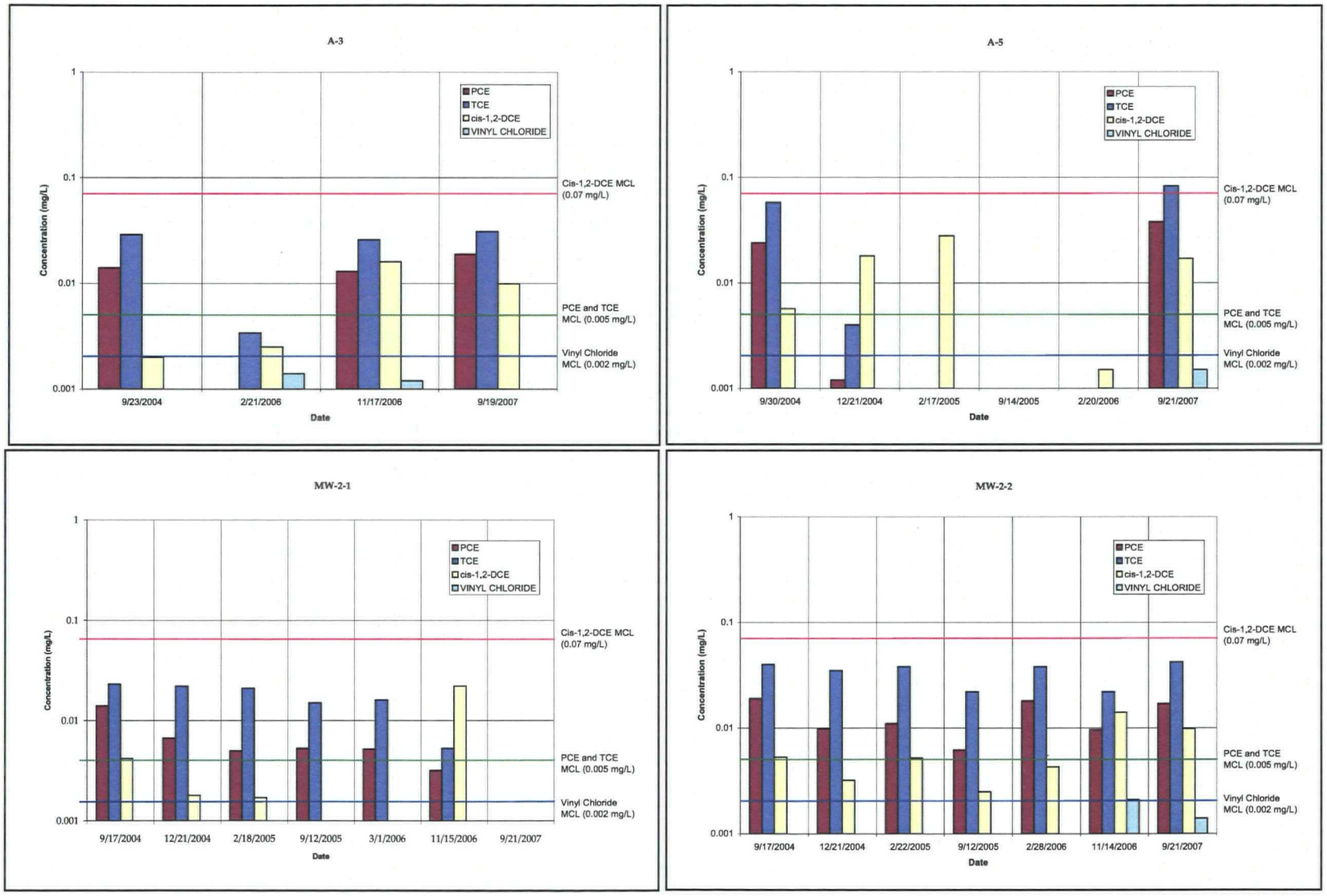


Figure 5c
Time versus Concentration in Eastern Plume Wells
(A-6, MLW-3-2, MLW-3-3, MLW-3-4)

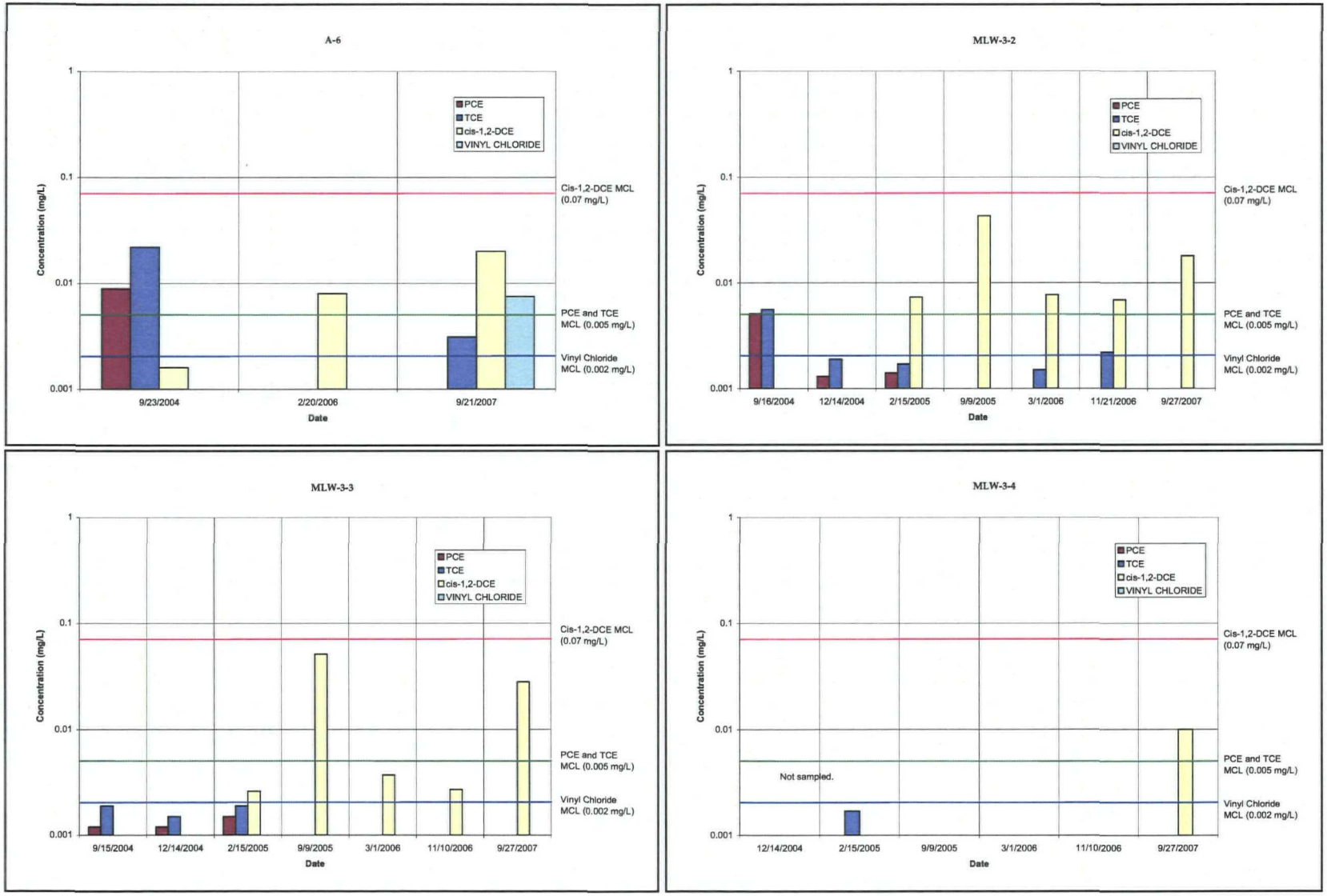
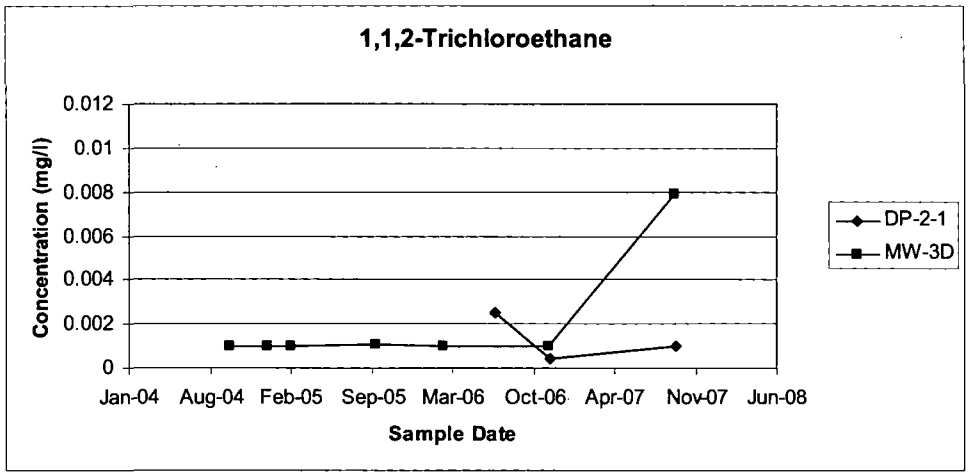
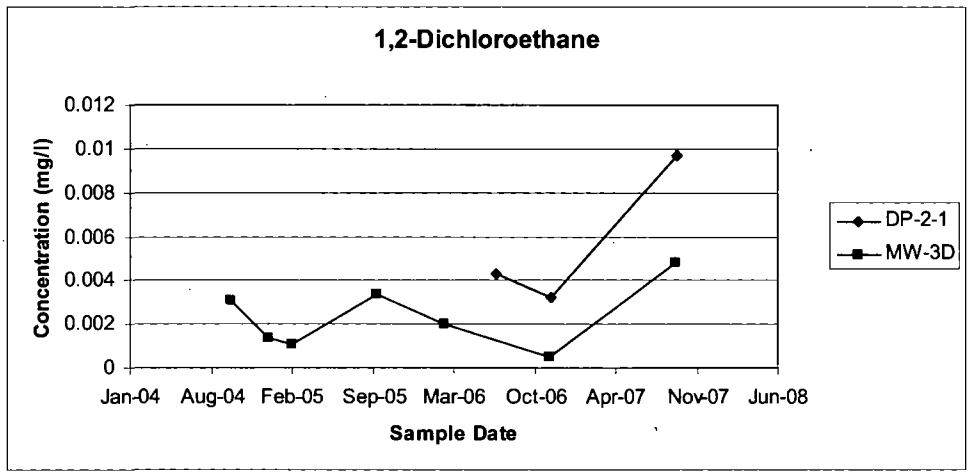


Figure 6
Time versus Concentration Graphs for 1,1,2-TCA, 1,2-DCA, and 1,1-DCE Detections in Northern-Trending Plume Wells





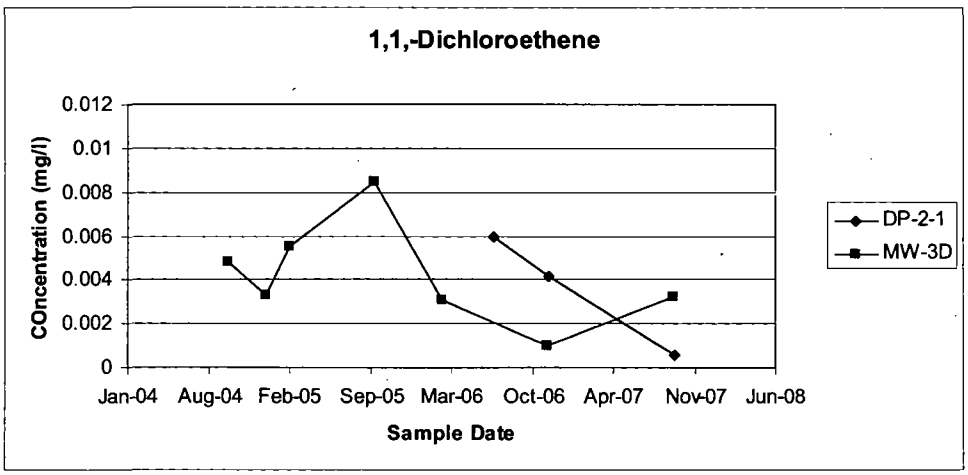
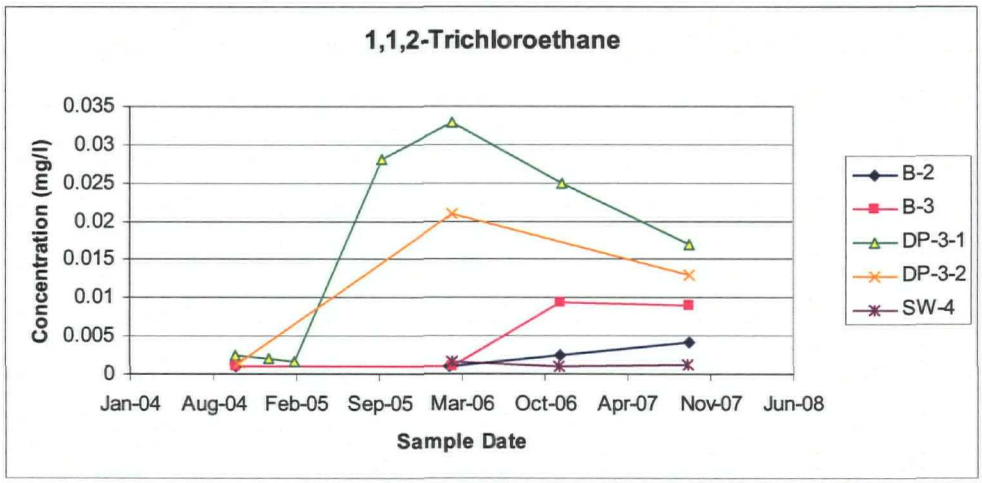
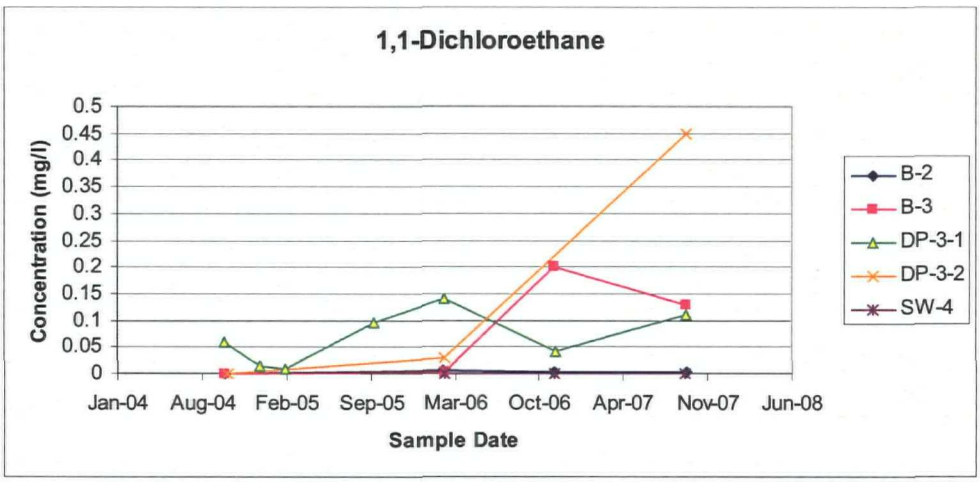


Figure 7
Time versus Concentration Graphs for 1,1,2-TCA, 1,2-DCA, and 1,1-DCE Detections in Southern-Trending Plume Wells





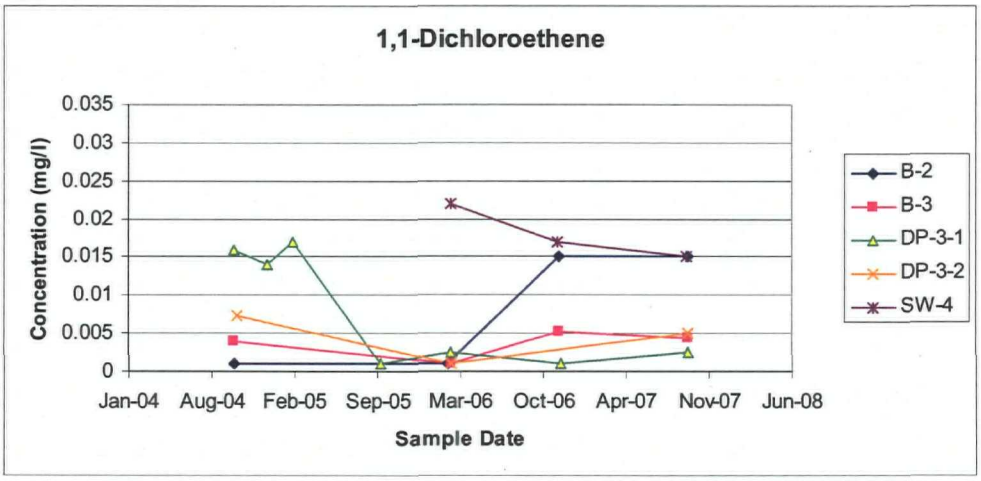
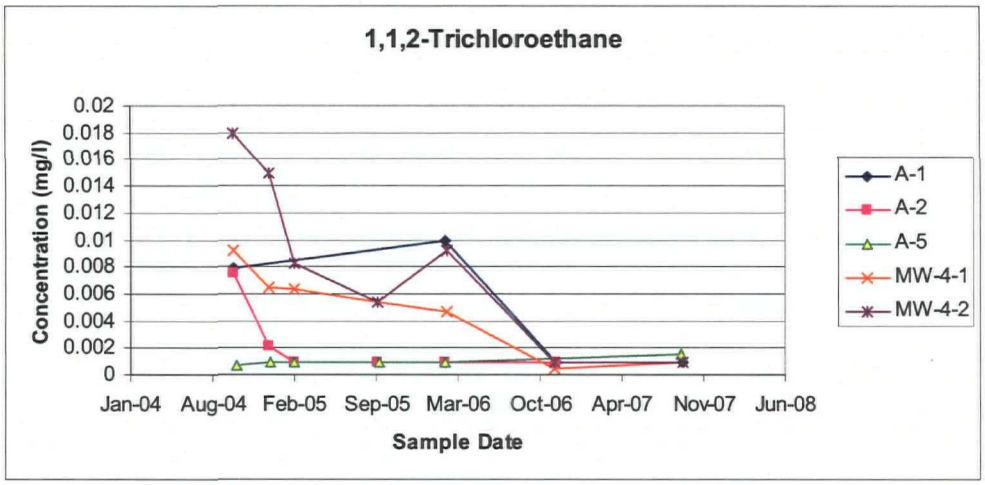
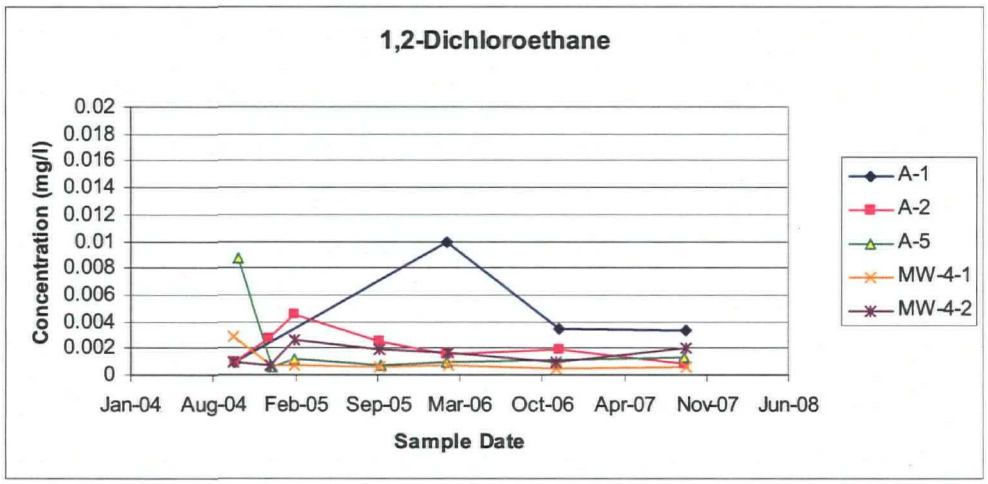
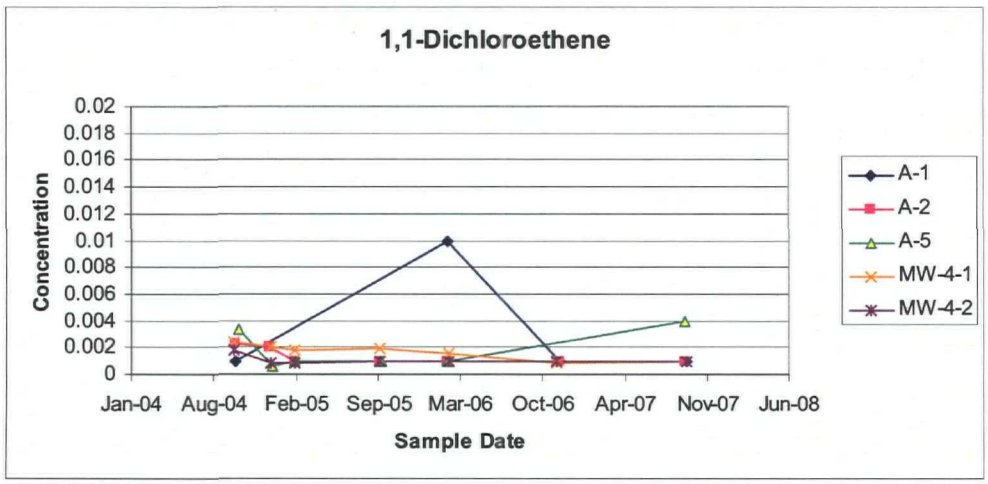


Figure 8
Time versus Concentration Graphs for 1,1,2-TCA, 1,2-DCA, and 1,1-DCE Detections in Eastern Plume Wells







Section 4
Updates to Site Hydrogeologic Model

After more than 15 years of field investigations and remedial activities at the site, recent analytical data from post-nutrient injection activities prompted RMT to conduct a comprehensive review of existing and historical geologic fieldwork. This information, combined with water level rebound data obtained after decommissioning of the groundwater recovery system and the more recent analytical results, was used to revise and update the site hydrogeologic model.

The interpretation of prior groundwater flow and transport models described in earlier site reports was derived using data that was greatly influenced by the operation of the groundwater recovery system. Historical VOC plume maps, including those presented in the 2006 *Annual Report*, were developed based on the presumption that VOC-affected groundwater was present in one large contiguous plume. After 12 years of active remediation, RMT's review of historical geologic investigations and recent analytical data indicates that VOCs in groundwater at the site are now discernable and present as three smaller individual plumes.

The VOC migration pathway of each plume appears to be predominantly controlled by site geology, (Figure 9) versus groundwater flow direction (Figure 2). The top of bedrock configuration shown in Figure 9 depicts that the top of bedrock surface generally mimicking the surface topography with a resistant ridge running northwest-southeast. In RMT's revised hydrogeological model, this bedrock ridge appears as a divide, with one plume migrating down the northern side of the ridge (from the former source near and downgradient of well DP-2-1) and another plume migrating down the southern side of this ridge (originates from the former VOC source area downgradient of DP-3-1). A third VOC plume occurs along the eastern portion of the site near wells A-2, A-3, A-5, and A-6, and flows parallel to the fault plane (also shown on Figure 9).

These three distinct groundwater plumes are more fully described and discussed in the following sections. Groundwater plume maps, illustrating the revised hydrogeological model and the horizontal distribution of PCE, TCE, *cis*-1,2-DCE, and VC as interpreted from the September 2007 data, are presented in Figures 10 through 13. Cross-sections showing the vertical distribution of VOCs in groundwater and subsurface geology are presented in Figure 14.

4.1 Southern-trending Plume

Historical groundwater data indicates that VOC-affected groundwater in the southern-trending plume originally emanated from the former source areas located near wells DP-3-1 and DP-3-2 and migrated downgradient towards wells B-1, B-2, and B-3. Recent increases in PCE and TCE levels in wells B-1 and B-2, and increases in 1,1,2-TCA and 1,2-DCA in B-3, DP-3-1, and DP-3-2 suggest the presence of VOC-affected groundwater in this area that is migrating in a southerly direction along the top of bedrock. Because VOC levels have either not been detected or detected at very low levels in the MLW-1 well nest, the migration rate of VOC-affected groundwater in this plume appears to be low and the horizontal extent of the southern-trending plume seems to be stable. This is also the area of the site that RMT encountered approximately 1,500 tons of waste debris in a disposal trench in 1993, which was subsequently removed from the site.

Wells DP-3-1 and DP-3-2 have been included as injection wells in the nutrient injection program. Analytical data suggests that nutrient injections have been successful in reducing overall VOC concentrations in these and downgradient wells. However, as discussed in the previous sections, as a result of the observed increase in ORP and VOC concentrations in well B-2, targeted nutrient injection is recommended in this area as a remedial measure to further mitigate observed VOC levels and reduce the risk for VOC migration in a direction towards the MLW-1 well nest.

4.2 Northern-trending Plume

The top of bedrock configuration is also believed to be a controlling factor in the migration of a northern-trending plume at the site. VOC-affected groundwater emanated from a former source area located near DP-2-1 has migrated in a downgradient direction towards wells SW-3, MW-3D, SW-108, BW-108, SW-201, and BW-201. Analytical data from these wells indicates that VOC concentrations are appreciably lower in the bedrock wells than in the shallower wells indicating that VOC-affected groundwater is likely migrating along the top of bedrock (Figure 14).

Wells DP-2-1, MW-3D, A-4, and A-7 have already been included as nutrient injection wells in the injection program. Analytical data suggests that injection activities have been successful in reducing overall VOC concentrations in these and the downgradient wells. However, increasing concentrations in DP-2-1, MW-3D, and SW-3 indicate that VOC-affected groundwater remains in this area. To mitigate long-term VOC migration, minimize the potential for VOC rebound and maintain conditions conducive to reductive dechlorination, targeted nutrient injection is recommended for this area.

4.3 Eastern Trending Plume

The dominant controlling factor for VOC flow and transport in the eastern plume is believed to be influenced by the NE trending fault. While groundwater flow directions do not appear to be directly influenced by this geologic structure, historical and recent groundwater data indicate that the fault acts as a migration barrier for VOCs. Historical and recent VOC data from wells located parallel to the fault indicate that VOC-affected groundwater emanated from a former VOC source area near A-1 and A-2 and has migrated downgradient and parallel to the fault plane in the direction of wells A-2, MW-4-1, MW-4-2, A-3, MW-2-2, MW-2-3, A-5, A-6, and the MLW-3 well nest.

Nutrient injection activities have been successful in reducing VOC concentrations since baseline conditions were collected in wells A-1, A-2, and A-6. However, increases in VOC have also been observed in this area. Site data suggests that the injected lactate-based suspensions have migrated into the aquifer creating reducing conditions along and downgradient of the fault plane. ORP is negative in most of the wells in the area. Analytical results from the MLW-3 wells indicate that levels of PCE and TCE have declined to below MCLs and *cis*-1,2-DCE has been consistently detected since the onset of nutrient injection. Furthermore, VC has not been detected in the MLW-3 indicating that it attenuates in the aquifer outside the injection area. These data suggest to RMT that the extent of the eastern plume is stable and shrinking in direct response to the nutrient injection activities. The observed increases in the levels of VOCs in wells A-3, A-4, and A-5 indicate that some VOCs remain in groundwater parallel to the fault plane. Based on these observations, targeted nutrient injection in wells A-3, A-5, and A-6 are recommended as a beneficial response measure.

Declines in concentrations of PCE and TCE and indicator parameters in wells located parallel to the fault indicate that lactate-based suspension also migrates laterally along the fault plane. This trend can also be observed in multilevel well MLW-3, located in the northeastern portion of the site where VOC concentrations were greater than the MCL before injection activities and declined to levels to below the MCL after injection activities.

U.S. EPA REGION IV

SDMS

Unscannable Material Target Sheet

DocID: 10598162 Site ID: SCD980558142

Site Name: Medley Farm Drum Dump

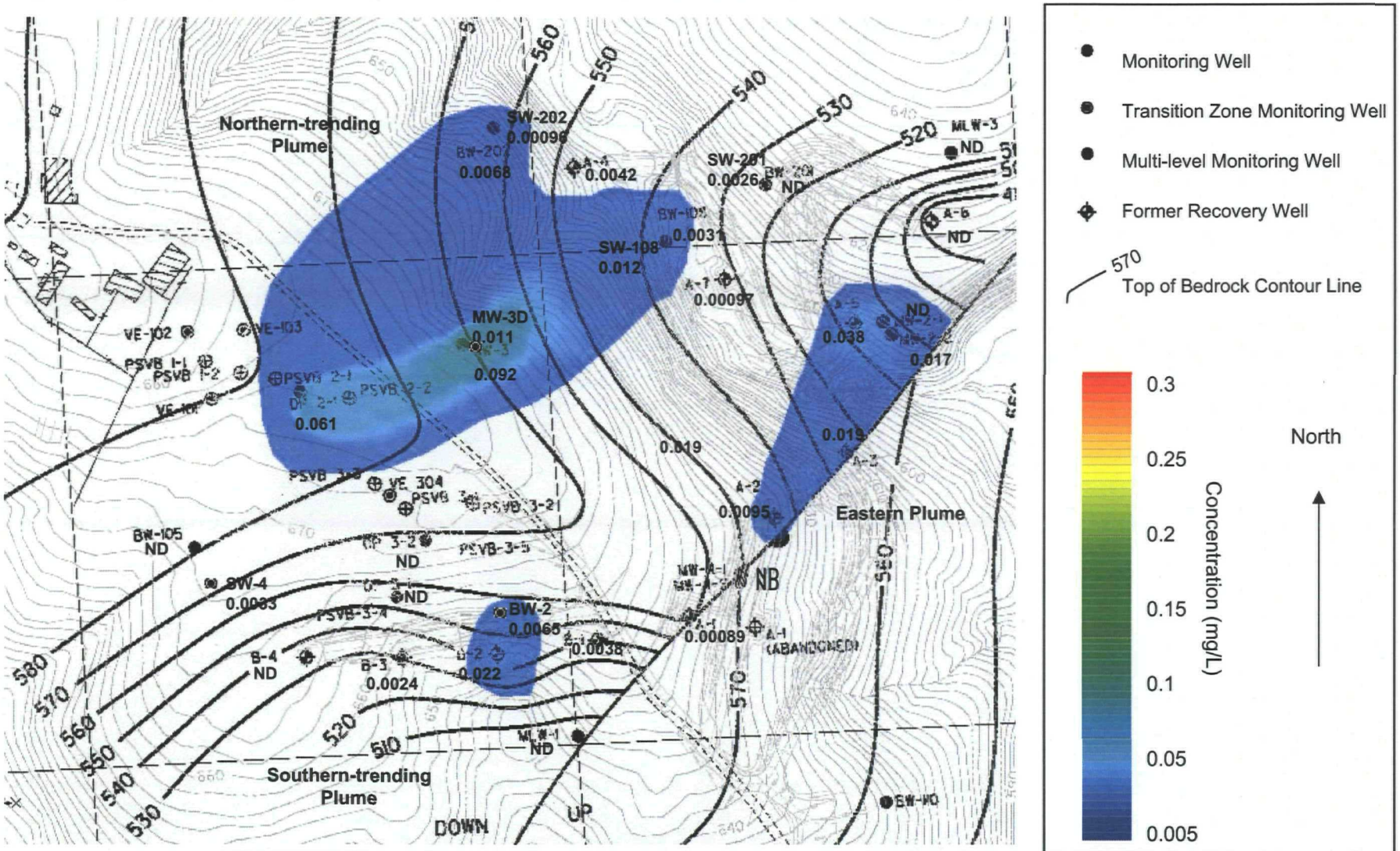
Nature of Material:

Map:	☑	Computer Disks:	☐
Photos:	☐	CD-ROM:	☐
Blueprints:	☐	Oversized Report:	☐
Slides:	☐	Log Book:	☐

Other (describe): Configuration of Bedrock Surface

Amount of material: _____

* Please contact the appropriate Records Center to view the material *



Monitoring Well

Transition Zone Monitoring Well

Multi-level Monitoring Well

Former Recovery Well

570 Top of Bedrock Contour Line

Concentration (mg/L)

0.3
0.25
0.2
0.15
0.1
0.05
0.005

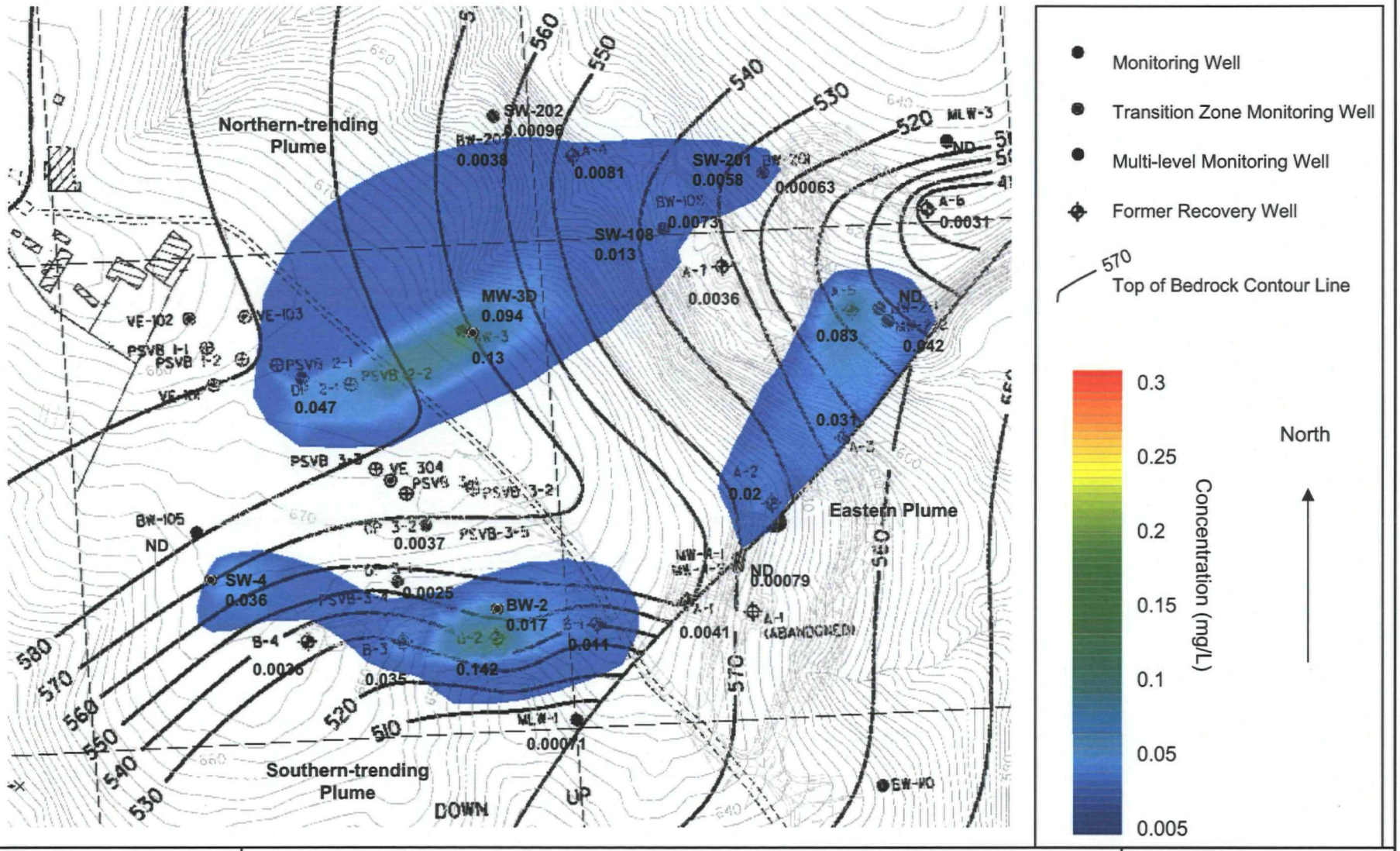
North

RMT

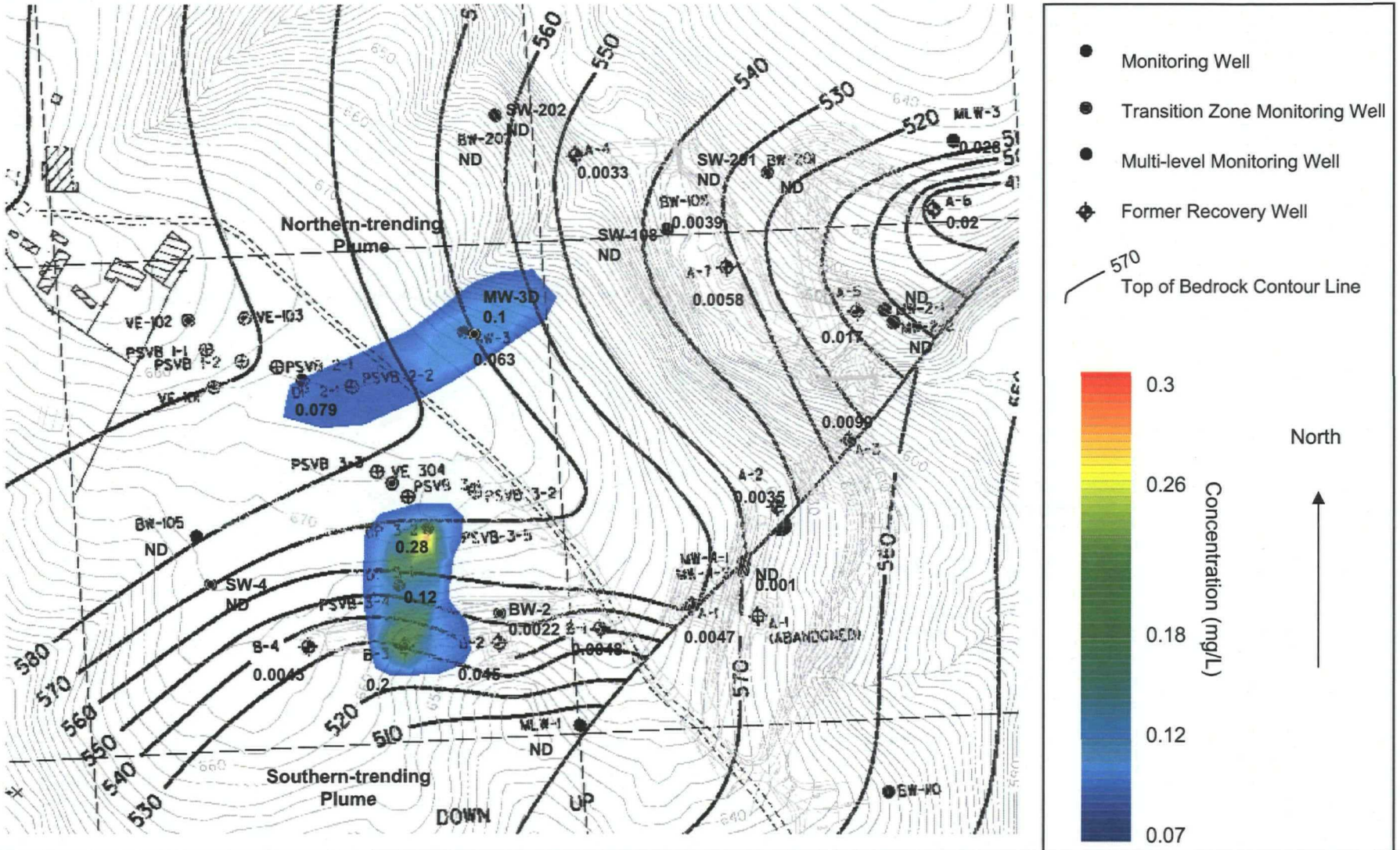
Figure 10
Distribution of Tetrachloroethene in Groundwater
September 2007

Medley Farm NPL Site
Gaffney, South Carolina

Drawn By: CLC	
Approved By:	
Project No.	
File No.	
Date: January 2008	



RMT	**Figure 11** **Distribution of Trichloroethene in Groundwater** **September 2007**	Drawn By: CLC
		Approved By:
		Project No.
	Medley Farm NPL Site **Gaffney, South Carolina**	File No.
		Date: January 2008

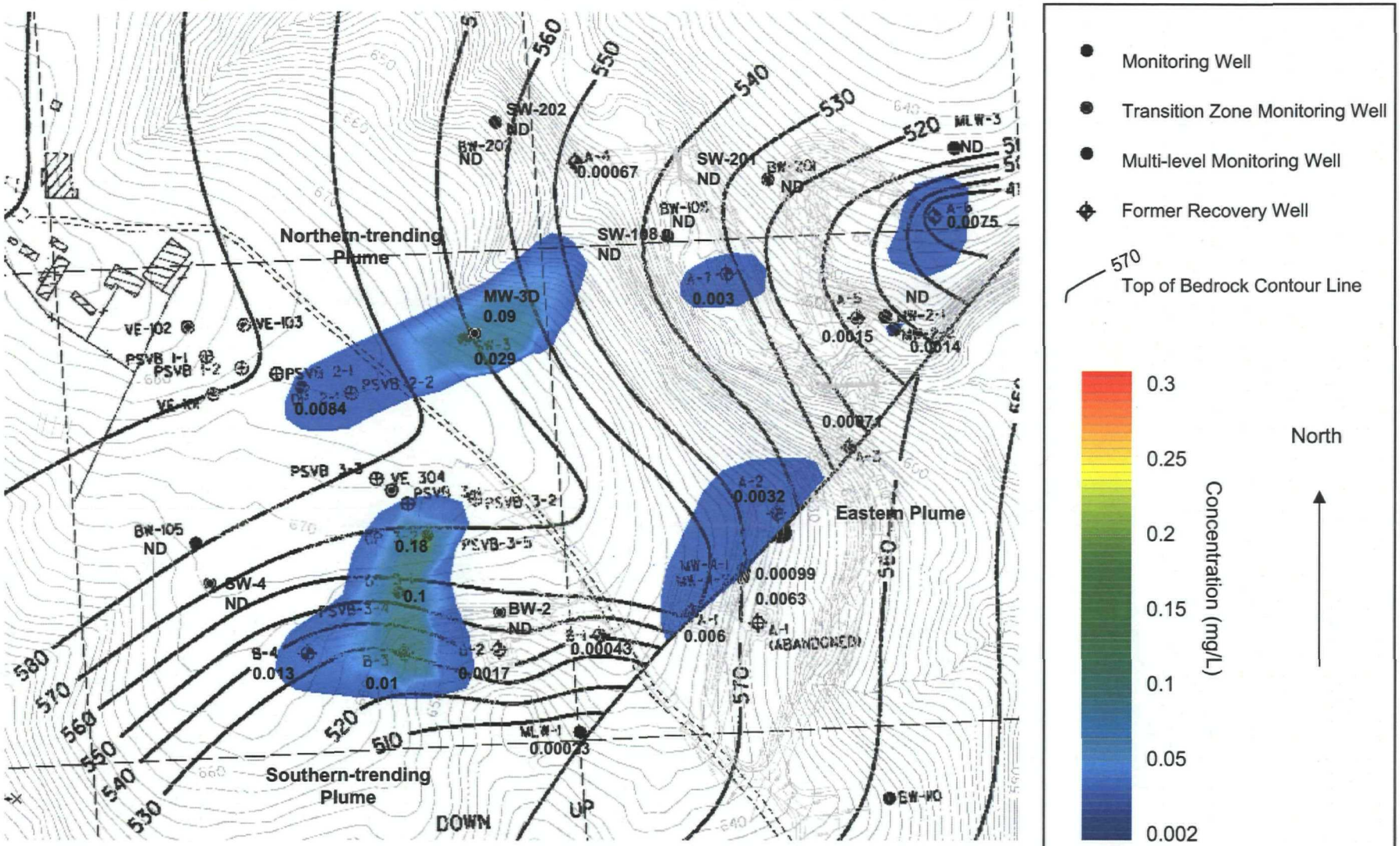


RMT

Figure 12
Distribution of *cis*-1,2-Dichloroethene in Groundwater
September 2007

Medley Farm NPL Site
Gaffney, South Carolina

Drawn By: CLC	
Approved By:	
Project No.	
File No.	
Date: January 2008	



RMT	**Figure 13** **Distribution of Vinyl Chloride in Groundwater** **September 2007**	Drawn By: CLC
		Approved By:
	Medley Farm NPL Site **Gaffney, South Carolina**	Project No.
		File No.
		Date: January 2008

U.S. EPA REGION IV

SDMS

Unscannable Material Target Sheet

DocID: 10598162 Site ID: _____

Site Name: _____

Nature of Material:

Map:	☐	Computer Disks:	☐
Photos:	☐	CD-ROM:	☐
Blueprints:	☐	Oversized Report:	☐
Slides:	☐	Log Book:	☐

Other (describe): Geologic Cross Sections A-A', B-B', and C-C'

Amount of material: _____

* Please contact the appropriate Records Center to view the material *

Section 5
Conclusions and Recommendations

5.1 Conclusions

The analytical results of the 2007 site-wide sampling event indicate that strong, reducing conditions remain prevalent over much of the site. After a one year hiatus from the last series of lactate injections, RMT expected that ORP values would begin to increase and return to baseline conditions, more indicative of oxidative conditions. Instead, what we observed was negative ORP conditions remain stable and prevalent over much of the site and biodegradation daughter products continue to be generated.

The previous lactate-based nutrient injection events conducted at the site seem to be successful and persistent in creating and maintaining an anaerobic and reducing environment, thus facilitating and enhancing degradation of PCE and TCE in groundwater. While generation of the daughter compounds *cis*-1,2-DCE and VC has been observed at the injection and monitoring wells, data collected since the baseline sampling in September 2004 has also revealed that ongoing reduction of these daughter compounds is occurring in groundwater at the site. The 2007 site-wide sampling event demonstrates that VC levels, in particular, continue to attenuate across the site. Additionally, there has been no sign of pronounced PCE and TCE rebound at the site. The analytical data indicate that VOC levels remain relatively stable and in several instances declined across the site, which demonstrate that USEPA's guidelines and requirements for MNA are being addressed and achieved.

Comprehensive analyses of the historical reports and investigations incorporated with the recent analytical data have led RMT to update and revision of a new site hydrogeologic model. The new model describes three separate smaller VOC plumes that are distinguishable and primarily controlled by the geologic site conditions and secondarily influenced by groundwater flow direction.

Within the areas of the site that previously exhibited the highest concentration of waste drums and exposed solid waste materials (former source areas), the analytical data indicates the presence of residual VOC concentrations. Former groundwater recovery wells B-2 and B-3 still show signs of VOCs as high as 140 parts per billion (ppb) TCE and 130 ppb DCA, respectively. Similar findings can be observed at former recovery wells DP 2-1, DP 3-1 and DP 3-2 and SW-3 and MW-3D. Although the data indicates that VOC concentrations remain in these areas, the groundwater quality also remains strongly reducing, and there is strong evidence of VOC

degradation "daughter products." There are also ongoing signs that reductive dechlorination is continuing to occur. Based upon these observations, it is reasonable to conclude that continued augmentation of these bioattenuation processes and monitoring of the nearby wells represent a reasonable and appropriate course of action over the coming months.

Outside of the VOC source areas, the groundwater data reveals considerable improvement in ground water quality. Wells MW-2-1, MW-4-1, MW-4-2, and the MLW-3 wells exhibit reduced VOC concentrations. Of these wells, the only observed MCL exceedance was for the biodegradation daughter product (VC) in MW-4-2. RMT believes that this is a significant finding and indicates that ongoing reductive dechlorination is continuing to improve groundwater quality at the site.

The only perimeter monitoring wells that were identified as marginal in this regard included: former recovery well A-5 and MW-2-2. Former recovery well A-5 was historically one of the better producing groundwater recovery wells during active pump and treat operations. MW 2-2 is a nearby monitoring well that was installed to monitor treatment response in this portion of the site. Since VOC levels appear to be stable in this area of the site, RMT concludes that VOC mass was drawn to this area by the hydraulic influences of extended and pronounced pumping and withdrawal. Since both of these wells continue to show signs of reducing conditions and evolution of biodegradation daughter products persists, RMT believes that environmental conditions remain suitable for reductive dechlorination in this area.

As previously discussed above and in the 2006 Annual report, the removal of the pumps and piping internals from the former A and B series recovery wells (A-1, A-2, A-3, A-4, A-6, A-7, B-1, B-2, B-3, and B-4) in the summer of 2006 allowed subsequent sampling to be more representative of true aquifer conditions. Since well sampling purge volumes were constrained while the well internals were in place and the fact that these wells were previously used as injection wells, there was concern that groundwater samples collected from these wells in the December 2004, February 2005, and February/March 2006 sampling event might contain residual levels of lactate-based treatment media, and localized VOC concentrations might appear to be lower than what was actually present in groundwater. The results of the November 2006 monitoring event indicated that VOC concentrations in groundwater samples collected from the former groundwater recovery wells were slightly higher than what was previously observed in monitoring events. Because of the change in sampling methodologies (Appendix F), analytical results from the September 2007 site-wide sampling event were compared against baseline conditions prior to any nutrient injection and against the November 2006 sampling results, following removal of the well internals.

5.2 Recommendations

Based on our review of historical data analyses and field studies, including the overall positive results of the 2007 site-wide sampling event, RMT recommends that a more holistic and focused remedial approach be adopted at the site in order to attain compliance with USEPA MNA protocols and ultimately obtain a NFA designation for the site. RMT proposes the following remedial actions be implemented at the site over the next two years.

- Conduct an injection event of lactate-based bionutrient suspensions during the second quarter 2008 into targeted, strategically located well locations to maintain a strong, reducing environment and optimized conditions for ongoing reductive dechlorination. Table 11 contains a list of the wells recommended for these second quarter 2008 injections.
- Conduct a site-wide sampling event in the fourth quarter 2008 to assess site conditions and evaluate ongoing site remediation performance.
- Provide USEPA and SC DHEC with an interim technical memorandum communicating the analytical results from the preceding site-wide sampling event, but suspend preparation of any annual reports or regulatory meetings in 2008.
- Conduct a second bionutrient injection event during the second quarter of 2009 into targeted VOC "hot spot" well locations identified during the 2008 site-wide sampling event.
- Conduct a second site-wide sampling event during the fourth quarter 2009 to assess site conditions and evaluate ongoing site remediation performance.
- Utilizing the site-wide data collected during the 2008 and 2009 sampling events, compile the data and develop a biennial remediation report suitable for submission and review by the USEPA and SC DHEC.
- Following this prescribed time line, obtain review comments and convene a project meeting with the steering committee, USEPA and SC DHEC representatives during the second quarter 2010 to address project progress and establish priorities and focus for site closure.

If the VOC levels observed in groundwater of late 2009 indicate that additional nutrient injection is necessary to achieve levels that no longer represent a human health risk or ecological risk to reasonable surface or groundwater receptors, then a proposal for additional nutrient injections will be prepared and presented to the USEPA and SC DHEC for implementation during the fourth quarter 2010. If site-wide groundwater data indicate that VOC concentrations have achieved levels that no longer pose a risk to human health or the environment and have not appreciably increased with time, we would recommend USEPA and SC DHEC approval of a period of MNA for two years or until site VOCs achieve asymptotic values above the target remediation levels in accordance with the sampling and analysis plan included in the PSVP. During this two year time frame, semiannual monitoring for site VOCs will be conducted in

selected monitoring wells to verify the continuing attenuation of the observed VOC plumes. The monitoring program proposed for MNA sampling would be determined by the groundwater quality observed at the time of the site-wide sampling event in 2009.

Furthermore, at the end of the designated MNA period, if the VOC plumes have further degraded or have maintained steady-state conditions at sufficiently low levels, a determination of NFA will be requested and technically justified in a written document submitted for USEPA and SC DHEC review and acceptance.

Following the site-wide sampling event in the fourth quarter 2008, RMT will provide USEPA and SC DHEC with an interim technical memorandum communicating the analytical results from the preceding site-wide sampling event. We propose suspending preparation of an annual reports or scheduling a regulatory meeting in 2008. In the first quarter of 2010, a biennial remediation report will be submitted to USEPA and SC DHEC that would compile the analytical data collected during 2008 and 2009 time frame and serve a dual function as the 2010 Five Year Review Report. Following this prescribed time line, a project team meeting with the Medley Farm Site Steering Committee, RMT, USEPA, and SC DHEC will be scheduled and conducted during the second quarter of 2010 to review agency comments and discuss and negotiate a path forward that will lead to a timely and cost-effective site closure.

Table 11
Wells for Targeted Nutrient Injection in 2008/2009

NORTHERN-TRENDING LUME	SOUTHERN-TRENDING PLUME	EASTERN PLUME
DP-2-1	DP-3-1	A-2
MW-3D	DP-3-2	A-3
A-4	B-1	A-5
A-7	B-2	A-6
	B-3	MW-4-2

Section 6
References

USEPA. 1991. *Superfund, Record of Decision, Medley Farm Drum Dump,* EPA ID: SCD980558142, OUI 01, Gaffney, SC. May 5th 1991

RMT. 1993. *Performance Standards Verification Field Sampling and Analysis Plan.* Prepared for the Medley Farm Site Steering Committee. August 1993.

RMT. 2001. *2000 Remedial Action Annual Report, Medley Farm NPL Site.* Prepared for The Medley Farm Site Steering Committee. March 2001 (revised June 2001).

RMT. 2004. *Revised Workplan and Design Report for Reductive Dechlorination.* Prepared for the Medley Farm Site Steering Committee. June 2004, Revised August 2004.

SUMMARY TABLE (SEPTEMBER 2004
THROUGH SEPTEMBER 2007)

Appendix A
Water Table Elevation Summary Table
(September 2004 through September 2007)

A-1
Summary of Groundwater Elevations

Station	Measuring Point Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]
		09/14/04	09/14/04	09/30/04	09/30/04	12/13/04	12/13/04	01/18/05	01/18/05
A-1	651.73	63.52	588.21	NM	NM	61.45	590.28	60.97	590.76
A-2	643.31	59.88	583.43	NM	NM	58.62	584.69	58.30	585.01
A-3	604.67	21.27	583.40	NM	NM	20.20	584.47	19.61	585.06
A-4	618.09	21.80	596.29	NM	NM	18.57	599.52	17.65	600.44
A-5	603.21	17.65	585.56	21.00	582.21	14.98	588.23	14.55	588.66
A-6	632.09	47.51	584.58	NM	NM	45.29	586.80	44.64	587.45
A-7	605.10	17.83	587.27	NM	NM	14.15	590.95	13.30	591.80
B-1	660.55	74.37	586.18	NM	NM	70.96	589.59	70.13	590.42
B-2	661.56	73.05	588.51	NM	NM	69.20	592.36	68.42	593.14
B-3	661.84	72.81	589.03	NM	NM	68.64	593.20	67.54	594.30
B-4	665.81	75.55	590.26	NM	NM	71.13	594.68	69.84	595.97
BW-1	689.90	51.34	638.56	NM	NM	51.72	638.18	51.73	638.17
BW-105	671.55	69.15	602.40	NM	NM	66.10	605.45	64.84	606.71
BW-106	595.76	8.31	587.45	NM	NM	4.82	590.94	4.58	591.18
BW-108	605.64	15.50	590.14	NM	NM	11.43	594.21	10.28	595.36
BW-109	661.47	71.80	589.67	NM	NM	67.23	594.24	65.92	595.55
BW-110	626.36	49.24	577.12	NM	NM	48.60	577.76	48.51	577.85
BW-2	662.99	75.57	587.42	NM	NM	72.02	590.97	71.17	591.82
BW-201	618.29	30.68	587.61	NM	NM	27.45	590.84	26.59	591.70
BW-202	636.79	32.94	603.85	NM	NM	31.35	605.44	31.05	605.74
BW-3	574.82	6.74	568.08	NM	NM	6.50	568.32	6.61	568.21
BW-4	564.32	NM	NM	NM	NM	5.46	558.86	5.64	558.68
DP-2-1	677.84	NM	NM	NM	NM	NM	NM	NM	NM
DP-3-1	665.78	NM	NM	NM	NM	NM	NM	NM	NM
DP-3-2	672.83	NM	NM	97.60	575.23	77.05	595.78	76.58	596.25
MLW-1-1	653.32	--	582.59	NM	NM	--	585.30	--	586.84

A-1
Summary of Groundwater Elevations

Station	Measuring Point Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]
		09/14/04	09/14/04	09/30/04	09/30/04	12/13/04	12/13/04	01/18/05	01/18/05
MLW-1-2	653.32	--	584.39	NM	NM	--	587.37	--	589.00
MLW-1-3	653.32	--	585.96	NM	NM	--	588.69	--	590.67
MLW-1-4	653.32	--	586.95	NM	NM	--	589.84	--	591.53
MLW-3-1	636.68	--	581.34	NM	NM	--	583.14	--	584.80
MLW-3-2	636.68	--	580.89	NM	NM	--	582.70	--	584.26
MLW-3-3	636.68	--	582.12	NM	NM	--	583.81	--	585.37
MLW-3-4	636.68	--	581.57	NM	NM	--	583.02	--	584.63
MW-2-1	602.80	20.55	582.25	NM	NM	26.29	576.51	20.18	582.62
MW-2-2	602.42	17.57	584.85	NM	NM	15.41	587.01	14.82	587.60
MW-3D	670.28	79.98	590.30	NM	NM	75.49	594.79	74.30	595.98
MW-4-1	644.80	64.80	580.00	NM	NM	75.35	569.45	74.50	570.30
MW-4-2	644.60	60.77	583.83	NM	NM	58.79	585.81	58.27	586.33
PZ-1	575.41	7.46	567.95	NM	NM	6.97	568.44	7.15	568.26
PZ-101	688.49	54.25	634.24	NM	NM	54.61	633.88	54.85	633.64
SW-1	690.47	52.06	638.41	NM	NM	52.33	638.14	52.42	638.05
SW-101	604.18	32.72	571.46	NM	NM	32.32	571.86	32.39	571.79
SW-102	620.07	42.40	577.67	NM	NM	41.30	578.77	41.17	578.90
SW-103	635.68	Dry	Dry	NM	NM	43.15	592.53	42.35	593.33
SW-104	649.85	23.90	625.95	NM	NM	22.68	627.17	22.21	627.64
SW-106	596.12	15.03	581.09	NM	NM	13.17	582.95	12.09	584.03
SW-108	605.28	17.17	588.11	NM	NM	12.70	592.58	11.50	593.78
SW-109	661.26	Dry	Dry	NM	NM	Dry	Dry	Dry	Dry
SW-201	620.68	31.27	589.41	NM	NM	28.74	591.94	27.58	593.10
SW-202	636.93	36.20	600.73	NM	NM	34.19	602.74	33.53	603.40
SW-3	671.31	Dry	Dry	NM	NM	77.88	593.43	76.42	594.89
SW-4	671.39	Dry	Dry	NM	NM	Dry	Dry	Dry	Dry

[1] Elevation in feet above mean sea level (msl).
[2] Depth in feet below top of well casing.
NM - Not measured.

A-1
Summary of Groundwater Elevations

Station	Measuring Point Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]
		02/14/05	02/14/05	07/11/05	07/11/05	09/07/05	09/07/05	10/28/05	10/28/05
A-1	651.73	60.25	591.48	57.32	594.41	57.33	594.40	57.23	594.50
A-2	643.31	57.58	585.73	56.51	586.80	56.21	587.10	56.26	587.05
A-3	604.67	18.95	585.72	18.28	586.39	18.23	586.44	18.44	586.23
A-4	618.09	16.86	601.23	15.11	602.98	15.42	602.67	15.47	602.62
A-5	603.21	13.46	589.75	12.28	590.93	12.43	590.78	12.62	590.59
A-6	632.09	43.87	588.22	42.29	589.80	42.37	589.72	42.68	589.41
A-7	605.10	12.50	592.60	11.00	594.10	11.48	593.62	11.53	593.57
B-1	660.55	69.40	591.15	66.52	594.03	66.54	594.01	66.56	593.99
B-2	661.56	67.57	593.99	64.70	596.86	64.75	596.81	65.02	596.54
B-3	661.84	66.57	595.27	62.95	598.89	62.76	599.08	62.85	598.99
B-4	665.81	68.71	597.10	64.91	600.90	64.65	601.16	64.75	601.06
BW-1	689.90	50.98	638.92	50.95	638.95	51.22	638.68	52.07	637.83
BW-105	671.55	64.51	607.04	61.75	609.80	61.58	609.97	61.95	609.60
BW-106	595.76	4.00	591.76	2.29	593.47	2.37	593.39	2.61	593.15
BW-108	605.64	9.34	596.30	7.20	598.44	7.51	598.13	7.46	598.18
BW-109	661.47	65.07	596.40	61.39	600.08	61.23	600.24	61.41	600.06
BW-110	626.36	48.00	578.36	47.78	578.58	47.75	578.61	48.00	578.36
BW-2	662.99	70.30	592.69	67.70	595.29	67.63	595.36	67.93	595.06
BW-201	618.29	25.80	592.49	24.28	594.01	24.64	593.65	24.74	593.55
BW-202	636.79	30.64	606.15	29.75	607.04	29.93	606.86	30.16	606.63
BW-3	574.82	6.70	568.12	6.98	567.84	7.26	567.56	7.05	567.77
BW-4	564.32	5.76	558.56	6.07	558.25	6.58	557.74	6.07	558.25
DP-2-1	677.84	NM	NM	69.77	608.07	69.72	608.12	69.90	607.94
DP-3-1	665.78	NM	NM	65.33	600.45	65.09	600.69	65.21	600.57
DP-3-2	672.83	NM	NM	70.95	601.88	70.73	602.10	70.80	602.03
MLW-1-1	653.32	--	587.10	--	588.86	--	588.83	--	588.83

A-1

Summary of Groundwater Elevations

Station	Measuring Point Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]
		02/14/05	02/14/05	07/11/05	07/11/05	09/07/05	09/07/05	10/28/05	10/28/05
MLW-1-2	653.32	--	589.33	--	591.48	--	591.50	--	591.19
MLW-1-3	653.32	--	591.15	--	593.65	--	593.73	--	593.30
MLW-1-4	653.32	--	591.81	--	594.37	--	594.42	--	594.04
MLW-3-1	636.68	--	584.99	--	586.32	--	586.32	--	586.00
MLW-3-2	636.68	--	584.43	--	585.98	--	585.91	--	585.62
MLW-3-3	636.68	--	585.53	--	587.07	--	587.03	--	586.72
MLW-3-4	636.68	--	584.81	--	586.51	--	586.55	--	586.18
MW-2-1	602.80	16.87	585.93	12.90	589.90	12.58	590.22	18.83	583.97
MW-2-2	602.42	13.93	588.49	12.80	589.62	13.05	589.37	13.17	589.25
MW-3D	670.28	73.09	597.19	69.39	600.89	69.12	601.16	69.19	601.09
MW-4-1	644.80	69.78	575.02	60.05	584.75	58.28	586.52	60.23	584.57
MW-4-2	644.60	57.60	587.00	55.84	588.76	55.78	588.82	56.12	588.48
PZ-1	575.41	7.32	568.09	7.75	567.66	8.50	566.91	7.81	567.60
PZ-101	688.49	54.74	633.75	54.19	634.30	54.08	634.41	54.56	633.93
SW-1	690.47	52.25	638.22	51.61	638.86	51.94	638.53	52.76	637.71
SW-101	604.18	32.37	571.81	32.60	571.58	33.05	571.13	32.93	571.25
SW-102	620.07	40.85	579.22	40.08	579.99	40.29	579.78	40.73	579.34
SW-103	635.68	41.49	594.19	38.52	597.16	38.68	597.00	39.32	596.36
SW-104	649.85	22.43	627.42	21.78	628.07	23.27	626.58	24.81	625.04
SW-106	596.12	11.80	584.32	10.51	585.61	11.65	584.47	12.02	584.10
SW-108	605.28	10.75	594.53	9.11	596.17	9.50	595.78	9.45	595.83
SW-109	661.26	Dry	Dry	61.30	599.96	61.11	600.15	61.18	600.08
SW-201	620.68	26.56	594.12	24.38	596.30	24.82	595.86	25.22	595.46
SW-202	636.93	32.93	604.00	31.63	605.30	31.96	604.97	32.22	604.71
SW-3	671.31	75.18	596.13	72.24	599.07	71.90	599.41	71.90	599.41
SW-4	671.39	Dry	Dry	67.70	603.69	66.91	604.48	66.76	604.63

[1] Elevation in feet above mean sea level (msl).
[2] Depth in feet below top of well casing.
NM - Not measured.

A-1
Summary of Groundwater Elevations

Station	Measuring Point Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]
		01/04/06	01/04/06	02/15/06	02/15/06	07/06/06	07/06/06	11/09/06	11/09/06
A-1	651.73	56.53	595.20	56.41	595.32	56.35	595.38	56.92	594.81
A-2	643.31	56	587.31	55.68	587.63	55.46	587.85	56.58	586.73
A-3	604.67	17.8	586.87	17.98	586.69	17.96	586.71	18.72	585.95
A-4	618.09	14.67	603.42	14.69	603.40	15.23	602.86	15.68	602.41
A-5	603.21	12.1	591.11	12.3	590.91	12.29	590.92	12.83	590.38
A-6	632.09	42.16	589.93	42.28	589.81	42.55	589.54	43.25	588.84
A-7	605.10	10.7	594.40	10.75	594.35	11.14	593.96	11.68	593.42
B-1	660.55	66.13	594.42	66.07	594.48	66.34	594.21	66.4	594.15
B-2	661.56	64.3	597.26	64.3	597.26	64.27	597.29	64.57	596.99
B-3	661.84	61.86	599.98	61.92	599.92	61.87	599.97	62.51	599.33
B-4	665.81	63.86	601.95	63.79	602.02	63.7	602.11	64.08	601.73
BW-1	689.90	52.5	637.40	52.67	637.23	53.05	636.85	54.53	635.37
BW-105	671.55	61.47	610.08	60.51	611.04	61.74	609.81	62.76	608.79
BW-106	595.76	1.97	593.79	1.9	593.86	2.07	593.69	2.36	593.40
BW-108	605.64	6.83	598.81	6.65	598.99	6.85	598.79	7.55	598.09
BW-109	661.47	60.33	601.14	60.54	600.93	60.38	601.09	60.84	600.63
BW-110	626.36	47.65	578.71	47.62	578.74	47.84	578.52	48.15	578.21
BW-2	662.99	67.2	595.79	66.5	596.49	67.05	595.94	67.48	595.51
BW-201	618.29	23.9	594.39	24.08	594.21	24.52	593.77	25.01	593.28
BW-202	636.79	29.83	606.96	29.93	606.86	30.33	606.46	30.82	605.97
BW-3	574.82	6.13	568.69	7	567.82	7.2	567.62	7.14	567.68
BW-4	564.32	5.05	559.27	5.55	558.77	6.2	558.12	6.15	558.17
DP-2-1	677.84	69.33	608.51	69.25	608.59	69.71	608.13	69.85	607.99
DP-3-1	665.78	64.08	601.70	63.99	601.79	63.96	601.82	64.68	601.10
DP-3-2	672.83	69.7	603.13	69.56	603.27	69.79	603.04	70.25	602.58
MLW-1-1	653.32	--	588.93	--	589.30	--	588.98	--	588.32

A-1
Summary of Groundwater Elevations

Station	Measuring Point Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]	Depth To Water[2]	Water Table Elevation[1]
		01/04/06	01/04/06	02/15/06	02/15/06	07/06/06	07/06/06	11/09/06	11/09/06
MLW-1-2	653.32	--	591.64	--	592.06	--	591.46	--	591.11
MLW-1-3	653.32	--	593.84	--	594.29	--	594.14	--	593.24
MLW-1-4	653.32	--	594.52	--	594.99	--	594.68	--	593.82
MLW-3-1	636.68	--	586.17	--	586.47	--	586.13	--	585.12
MLW-3-2	636.68	--	585.82	--	586.14	--	585.76	--	584.59
MLW-3-3	636.68	--	586.90	--	587.23	--	586.86	--	585.72
MLW-3-4	636.68	--	586.30	--	586.57	--	586.21	--	585.11
MW-2-1	602.80	13.45	589.35	12.83	589.97	12.61	590.19	11.15	591.65
MW-2-2	602.42	12.4	590.02	12.6	589.82	12.85	589.57	13.3	589.12
MW-3D	670.28	67.99	602.29	68.15	602.13	68	602.28	68.47	601.81
MW-4-1	644.80	57.86	586.94	57.2	587.60	57.59	587.21	38.4	606.40
MW-4-2	644.60	55.2	589.40	55.24	589.36	55.38	589.22	55.83	588.77
PZ-1	575.41	6.05	569.36	7.37	568.04	7.94	567.47	7.95	567.46
PZ-101	688.49	55.07	633.42	55.02	633.47	55.67	632.82	56.68	631.81
SW-1	690.47	53.2	637.27	53.23	637.24	53.75	636.72	54.56	635.91
SW-101	604.18	32.07	572.11	33.33	570.85	32.98	571.20	33.07	571.11
SW-102	620.07	40.1	579.97	39.96	580.11	40.46	579.61	40.95	579.12
SW-103	635.68	38.7	596.98	38.38	597.30	38.65	597.03	39.55	596.13
SW-104	649.85	23.77	626.08	23.81	626.04	23.46	626.39	26.24	623.61
SW-106	596.12	9.66	586.46	10.37	585.75	11.5	584.62	12.11	584.01
SW-108	605.28	8.5	596.78	8.69	596.59	8.99	596.29	8	597.28
SW-109	661.26	60.08	601.18	60.21	601.05	60.56	600.70	60.61	600.65
SW-201	620.68	24.42	596.26	24.51	596.17	24.87	595.81	25.52	595.16
SW-202	636.93	31.51	605.42	31.6	605.33	32.15	604.78	32.5	604.43
SW-3	671.31	71.04	600.27	71.1	600.21	70.95	600.36	71.51	599.80
SW-4	671.39	65.66	605.73	65.7	605.69	65.64	605.75	65.49	605.90

[1] Elevation in feet above mean sea level (msl).
[2] Depth in feet below top of well casing.
NM - Not measured.

A-1

Summary of Groundwater Elevations

Station	Measuring Point Elevation (1)	Depth To Water (2)	Water Table Elevation (1)
		09/17/07	09/17/07
A-1	651.73	57.2	594.53
A-2	643.31	54.94	588.37
A-3	604.67	18.2	586.47
A-4	618.09	17.31	600.78
A-5	603.21	12.35	590.86
A-6	632.09	43.75	588.34
A-7	605.10	12.76	592.34
B-1	660.55	66.62	593.93
B-2	661.56	64.65	596.91
B-3	661.84	62.53	599.31
B-4	665.81	64.41	601.40
BW-1	689.90	55.52	634.38
BW-105	671.55	63.39	608.16
BW-106	595.76	2.65	593.11
BW-108	605.64	8.9	596.74
BW-109	661.47	61.32	600.15
BW-110	626.36	48.68	577.68
BW-2	662.99	67.8	595.19
BW-201	618.29	26.24	592.05
BW-202	636.79	32.28	604.51
BW-3	574.82	8.29	566.53
BW-4	564.32	8.47	555.85
DP-2-1	677.84	71.35	606.49
DP-3-1	665.78	65.15	600.63
DP-3-2	672.83	70.7	602.13
MLW-1-1	653.32	NM	NM

A-1

Summary of Groundwater Elevations

Station	Measuring Point Elevation[1]	Depth To Water[2]	Water Table Elevation[1]
		09/17/07	09/17/07
MLW-1-2	653.32	NM	NM
MLW-1-3	653.32	NM	NM
MLW-1-4	653.32	NM	NM
MLW-3-1	636.68	NM	NM
MLW-3-2	636.68	NM	NM
MLW-3-3	636.68	NM	NM
MLW-3-4	636.68	NM	NM
MW-2-1	602.80	13.47	589.33
MW-2-2	602.42	13.81	588.61
MW-3D	670.28	69.05	601.23
MW-4-1	644.80	55.4	589.40
MW-4-2	644.60	56.02	588.58
PZ-1	575.41	9.17	566.24
PZ-101	688.49	57.2	631.29
SW-1	690.47	56.27	634.20
SW-101	604.18	34.44	569.74
SW-102	620.07	41.83	578.24
SW-103	635.68	39.42	596.26
SW-104	649.85	27.75	622.10
SW-106	596.12	13.5	582.62
SW-108	605.28	10.9	594.38
SW-109	661.26	61.22	600.04
SW-201	620.68	26.5	594.18
SW-202	636.93	34.31	602.62
SW-3	671.31	72.3	599.01
SW-4	671.39	66.51	604.88

(1) Elevation in feet above mean sea level (msl).
(2) Depth in feet below top of well casing.
NM - Not measured.

Appendix B
Groundwater Analytical Summary Table
(September 2007)

Table B-1
Summary of Groundwater Analytical Results
September 2007

PARAMETER[1]	MCL[2]	LOCATION/SAMPLE DATE				
		A-1 09/24/07	A-2 09/20/07	A-3 09/19/07	A-4 09/20/07	A-5 09/21/07
Volatile Organics						
Acetone	--	<0.005	<0.005 *	<0.005 *	<0.005 *	<0.005 *
Benzene	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	--	<0.001	**0.0015**	**0.0053**	<0.001	**0.0089**
1,1-Dichloroethane	--	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	0.005	**0.0033**	**0.00087 J**	**0.0014**	**0.0011**	**0.0013**
1,1-Dichloroethene	0.007	<0.001	<0.001	**0.0024**	<0.001	**0.004**
cis-1,2-Dichloroethene	0.07	**0.0047**	**0.0035**	**0.0099**	**0.0033**	**0.017**
trans-1,2-Dichloroethene	0.1	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene chloride	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	0.2	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.005	**0.0041**	**0.02**	**0.031**	**0.0081**	**0.083**
1,1,2-Trichloroethane	0.005	<0.001	<0.001	**0.0025**	**0.0007 J**	**0.0016**
Tetrachloroethene	0.005	**0.00089 J**	**0.0095**	**0.019**	**0.0042**	**0.038**
Vinyl chloride	0.002	**0.006**	**0.0032**	**0.00071 J**	**0.00067 J**	**0.0015**
Volatile Fatty Acids						
Acetic acid	--	<1	<1	<1	<1	<1
Propionic acid	--	<1	<1	<1	<1	<1
Field Indicators						
pH (S.U.)	6.5-8.5[3]	7.09	**6.46**	**6.11**	**6.21**	**6.1**
Dissolved Oxygen (mg/L)	--	0.64	0.81	1.25	0.22	1.97
ORP (mV)	--	-64.6	-163.8	-75.4	-163.3	-81.2
Conductance, specific (uS/c	--	359	196	139	166	139
Temperature (°C)	--	18.37	17.43	17	16.11	17.34
Wet Chemistry						
Sulfate	250[3]	4.8 j-	4.1 j-	3.7 NBj-	4.2 j-	4.6 j-
Inorganics						
Iron, dissolved ferrous	0.3[3]	**0.8**	**0.4**	0	**0.4**	0
Manganese, dissolved	0.05[3]	**4.3**	**5.8**	**0.14**	**3.2**	**0.29**

Table B-1
Summary of Groundwater Analytical Results
September 2007

PARAMETER[1]	MCL[2]	LOCATION/SAMPLE DATE				
		A-6 09/21/07	A-7 09/20/07	B-1 09/24/07	(DU-07301) B-1 09/24/07	B-2 09/24/07
Volatile Organics						
Acetone	--	<0.005 *	**0.0076 ***	<0.005	<0.005	<0.005
Benzene	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	--	<0.001	<0.001	**0.001**	**0.0011**	**0.0034**
1,1-Dichloroethane	--	<0.001	<0.001	<0.001	<0.001	**0.0024**
1,2-Dichloroethane	0.005	**0.0008 J**	**0.0012**	**0.00069 J**	**0.00065 J**	**0.0016**
1,1-Dichloroethene	0.007	**0.0011**	<0.001	**0.0017**	**0.0016**	**0.015**
cis-1,2-Dichloroethene	0.07	**0.02**	**0.0058**	**0.0048**	**0.0046**	**0.045**
trans-1,2-Dichloroethene	0.1	<0.001	<0.001	<0.001	<0.001	**0.0021**
Methylene chloride	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	0.2	<0.001	<0.001	<0.001	<0.001	**0.0018**
Trichloroethene	0.005	**0.0031**	**0.0036**	**0.011**	**0.011**	**0.14**
1,1,2-Trichloroethane	0.005	<0.001	<0.001	<0.001	<0.001	**0.0042**
Tetrachloroethene	0.005	<0.001	**0.00097 J**	**0.0038**	**0.0037**	**0.022**
Vinyl chloride	0.002	**0.0075**	**0.003**	**0.00043 J**	**0.00038 J**	**0.0017**
Volatile Fatty Acids						
Acetic acid	--	<1	<1	<1	<1	<1
Propionic acid	--	<1	<1	<1	<1	<1
Field Indicators						
pH (S.U.)	6.5-8.5[3]	**6.47**	**6.49**	**6.14**	NM	**6.36**
Dissolved Oxygen (mg/L)	--	0.2	0.08	2.22	NM	1.13
ORP (mV)	--	11	-191.1	33.1	NM	88.4
Conductance, specific (uS/c	--	191	201	169	NM	181
Temperature (°C)	--	17.22	16.77	18.37	NM	17.59
Wet Chemistry						
Sulfate	250[3]	4.5 Nj-	5.3 j-	2.8 Bj-	2.8 Bj-	4.0 Bj-
Inorganics						
Iron, dissolved ferrous	0.3[3]	0.2	**0.8**	0.1	NM	0
Manganese, dissolved	0.05[3]	**3.1**	**4.3**	**1.6**	**1.6**	**0.42**

Table B-1
Summary of Groundwater Analytical Results
September 2007

PARAMETER[1]	MCL[2]	LOCATION/SAMPLE DATE				
		B-3 09/25/07	B-4 09/25/07	BW-1 09/28/07	BW-105 09/26/07	BW-106 09/27/07
Volatile Organics						
Acetone	--	<0.01	<0.005	<0.005	<0.005	<0.005
Benzene	0.005	<0.002	<0.001	<0.001	<0.001	<0.001
2-Butanone	--	<0.01	<0.005	<0.005	<0.005	<0.005
Chloroform	--	**0.00085 J**	<0.001	<0.001	**0.00091 J**	<0.001
1,1-Dichloroethane	--	**0.0043**	**0.0097**	<0.001	<0.001	<0.001
1,2-Dichloroethane	0.005	**0.13**	**0.0029**	<0.001	<0.001	<0.001
1,1-Dichloroethene	0.007	**0.0045**	**0.0042**	<0.001	**0.00075 J**	<0.001
cis-1,2-Dichloroethene	0.07	**0.2**	**0.0045**	<0.001	<0.001	<0.001
trans-1,2-Dichloroethene	0.1	**0.0099**	**0.00092 J**	<0.001	<0.001	<0.001
Methylene chloride	0.005	<0.002	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	0.2	**0.0025**	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.005	**0.035**	**0.0036**	<0.001	<0.001	<0.001
1,1,2-Trichloroethane	0.005	**0.009**	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene	0.005	**0.0024**	<0.001	<0.001	<0.001	<0.001
Vinyl chloride	0.002	**0.1**	**0.013**	<0.001	<0.001	<0.001
Volatile Fatty Acids						
Acetic acid	--	<1	<1	<1	<1	<1
Propionic acid	--	<1	<1	<1	<1	<1
Field Indicators						
pH (S.U.)	6.5-8.5[3]	6.95	6.55	**6.21**	**6.22**	**6.32**
Dissolved Oxygen (mg/L)	--	0.23	2.64	8.50	7.71	5.77
ORP (mV)	--	-207.9	-66	50.7	118.2	-23.5
Conductance, specific (uS/c	--	264	188	94	116	120
Temperature (°C)	--	18.5	17.93	17.71	19.15	16.04
Wet Chemistry						
Sulfate	250[3]	5.1 j-	2.2 Bj-	1.7 Bj-	<4.0 uj	2.6 Bj-
Inorganics						
Iron, dissolved ferrous	0.3[3]	0.1	**2**	0	0	0
Manganese, dissolved	0.05[3]	**2.8**	**2.8**	<0.00032 AB u	0.0042 A	<0.00025 AB u

Table B-1
Summary of Groundwater Analytical Results
September 2007

PARAMETER[1]	MCL[2]	LOCATION/SAMPLE DATE				
		BW-108 09/27/07	(DU-07303) BW-108 09/27/07	BW-109 09/26/07	BW-110 09/26/07	BW-2 09/28/07
Volatile Organics						
Acetone	--	<0.005	<0.005	<0.005	<0.005	<0.005
Benzene	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.02
Chloroform	--	<0.001	<0.001	<0.001	**0.00039 J**	**0.001**
1,1-Dichloroethane	--	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	0.007	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	0.07	**0.0039**	**0.0037**	<0.001	<0.001	**0.002**
trans-1,2-Dichloroethene	0.1	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene chloride	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	0.2	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.005	**0.0073**	**0.0069**	<0.001	**0.00082 J**	**0.017**
1,1,2-Trichloroethane	0.005	<0.001	<0.001	<0.001	<0.001	**0.00048 J**
Tetrachloroethene	0.005	**0.0031**	**0.0029**	<0.001	<0.001	**0.0065**
Vinyl chloride	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
Volatile Fatty Acids						
Acetic acid	--	<1	<1	<1	<1	<1
Propionic acid	--	<1	<1	<1	<1	<1
Field Indicators						
pH (S.U.)	6.5-8.5[3]	**6.48**	NM	**6.15**	7.01	**6.05**
Dissolved Oxygen (mg/L)	--	0.98	NM	7.30	7.39	7.69
ORP (mV)	--	-146.2	NM	-18.1	98.1	42.3
Conductance, specific (uS/c	--	177	NM	95	251	99
Temperature (°C)	--	16.4	NM	17.12	18.62	19.34
Wet Chemistry						
Sulfate	250[3]	4.0 Bj-	4.1 j-	1.7 Bj-	10 j-	2.0 Bj-
Inorganics						
Iron, dissolved ferrous	0.3[3]	0	NM	0	0	0
Manganese, dissolved	0.05[3]	**0.27**	**0.28**	<0.001 Au	0.021	0.0043 A

Table B-1
Summary of Groundwater Analytical Results
September 2007

PARAMETER[1]	MCL[2]	LOCATION/SAMPLE DATE				
		BW-201 09/21/07	BW-202 09/24/07	BW-3 09/26/07	BW-4 09/26/07	DP-2-1 09/26/07
Volatile Organics						
Acetone	--	**0.0035 J**	**0.0066**	<0.005	<0.005	<0.005
Benzene	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	--	<0.001	<0.001	<0.001	<0.001	**0.0024**
1,1-Dichloroethane	--	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	0.005	<0.001	<0.001	<0.001	<0.001	**0.0097**
1,1-Dichloroethene	0.007	<0.001	<0.001	<0.001	<0.001	**0.00059 J**
cis-1,2-Dichloroethene	0.07	<0.001	<0.001	<0.001	<0.001	**0.079**
trans-1,2-Dichloroethene	0.1	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene chloride	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	0.2	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.005	**0.00063 J**	**0.0038**	<0.001	<0.001	**0.047**
1,1,2-Trichloroethane	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene	0.005	<0.001	**0.0068**	<0.001	<0.001	**0.061**
Vinyl chloride	0.002	<0.001	<0.001	<0.001	<0.001	**0.0084**
Volatile Fatty Acids						
Acetic acid	--	<1	<1	<1	<1	<1
Propionic acid	--	<1	<1	<1	<1	<1
Field Indicators						
pH (S.U.)	6.5-8.5[3]	**5.86**	**9.04**	**6.27**	6.88	**6.36**
Dissolved Oxygen (mg/L)	--	0.13	5.86	2.70	2.23	0.31
ORP (mV)	--	-91.8	-114.6	-9.2	-3.5	-89.3
Conductance, specific (uS/c	--	175	194	173	290	206
Temperature (°C)	--	16.77	18.69	16.43	15.61	18.03
Wet Chemistry						
Sulfate	250[3]	6.8 j-	5.8 j-	5.2 j-	8.0 j-	5.2 j-
Inorganics						
Iron, dissolved ferrous	0.3[3]	0	**0.5**	0	0	**2**
Manganese, dissolved	0.05[3]	0.01 A	0.0048 A	0.0039 A	<0.00089 AB u	**2.5**

Table B-1
Summary of Groundwater Analytical Results
September 2007

PARAMETER[1]	MCL[2]	LOCATION/SAMPLE DATE				
		DP-3-1 09/25/07	(DU-07302) DP-3-1 09/26/07	DP-3-2 09/25/07	MLW-1-1 09/27/07	MLW-1-2 09/27/07
Volatile Organics						
Acetone	--	<0.012	<0.005	<0.025	**0.0061**	**0.0083**
Benzene	0.005	<0.0025	**0.0005 J**	<0.005	<0.001	<0.001
2-Butanone	--	<0.012	<0.005	<0.025	**0.011**	**0.0098**
Chloroform	--	<0.0025	**0.00044 J**	<0.005	**0.002**	**0.0015**
1,1-Dichloroethane	--	**0.005**	**0.005**	**0.004 J**	<0.001	<0.001
1,2-Dichloroethane	0.005	**0.11**	**0.11**	**0.45**	<0.001	<0.001
1,1-Dichloroethene	0.007	<0.0025	**0.0011**	<0.005	<0.001	<0.001
cis-1,2-Dichloroethene	0.07	**0.12**	**0.13**	**0.28**	<0.001	<0.001
trans-1,2-Dichloroethene	0.1	**0.0075**	**0.0067**	**0.015**	<0.001	<0.001
Methylene chloride	0.005	<0.0025	<0.001	<0.005	**0.0011**	**0.00082 J**
1,1,1-Trichloroethane	0.2	<0.0025	**0.0013**	<0.005	<0.001	<0.001
Trichloroethene	0.005	**0.0025**	**0.0027**	**0.0037 J**	<0.001	<0.001
1,1,2-Trichloroethane	0.005	**0.017**	**0.017**	**0.013**	<0.001	<0.001
Tetrachloroethene	0.005	<0.0025	**0.00068 J**	<0.005	<0.001	<0.001
Vinyl chloride	0.002	**0.1**	**0.1**	**0.18**	**0.00023 J**	<0.001
Volatile Fatty Acids						
Acetic acid	--	<1	<1	<1	<1	**12**
Propionic acid	--	<1	<1	<1	<1	**3.1**
Field Indicators						
pH (S.U.)	6.5-8.5[3]	6.86	NM	6.71	6.51	8.37
Dissolved Oxygen (mg/L)	--	0.38	NM	0.19	NM	NM
ORP (mV)	--	-138.5	NM	-203.4	NM	NM
Conductance, specific (uS/c	--	226	NM	226	306	321
Temperature (°C)	--	18.72	NM	18.94	19.2	18.7
Wet Chemistry						
Sulfate	250[3]	5.0 j-	5.0 j-	5.1 j-	<4.0 uj	<4.0 uj
Inorganics						
Iron, dissolved ferrous	0.3[3]	**0.8**	NM	**1**	0	0.1
Manganese, dissolved	0.05[3]	**3.2**	**3.1**	**3.2**	0.05	**0.056 E**

Table B-1
Summary of Groundwater Analytical Results
September 2007

PARAMETER[1]	MCL[2]	LOCATION/SAMPLE DATE				
		MLW-1-3 09/27/07	MLW-1-4 09/27/07	MLW-3-2 09/27/07	MLW-3-3 09/27/07	MLW-3-4 09/27/07
Volatile Organics						
Acetone	--	**0.05**	<0.005	<0.005	<0.005	<0.005
Benzene	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	--	**0.0021**	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	--	**0.00076 J**	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	0.007	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	0.07	<0.001	<0.001	**0.018**	**0.028**	**0.01**
trans-1,2-Dichloroethene	0.1	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene chloride	0.005	**0.00074 J**	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	0.2	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.005	<0.001	**0.00071 J**	<0.001	<0.001	<0.001
1,1,2-Trichloroethane	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl chloride	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
Volatile Fatty Acids						
Acetic acid	--	<1	<1	<1	<1	<1
Propionic acid	--	<1	<1	<1	<1	<1
Field Indicators						
pH (S.U.)	6.5-8.5[3]	**10.1**	6.98	6.82	**6.4**	**6.49**
Dissolved Oxygen (mg/L)	--	NM	NM	NM	NM	NM
ORP (mV)	--	NM	NM	NM	NM	NM
Conductance, specific (uS/c	--	1142	560	176.8	137.9	89.8
Temperature (°C)	--	18.3	18	20.6	22	20.5
Wet Chemistry						
Sulfate	250[3]	160 j-	12 j-	NM	1.8 Bj-	1.8 Bj-
Inorganics						
Iron, dissolved ferrous	0.3[3]	NM	NM	NM	0	0
Manganese, dissolved	0.05[3]	NM	NM	NM	0.002 A	0.0066

Table B-1
Summary of Groundwater Analytical Results
September 2007

PARAMETER[1]	MCL[2]	LOCATION/SAMPLE DATE				
		MW-2-1 09/21/07	MW-2-2 09/21/07	MW-3D 09/24/07	MW-4-1 09/24/07	MW-4-2 09/24/07
Volatile Organics						
Acetone	--	<0.005 *	<0.005 *	<0.005	<0.005	<0.005
Benzene	0.005	<0.001	<0.001	**0.00041 J**	<0.001	<0.001
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	--	<0.001	**0.0043**	**0.00079 J**	<0.001	<0.001
1,1-Dichloroethane	--	<0.001	<0.001	**0.0022**	<0.001	<0.001
1,2-Dichloroethane	0.005	**0.00081 J**	**0.00082 J**	**0.0048**	**0.00054 J**	**0.002**
1,1-Dichloroethene	0.007	<0.001	**0.0023**	**0.0032**	<0.001	<0.001
cis-1,2-Dichloroethene	0.07	<0.001	**0.0098**	**0.1**	<0.001	**0.001**
trans-1,2-Dichloroethene	0.1	<0.001	<0.001	**0.0059**	<0.001	<0.001
Methylene chloride	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	0.2	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.005	<0.001	**0.042**	**0.094**	<0.001	**0.00079 J**
1,1,2-Trichloroethane	0.005	<0.001	**0.00074 J**	**0.0079**	<0.001	<0.001
Tetrachloroethene	0.005	<0.001	**0.017**	**0.011**	<0.001	<0.001
Vinyl chloride	0.002	<0.001	**0.0014**	**0.09**	**0.00099 J**	**0.0063**
Volatile Fatty Acids						
Acetic acid	--	<1	<1	<1	<1	<1
Propionic acid	--	<1	<1	<1	<1	<1
Field Indicators						
pH (S.U.)	6.5-8.5[3]	7.11	**6.45**	6.97	7.01	6.73
Dissolved Oxygen (mg/L)	--	0.11	0.21	0.15	0.10	0.25
ORP (mV)	--	-210.1	-158.2	-290.7	-291.5	-190.9
Conductance, specific (uS/c	--	1526	222	291	1491	338
Temperature (°C)	--	18.94	18.61	18.37	20.39	18.65
Wet Chemistry						
Sulfate	250[3]	4.2 j-	7.5 j-	4.3 j-	17 j-	3.9 Bj-
Inorganics						
Iron, dissolved ferrous	0.3[3]	**2**	**4**	0.3	0.3	**0.4**
Manganese, dissolved	0.05[3]	**0.26**	**2**	**3.4**	**0.52**	**4.7**

Table B-1
Summary of Groundwater Analytical Results
September 2007

PARAMETER[1]	MCL[2]	LOCATION/SAMPLE DATE				
		SW-1 09/28/07	SW-101 09/19/07	SW-102 09/19/07	SW-103 09/20/07	SW-104 09/20/07
Volatile Organics						
Acetone	--	<0.005	<0.005 *	<0.005 *	<0.005 *	<0.005 *
Benzene	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	--	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	--	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	0.007	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	0.07	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,2-Dichloroethene	0.1	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene chloride	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	0.2	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl chloride	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
Volatile Fatty Acids						
Acetic acid	--	<1	<1	<1	<1	<1
Propionic acid	--	<1	<1	<1	<1	<1
Field Indicators						
pH (S.U.)	6.5-8.5[3]	6.13	6.35	6.24	5.83	5.99
Dissolved Oxygen (mg/L)	--	NM	NM	NM	NM	NM
ORP (mV)	--	NM	NM	NM	NM	NM
Conductance, specific (uS/c	--	80.3	213	281	80	79.8
Temperature (°C)	--	17	16.2	16.2	17.3	16.3
Wet Chemistry						
Sulfate	250[3]	<4.0 uj	5.6 j-	4.0 j-	<4.0	1.8 Bj-
Inorganics						
Iron, dissolved ferrous	0.3[3]	0	0	0	0	0
Manganese, dissolved	0.05[3]	0.0019 A	0.0074 A	<0.00081 AB u	<0.0025 Au	<0.0023 Au

Table B-1
Summary of Groundwater Analytical Results
September 2007

PARAMETER[1]	MCL[2]	LOCATION/SAMPLE DATE				
		SW-106 09/20/07	SW-108 09/19/07	SW-109 09/20/07	SW-201 09/19/07	SW-202 09/19/07
Volatile Organics						
Acetone	--	**0.0025 *J**	**0.0045 *J**	<0.005 *	<0.005 *	<0.005 *
Benzene	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	--	<0.001	**0.0013**	<0.001	**0.0018**	<0.001
1,1-Dichloroethane	--	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	0.007	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	0.07	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,2-Dichloroethene	0.1	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene chloride	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	0.2	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.005	<0.001	**0.013**	<0.001	**0.0058**	<0.001
1,1,2-Trichloroethane	0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene	0.005	<0.001	**0.012**	<0.001	**0.0026**	**0.00096 J**
Vinyl chloride	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
Volatile Fatty Acids						
Acetic acid	--	<1	<1	<1	<1	<1
Propionic acid	--	<1	<1	<1	<1	<1
Field Indicators						
pH (S.U.)	6.5-8.5[3]	**6.07**	**6.24**	**6.23**	**6.04**	**5.86**
Dissolved Oxygen (mg/L)	--	NM	NM	NM	NM	NM
ORP (mV)	--	NM	NM	NM	NM	NM
Conductance, specific (uS/c	--	166.1	145.4	91.7	117.1	71.3
Temperature (°C)	--	15.7	16.7	17.4	17.3	15
Wet Chemistry						
Sulfate	250[3]	7.0 j-	5.3 j-	1.7 Bj-	1.8 Bj-	2.4 Bj-
Inorganics						
Iron, dissolved ferrous	0.3[3]	0	0	0	0	0
Manganese, dissolved	0.05[3]	**0.88**	**0.086**	0.011 A	0.013	**0.42**

Table B-1
Summary of Groundwater Analytical Results
September 2007

PARAMETER[1]	MCL[2]	LOCATION/SAMPLE DATE	
		SW-3 09/20/07	SW-4 09/20/07
Volatile Organics			
Acetone	--	<0.005 *	<0.005 *
Benzene	0.005	<0.001	<0.001
2-Butanone	--	<0.005	<0.005
Chloroform	--	<0.001	**0.01**
1,1-Dichloroethane	--	<0.001	**0.00098 J**
1,2-Dichloroethane	0.005	<0.001	<0.001
1,1-Dichloroethene	0.007	**0.00079 J**	**0.015**
cis-1,2-Dichloroethene	0.07	**0.063**	<0.001
trans-1,2-Dichloroethene	0.1	<0.001	<0.001
Methylene chloride	0.005	<0.001	<0.001
1,1,1-Trichloroethane	0.2	<0.001	**0.0082**
Trichloroethene	0.005	**0.13**	**0.036**
1,1,2-Trichloroethane	0.005	<0.001	**0.0012**
Tetrachloroethene	0.005	**0.092**	**0.0033**
Vinyl chloride	0.002	**0.029**	<0.001
Volatile Fatty Acids			
Acetic acid	--	<1	<1
Propionic acid	--	<1	<1
Field Indicators			
pH (S.U.)	6.5-8.5[3]	6.67	**6.02**
Dissolved Oxygen (mg/L)	--	NM	NM
ORP (mV)	--	NM	NM
Conductance, specific (uS/c	--	178.9	103
Temperature (°C)	--	16.4	17.3
Wet Chemistry			
Sulfate	250[3]	4.4 j-	1.9 Bj-
Inorganics			
Iron, dissolved ferrous	0.3[3]	**1.5**	0.1
Manganese, dissolved	0.05[3]	**2.1**	**0.19**

Table B-1
Summary of Groundwater Analytical Results
September 2007

Qualifiers

(1) Analytical results are reported in milligrams per liter (mg/L) unless otherwise noted. Only parameters detected in at least one sample at a concentration above the laboratory reporting limit are included in this summary table.

(2) Maximum Contaminant Level (National Primary Drinking Water Standards); *Drinking Water Standards and Health Advisories* (USEPA, 2004)

(3) Secondary Maximum Contaminant Level (SMCL) (National Primary Drinking Water Standards); *Drinking Water Standards and Health Advisories* (USEPA, 2004)

< - Concentration less than the Quantitation Limit or not validated if accompanied by "u" qualifier.

A - Analyte detected in method blank.

B - The analyte has been detected between the method detection limit and the reporting limit.

E - Estimated concentration due to matrix interferences.

J - Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

N - Spiked sample recovery not within control limits.

* - Precision not within control limits.

j- - Concentration considered an estimate biased low based on data validation.

u - Laboratory reported detection not validated during data validation process.

uj - Not detected; quantitation limit may be inaccurate or imprecise.

NM - Not measured.

Bolding indicates sample detection.

Shading indicates sample exceeds MCL or SMCL.

Appendix C
Time vs. Concentration Graphs
Field Indicator Parameters

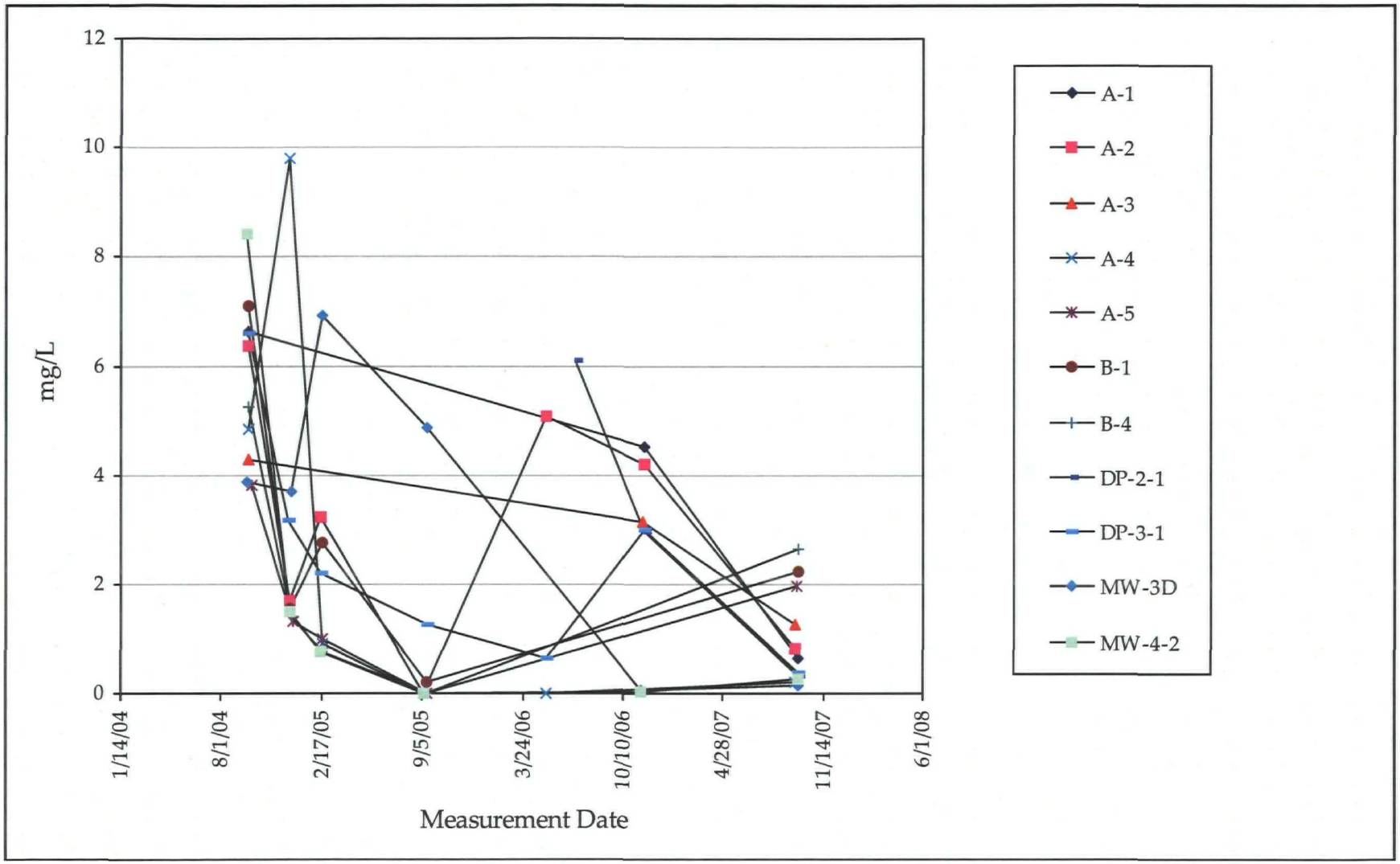


FIGURE C-1

DISSOLVED OXYGEN IN INJECTION WELLS

RMT

MEDLEY FARM NPL SITE

PROJECT NO.: 71243.46
DATE: JANUARY 2008

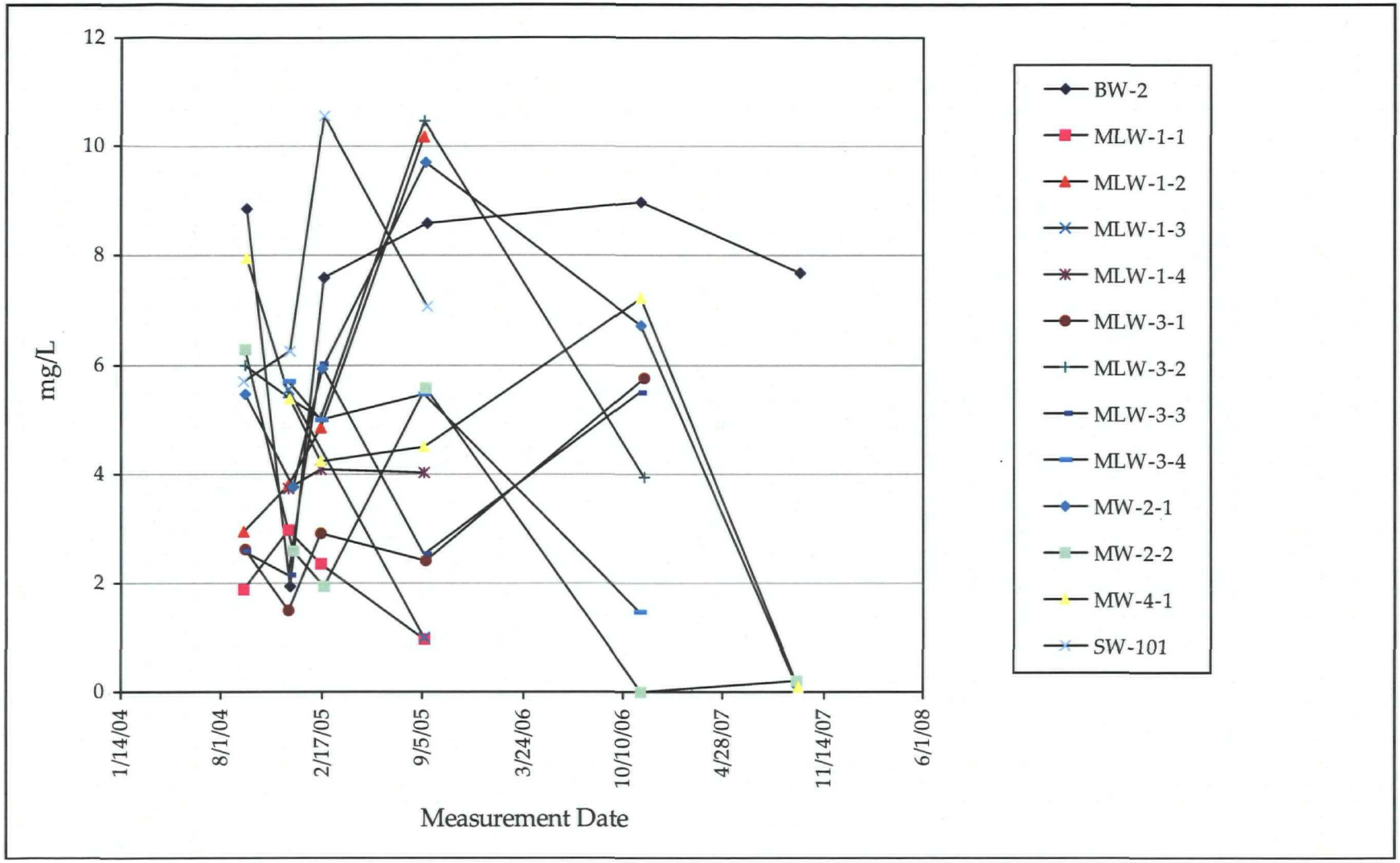


FIGURE C-2

DISSOLVED OXYGEN IN MONITORING WELLS

RMT

MEDLEY FARM NPL SITE

PROJECT NO.: 71243.46
DATE: JANUARY 2008

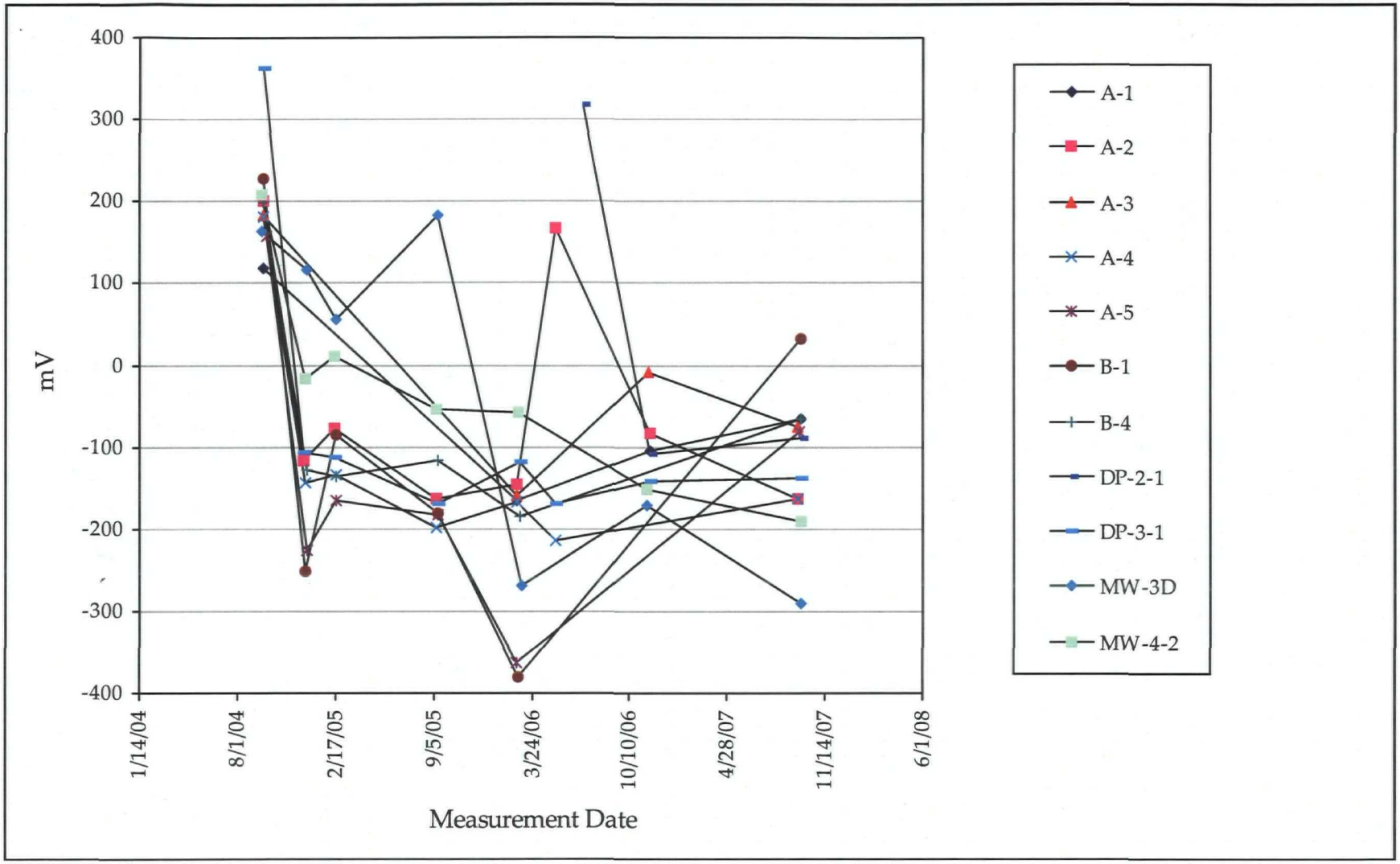


FIGURE C-3

ORP IN INJECTION WELLS

RMT

MEDLEY FARM NPL SITE

PROJECT NO.: 71243.46
DATE: JANUARY 2008

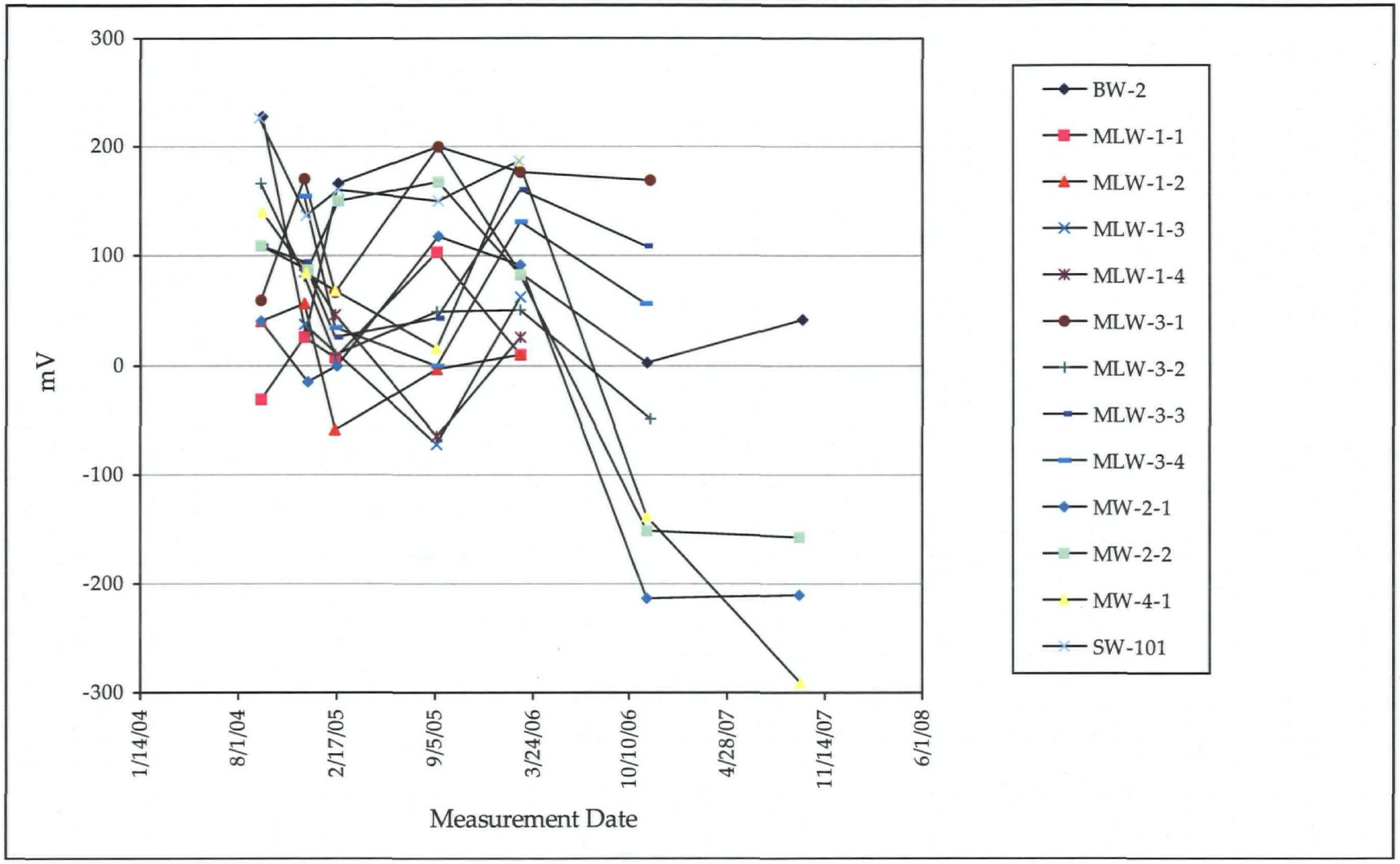


FIGURE C-4

ORP IN MONITORING WELLS

RMT

MEDLEY FARM NPL SITE

PROJECT NO.: 71243.46
DATE: JANUARY 2008

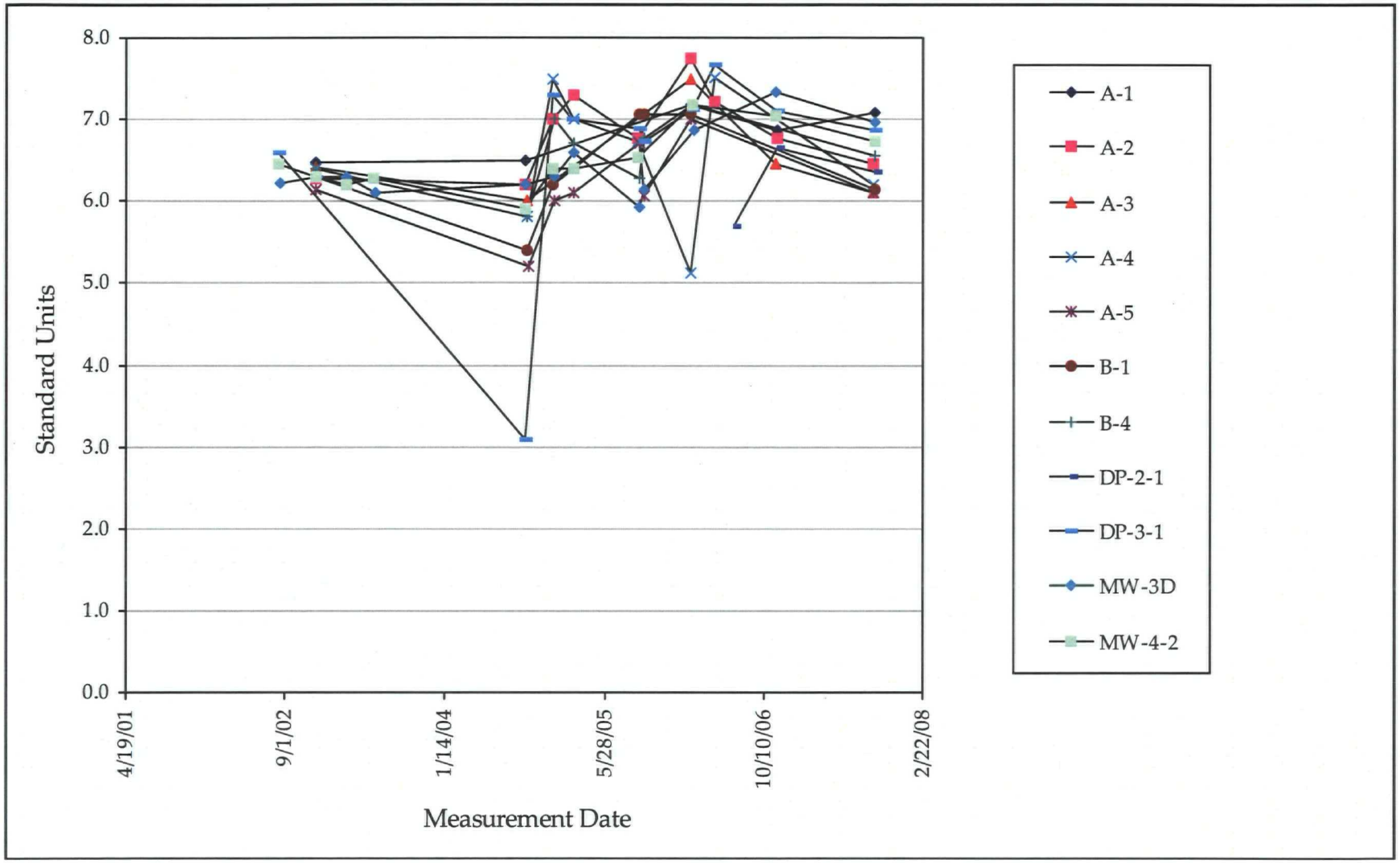


FIGURE C-5

PH IN INJECTION WELLS

RMT

MEDLEY FARM NPL SITE

PROJECT NO.: 71243.46
DATE: JANUARY 2008

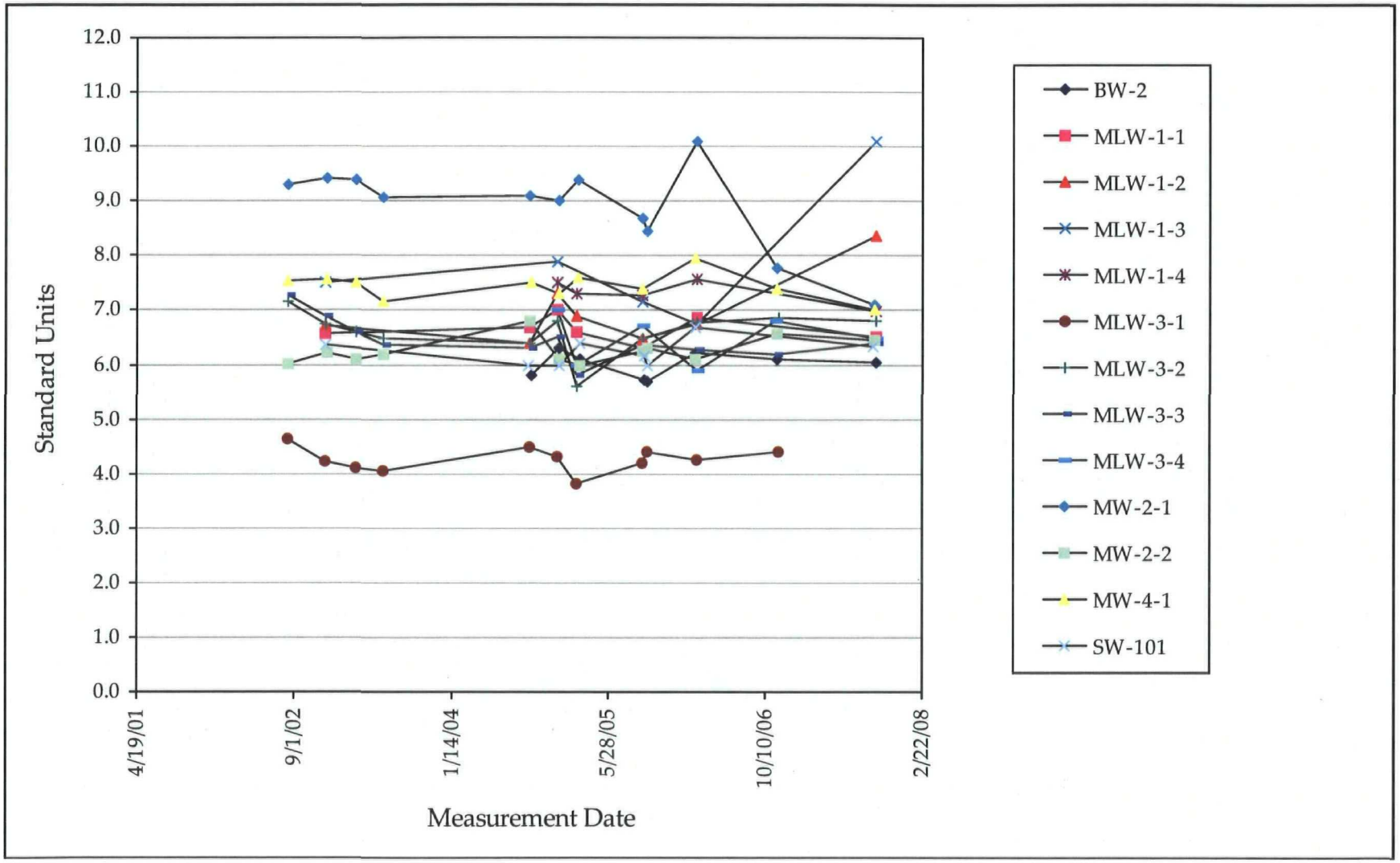


FIGURE C-6

PH IN MONITORING WELLS

RMT

MEDLEY FARM NPL SITE

PROJECT NO.: 71243.46
DATE: JANUARY 2008

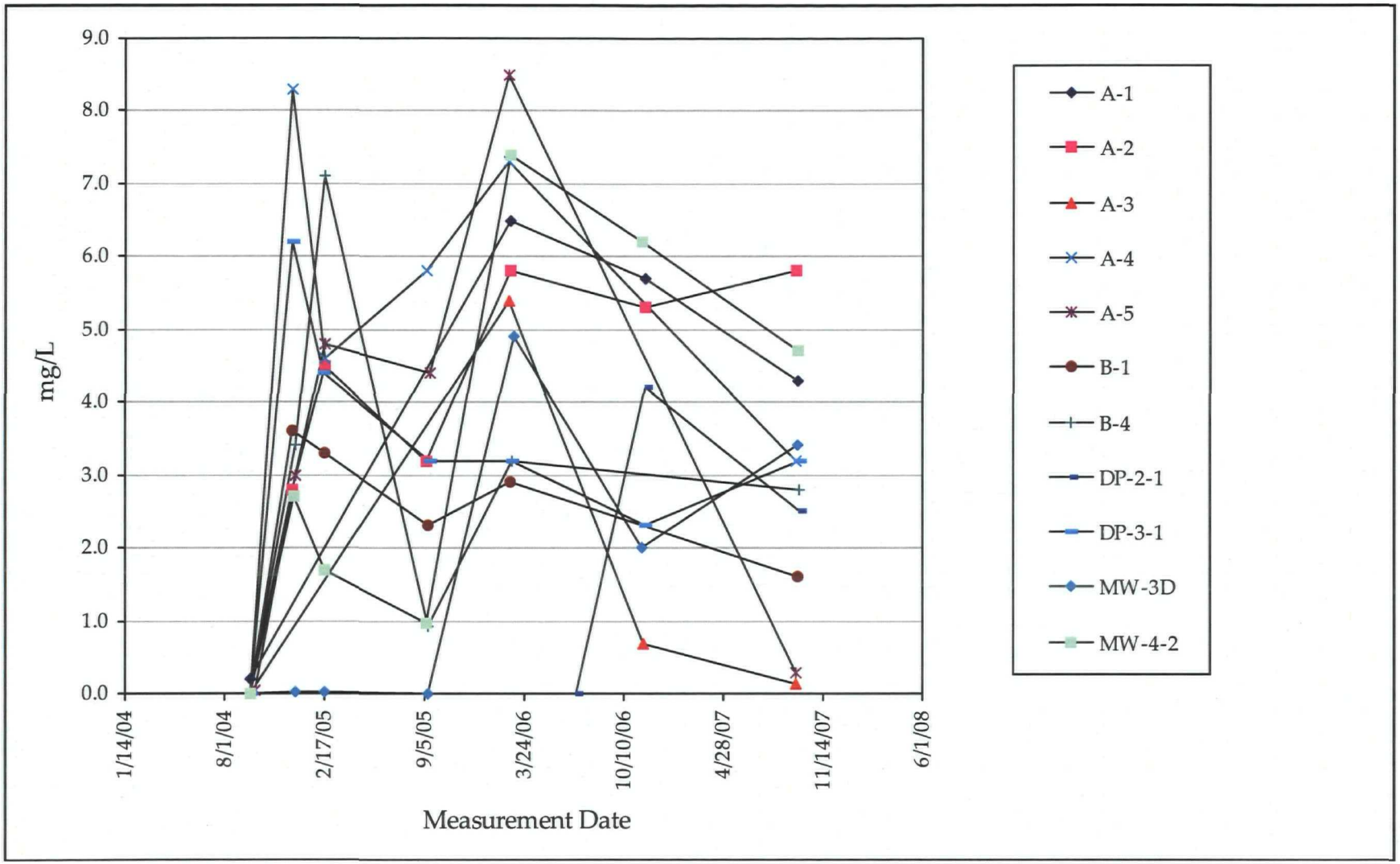


FIGURE C-7

MANGANESE, DISSOLVED IN INJECTION WELLS

RMT

MEDLEY FARM NPL SITE

PROJECT NO.: 71243.46
DATE: JANUARY 2008

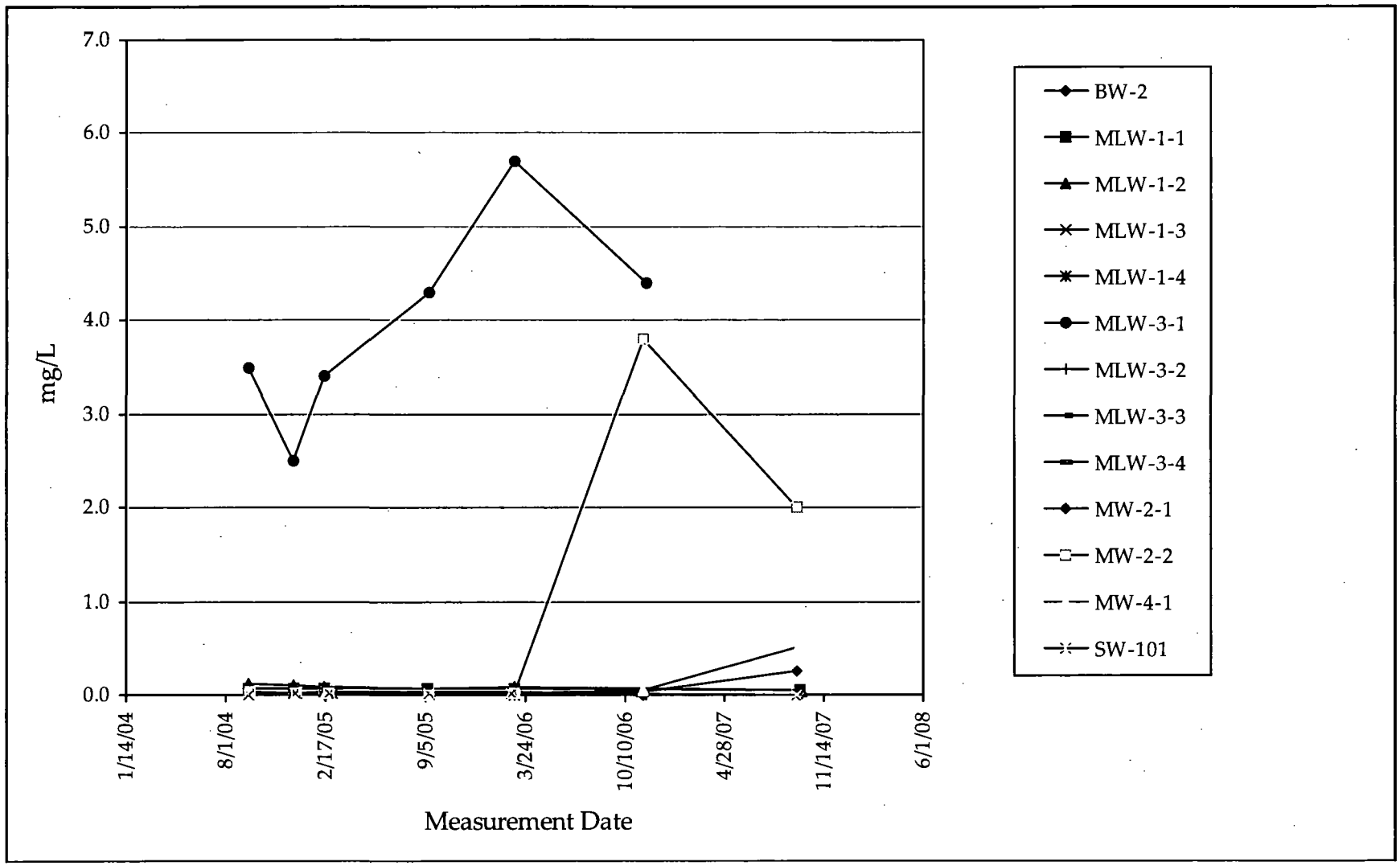


FIGURE C-8

MANGANESE, DISSOLVED IN MONITORING WELLS

RMT

MEDLEY FARM NPL SITE

PROJECT NO.: 71243.46
DATE: JANUARY 2008

Appendix D
Laboratory Analytical Reports

Microseeps Laboratory Analytical Reports

File

microseeps
From insight comes solutions

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Page: Page 1 of 22
Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Laboratory Results

Total pages in data package: 25

Lab Sample #	Client Sample ID		
P0709319-01	SW-4	P0709319-20	SW-3
P0709319-02	SW-109		
P0709319-03	SW-103		
P0709319-04	SW-106		
P0709319-05	SW-104		
P0709319-06	A-5		
P0709319-07	MW2-1		
P0709319-08	MW2-2		
P0709319-09	A-6		
P0709319-10	BW-201		
P0709319-11	A-3		
P0709319-12	SW-101		
P0709319-13	SW-102		
P0709319-14	SW-201		
P0709319-15	SW-108		
P0709319-16	SW-202		
P0709319-17	A-7		
P0709319-18	A-4		
P0709319-19	A-2		

Microseeps test results meet all the requirements of the NELAC standards.

Approved By: Rachel Tippett

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.

Case Narrative

QC-LCH, 10/9/07: COC, TEMP, HT, DL, METHOD, QC ✓

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
SW-4	Water	P0709319-01	20 Sep. 07 10.20	22 Sep. 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1 0	1.0	mg/L	AM21G	10/1/07	td
Butyric Acid	U	< 1.0	1 0	mg/L	AM21G	10/1/07	td
Lactic Acid	U	< 25 0	25 0	mg/L	AM21G	10/1/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/1/07	td
Pyruvic Acid	U	< 10 0	10.0	mg/L	AM21G	10/1/07	td

Data Qualifiers: J - estimated value, U - Non detect R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
SW-109	Water	P0709319-02	20 Sep 07 12:25	22 Sep 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1 0	1.0	mg/L	AM21G	10/1/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/1/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/1/07	td
Propionic Acid	U	< 1 0	1 0	mg/L	AM21G	10/1/07	td
Pyruvic Acid	U	< 10 0	10 0	mg/L	AM21G	10/1/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
SW-103	Water	P0709319-03	20 Sep 07 14:15	22 Sep 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/1/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/1/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/1/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/1/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/1/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
SW-106	Water	P0709319-04	20 Sep. 07 15:10	22 Sep. 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/1/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/1/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/1/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/1/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/1/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #. P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
SW-104	Water	P0709319-05	20 Sep 07 16:00	22 Sep. 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1 0	1 0	mg/L	AM21G	10/1/07	td
Butyric Acid	U	< 1 0	1 0	mg/L	AM21G	10/1/07	td
Lactic Acid	U	< 25 0	25 0	mg/L	AM21G	10/1/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/1/07	td
Pyruvic Acid	U	< 10.0	10 0	mg/L	AM21G	10/1/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD. SAMP/DUP. B - detected in blank. S - field sample as received did not meet NELAC sample acceptance criteria. L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #. 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
A-5	Water	P0709319-06	21 Sep 07 11:05	22 Sep 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1 0	1.0	mg/L	AM21G	10/1/07	td
Butyric Acid	U	< 1 0	1.0	mg/L	AM21G	10/1/07	td
Lactic Acid	U	< 25 0	25.0	mg/L	AM21G	10/1/07	td
Propionic Acid	U	< 1.0	1 0	mg/L	AM21G	10/1/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/1/07	td

Data Qualifiers: J - estimated value, U - Non detect. R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used. N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
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30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW2-1	Water	P0709319-07	21 Sep. 07 10:50	22 Sep. 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/1/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/1/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/1/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/1/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/1/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address. Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date. 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW2-2	Water	P0709319-08	21 Sep 07 12:20	22 Sep 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1 0	mg/L	AM21G	10/1/07	td
Butyric Acid	U	< 1 0	1 0	mg/L	AM21G	10/1/07	td
Lactic Acid	U	< 25.0	25 0	mg/L	AM21G	10/1/07	td
Propionic Acid	U	< 1.0	1 0	mg/L	AM21G	10/1/07	td
Pyruvic Acid	U	< 10 0	10.0	mg/L	AM21G	10/1/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #. 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
A-6	Water	P0709319-09	21 Sep. 07 13:45	22 Sep. 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1 0	mg/L	AM21G	10/1/07	td
Butyric Acid	U	< 1 0	1 0	mg/L	AM21G	10/1/07	td
Lactic Acid	U	< 25.0	25 0	mg/L	AM21G	10/1/07	td
Propionic Acid	U	< 1 0	1.0	mg/L	AM21G	10/1/07	td
Pyruvic Acid	U	< 10 0	10 0	mg/L	AM21G	10/1/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP. B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
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30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
BW-201	Water	P0709319-10	21 Sep. 07 14.20	22 Sep 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1 0	mg/L	AM21G	10/1/07	td
Butyric Acid	U	< 1 0	1 0	mg/L	AM21G	10/1/07	td
Lactic Acid	U	< 25 0	25.0	mg/L	AM21G	10/1/07	td
Propionic Acid	U	< 1 0	1.0	mg/L	AM21G	10/1/07	td
Pyruvic Acid	U	< 10.0	10 0	mg/L	AM21G	10/1/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
A-3	Water	P0709319-11	19 Sep. 07 12.30	22 Sep. 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/2/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/2/07	td
Lactic Acid	U	< 25.0	25 0	mg/L	AM21G	10/2/07	td
Propionic Acid	U	< 1 0	1.0	mg/L	AM21G	10/2/07	td
Pyruvic Acid	U	< 10 0	10 0	mg/L	AM21G	10/2/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact. Steve Webb
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Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
SW-101	Water	P0709319-12	19 Sep 07 10:00	22 Sep 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1 0	mg/L	AM21G	10/2/07	td
Butyric Acid	U	< 1 0	1 0	mg/L	AM21G	10/2/07	td
Lactic Acid	U	< 25.0	25 0	mg/L	AM21G	10/2/07	td
Propionic Acid	U	< 1 0	1.0	mg/L	AM21G	10/2/07	td
Pyruvic Acid	U	< 10 0	10.0	mg/L	AM21G	10/2/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank. S - field sample as received did not meet NELAC sample acceptance criteria. L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
SW-102	Water	P0709319-13	19 Sep 07 11:00	22 Sep 07 11.15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1 0	1 0	mg/L	AM21G	10/2/07	td
Butyric Acid	U	< 1 0	1 0	mg/L	AM21G	10/2/07	td
Lactic Acid	U	< 25 0	25 0	mg/L	AM21G	10/2/07	td
Propionic Acid	U	< 1 0	1.0	mg/L	AM21G	10/2/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/2/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
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Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #. 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
SW-201	Water	P0709319-14	19 Sep 07 12.05	22 Sep 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/2/07	td
Butyric Acid	U	< 1 0	1 0	mg/L	AM21G	10/2/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/2/07	td
Propionic Acid	U	< 1 0	1 0	mg/L	AM21G	10/2/07	td
Pyruvic Acid	U	< 10.0	10 0	mg/L	AM21G	10/2/07	td

Data Qualifiers: J - estimated value. U - Non detect, R - Poor surrogate recovery. M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used. N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
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30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
SW-108	Water	P0709319-15	19 Sep 07 14:50	22 Sep 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/2/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/2/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/2/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/2/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/2/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD. SAMP/DUP. B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria. L - Subcontracted Lab used. N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #. 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
SW-202	Water	P0709319-16	19 Sep. 07 15.45	22 Sep 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1 0	1.0	mg/L	AM21G	10/2/07	td
Butyric Acid	U	< 1 0	1.0	mg/L	AM21G	10/2/07	td
Lactic Acid	U	< 25 0	25.0	mg/L	AM21G	10/2/07	td
Propionic Acid	U	< 1.0	1 0	mg/L	AM21G	10/2/07	td
Pyruvic Acid	U	< 10 0	10 0	mg/L	AM21G	10/2/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria. L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
A-7	Water	P0709319-17	20 Sep. 07 12:15	22 Sep. 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/2/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/2/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/2/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/2/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/2/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery. M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact. Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name. Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
A-4	Water	P0709319-18	20 Sep 07 14:55	22 Sep 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/2/07	td
Butyric Acid	U	< 1 0	1.0	mg/L	AM21G	10/2/07	td
Lactic Acid	U	< 25 0	25.0	mg/L	AM21G	10/2/07	td
Propionic Acid	U	< 1 0	1 0	mg/L	AM21G	10/2/07	td
Pyruvic Acid	U	< 10 0	10 0	mg/L	AM21G	10/2/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #. P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
A-2	Water	P0709319-19	20 Sep 07 17:10	22 Sep 07 11:15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/2/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/2/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/2/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/2/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/2/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name. RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #. P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
SW-3	Water	P0709319-20	20 Sep 07 11:20	22 Sep 07 11.15

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1 0	1 0	mg/L	AM21G	10/2/07	td
Butyric Acid	U	< 1.0	1 0	mg/L	AM21G	10/2/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/2/07	td
Propionic Acid	U	< 1 0	1.0	mg/L	AM21G	10/2/07	td
Pyruvic Acid	U	< 10 0	10.0	mg/L	AM21G	10/2/07	td

ata Qualifiers: J - estimated value. U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP. B - detected in blank, S - field mple as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
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30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0709319
Report Date: 10/03/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Prep Method: Analysis of Volatile Fatty Acids in Water
Analysis Method: Analysis of Volatile Fatty Acids in Water

M071001020-MB

	Result		TrueSpikeConc.	RDL	%Recovery	Ctl Limits
Acetic Acid	< 1.0	mg/L		1.0		- NA
Propionic Acid	< 1.0	mg/L		1.0		- NA
Butyric Acid	< 1.0	mg/L		1.0		- NA
Lactic Acid	< 25.0	mg/L		25.0		- NA
Pyruvic Acid	< 10.0	mg/L		10.0		- NA

M071001020-LCS

	Result		TrueSpikeConc.	%Recovery	Ctl Limits
Acetic Acid	110.0	mg/L	100.00	110.00	70 - 130
Propionic Acid	96.0	mg/L	100.00	96.00	70 - 130
Butyric Acid	80.0	mg/L	100.00	80.00	70 - 130
Lactic Acid	97.0	mg/L	100.00	97.00	70 - 130
Pyruvic Acid	100.0	mg/L	100.00	100.00	70 - 130

P0709319-01A-MS

	Result		TrueSpikeConc.	%Recovery	Ctl Limits
Acetic Acid	97.0	mg/L	100.00	97.00	70 - 130
Propionic Acid	100.0	mg/L	100.00	100.00	70 - 130
Butyric Acid	100.0	mg/L	100.00	100.00	70 - 130
Lactic Acid	89.0	mg/L	100.00	89.00	70 - 130
Pyruvic Acid	98.0	mg/L	100.00	98.00	70 - 130

P0709319-01A-MSD

	Result		TrueSpikeConc.	%Recovery	Ctl Limits	RPD	RPD Ctl Limits
Acetic Acid	98.0	mg/L	100.00	98.00	70 - 130	1.03	0 - 20
Propionic Acid	100.0	mg/L	100.00	100.00	70 - 130	0.00	0 - 20
Butyric Acid	100.0	mg/L	100.00	100.00	70 - 130	0.00	0 - 20
Lactic Acid	100.0	mg/L	100.00	100.00	70 - 130	11.64	0 - 20
Pyruvic Acid	99.0	mg/L	100.00	99.00	70 - 130	1.02	0 - 20

Outlined Results indicate results outside of Control limits

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Microscops

CHAIN OF CUSTODY RECORD

75635

RMT

30 Patewood Drive, Suite 100, Patewood Plaza One, Greenville, SC 29615-3535
Phone 864/281-0030 • Fax 864/281-0288

Project No. 71243.46 | Project/Client: Medley Farm

Project Manager/Contact Person: S. Webb / P. Ressmeyer

Filtered (Yes/No): N
Preserved (Code): A

Analyses Requested: Volatile Fatty Acids

PRESERVED CODES
A — NONE
B — HNO_3
C — H_2SO_4
D — NaOH
E — HCl
F — METHANOL
G — _____

	Lab No.	Yr. 07 Date	Time	Sample Station ID	Total Number of Containers	MATRIX	Analyses Requested: Volatile Fatty Acids								Comments:
1		9/20	1020	SW-4 ✓	2	GW	X								
2			1225	SW-109 ✓	2		X								
3			1415	SW-103 ✓	2		X								
4			1510	SW-106 ✓	2		X								
5			1600	SW-104 ✓	2		X								
6		9/21	1105	A-5 ✓	2		X								
7			1050	MW2-1 ✓	2		X								
8			1220	MW2-2 ✓	2		X								
9			1345	A-6 ✓	2		X								
10			1420	BW-201	2		X								

SPECIAL INSTRUCTIONS

SAMPLER Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	9-21-07	FedEx	9-21-07
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
		Maureen Donlin	9/22/07 1000
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time

HAZARDS ASSOCIATED WITH SAMPLES
- ☐ Flammable
- ☐ Corrosive
- ☐ Highly Toxic
- ☐ Other (list)

Turn Around (circle one) Normal Rush
Report Due _____

(For Lab Use Only)
Receipt Temp: Temp Blank Y N
Receipt pH (Wet/Metals)

Custody Seal: Present/Absent Intact/Not Intact Seal #s

F-268 (6/04)

WHITE—LABORATORY COPY YELLOW—REPORT APPENDIX PINK—SAMPLER/SUBMITTER

Microsteps 40109314

75634

CHAIN OF CUSTODY RECORD

RMT

30 Patewood Drive, Suite 100, Patewood Plaza One, Greenville, SC 29615-3535
Phone 864/281-0030 • Fax 864/281-0288

Project No. 71243.46

Project/Client: Medley Farm

Project Manager/Contact Person: S. Webb / P. Ressmeyer

Filtered (Yes/No): N

Preserved (Code): A

Analyses Requested: Volatile Fatty Acids

PRESERVED CODES
A — NONE
B — HNO_3
C — H_2SO_4
D — NaOH
E — HCl
F — METHANOL
G — _____

	Lab No.	Yr. 07 Date	Time	Sample Station ID	Total Number of Containers	MATRIX	Volatile Fatty Acids								Comments:
1		9/19	1230	A-3 ✓	2	GW	X								
2			1000	SW-101 ✓	2		X								
3			1100	SW-102 ✓	2		X								
4			1205	SW-201 ✓	2		X								
5			1450	SW-108 ✓	2		X								
6			1545	SW-202 ✓	2		X								
7		9/20	1215	A-7 ✓	2		X								
8			1455	A-4 ✓	2		X								
9			1710	A-2	2		X								
10			1120	SW-3	2		X								

SPECIAL INSTRUCTIONS

8596-8071-8410

SAMPLER Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
S. Oll	9-21-07	FedEx	9-21-07
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
		Maureen Conlin	9/22/07 1000
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time

HAZARDS ASSOCIATED WITH SAMPLES
- ☐ Flammable
- ☐ Corrosive
- ☐ Highly Toxic
- ☐ Other (list) _____

Turn Around (circle one) Normal Rush

Report Due _____

(For Lab Use Only)

Receipt Temp: Temp Blank Y N _____

Receipt pH (Wet/Metals) _____

Custody Seal: Present/Absent Intact/Not Intact Seal #s

F-268 (6/04)

WHITE—LABORATORY COPY YELLOW—REPORT APPENDIX PINK—SAMPLER/SUBMITTER

Cooler Receipt Form

Client: RMT, Inc Client Code: RMTSC LabProject #: P0709319
Project: Medley Farm
Cooler ID: 1

A. Preliminary Examination Phase: Date cooler opened: 9/22/2007
Cooler opened by: MD

1. Was airbill Attached? Yes Airbill #: 859680718410 Carrier Name: FedEx
2. Custody Seals? Yes How many? 1 Location: LID Seal Name: LID
3. Seals intact? N/A
4. Screened for radiation? N/A
5. COC Attached? N/A Properly Completed? Yes Signed by employee? Yes
6. Project Identification from custody paper: Medley Farm
7. Preservative: Yes Temperature: 4

Comments: EDD AND COOLER RECEIPT FORMS

B. Log-In Phase: Samples Log-in Date: 9/22/2007 Log-in By: MD

1. Packing Type: Other
2. Were samples in separate bags? N/A
3. Were containers intact? Yes Labels agree with COC? Yes
4. Number of bottles received: 40 Number of samples received: 20
5. Correct containers used? Yes Correct preservatives added? N/A
6. Sufficient sample volume? Yes
7. Bubbles in VOA samples? N/A
8. Was Project manager called and status discussed? N/A

Comments:

Have designate person initial here to acknowledge receipt of cooler: MD Date: 9-22-07

File

microseeps
From insight comes solutions

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Page: Page 1 of 12
Lab Proj #: P0710022
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Laboratory Results

Total pages in data package: 14

Lab Sample #	Client Sample ID
P0710022-01	A-1
P0710022-02	MW4-2
P0710022-03	MW4-1
P0710022-04	B-1
P0710022-05	MW-3D
P0710022-06	B-2
P0710022-07	BW-202
P0710022-08	B-3
P0710022-09	B-4
P0710022-10	DU-07301

Microseeps test results meet all the requirements of the NELAC standards.

Approved By: Rachel Yapp

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.

Case Narrative

QC - LCH, 10/16/07: COC, TEMP, METHOD, DL, DU-07301 = B-1 ✓
QC ✓

220 William Pitt Way • Pittsburgh, PA 15238 • Tel 412-826-5245 • Fax 412-826-3433
website www.microseeps.com email info@microseeps.com

Client Name. RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #. P0710022
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
A-1	Water	P0710022-01	24 Sep 07 11:10	01 Oct 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

ata Qualifiers: J - estimated value, U - Non detect. R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank. S - field imple as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used. N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710022
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW4-2	Water	P0710022-02	24 Sep 07 10.35	01 Oct 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1 0	1 0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25 0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

)ata Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery. M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank. S - field ample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710022
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW4-1	Water	P0710022-03	24 Sep 07 11:30	01 Oct 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710022
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
B-1	Water	P0710022-04	24 Sep 07 13:35	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value. U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP. B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria. L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710022
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW-3D	Water	P0710022-05	24 Sep. 07 14:25	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710022
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
B-2	Water	P0710022-06	24 Sep. 07 16:30	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1 0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25 0	25 0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10 0	mg/L	AM21G	10/11/07	td

ata Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field
mple as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710022
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
BW-202	Water	P0710022-07	24 Sep. 07 15:40	01 Oct 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1 0	1 0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25 0	25 0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1 0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank. S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710022
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
B-3	Water	P0710022-08	25 Sep. 07 11:20	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710022
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
B-4	Water	P0710022-09	25 Sep 07 11:10	01 Oct 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1 0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25 0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1 0	1 0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10 0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710022
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
DU-07301	Water	P0710022-10	25 Sep. 07 0:00	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #. P0710022
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Prep Method: Analysis of Volatile Fatty Acids in Water
Analysis Method: Analysis of Volatile Fatty Acids in Water

M071011014-MB

	Result		TrueSpikeConc.	RDL	%Recovery	Ctl Limits
Acetic Acid	< 1.0	mg/L		1 0		- NA
Propionic Acid	< 1 0	mg/L		1 0		- NA
Butyric Acid	< 1 0	mg/L		1 0		- NA
Lactic Acid	< 25 0	mg/L		25 0		- NA
Pyruvic Acid	< 10.0	mg/L		10 0		- NA

M071011014-LCS

	Result		TrueSpikeConc.	%Recovery	Ctl Limits
Acetic Acid	110.0	mg/L	100.00	110.00	70 - 130
Propionic Acid	110 0	mg/L	100 00	110.00	70 - 130
Butyric Acid	110.0	mg/L	100.00	110.00	70 - 130
Lactic Acid	110.0	mg/L	100 00	110.00	70 - 130
Pyruvic Acid	110 0	mg/L	100.00	110.00	70 - 130

P0710022-01A-MS

	Result		TrueSpikeConc.	%Recovery	Ctl Limits
Acetic Acid	100 0	mg/L	100.00	100.00	70 - 130
Propionic Acid	110.0	mg/L	100.00	110 00	70 - 130
Butyric Acid	110 0	mg/L	100.00	110.00	70 - 130
Lactic Acid	97.0	mg/L	100.00	97 00	70 - 130
Pyruvic Acid	100.0	mg/L	100.00	100 00	70 - 130

P0710022-01A-MSD

	Result		TrueSpikeConc.	%Recovery	Ctl Limits	RPD	RPD Ctl Limits
Acetic Acid	110 0	mg/L	100.00	110.00	70 - 130	9 52	0 - 20
Propionic Acid	110 0	mg/L	100.00	110.00	70 - 130	0.00	0 - 20
Butyric Acid	110.0	mg/L	100.00	110 00	70 - 130	0 00	0 - 20
Lactic Acid	100.0	mg/L	100.00	100 00	70 - 130	3.05	0 - 20
Pyruvic Acid	100 0	mg/L	100.00	100.00	70 - 130	0 00	0 - 20

Outlined Results indicate results outside of Control limits

)ata Qualifiers: J - estimated value. U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field ample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Microseeps

CHAIN OF CUSTODY RECORD

P0710022 75640

RMT

30 Patewood Drive, Suite 100, Patewood Plaza One, Greenville, SC 29615-3535
Phone 864/281-0030 • Fax 864/281-0288

Project No. 71243.46 | Project/Client: Medley Farm

Project Manager/Contact Person: S. Webb / P. Ressmeyer

Filtered (Yes/No): N

Preserved (Code): A

Lab No.	Yr. 07 Date	Time	Sample Station ID	Total Number of Containers	MATRIX	Analyses Requested: Volatile Fatty Acids								Comments:
1	9/24	1110	A-1	1	GW	X								
2		1035	MW4-2	1		X								
3		1130	MW4-1	1		X								
4		1335	B-1	1		X								
5		1425	MW-3D	1		X								
6		1630	B-2	1		X								
7		1540	BW-202	1		X								
8	9/25	1120	B-3	1		X								
9	"	1110	B-4	1		X								
10	—	—	DU-07301	1		X								

PRESERVED CODES
A — NONE
B — HNO_3
C — H_2SO_4
D — NaOH
E — HCl
F — METHANOL
G — _____

SPECIAL INSTRUCTIONS

8596-8071-8384

SAMPLER Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	9-28-07	FedEx	9-28-07
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
		[signature]	10/7
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time

Custody Seal: Present/Absent Intact/Not Intact Seal #s

HAZARDS ASSOCIATED WITH SAMPLES
- ☐ Flammable
- ☐ Corrosive
- ☐ Highly Toxic
- ☐ Other (list) _____

Turn Around (circle one) Normal Rush

Report Due _____

(For Lab Use Only)

Receipt Temp: Temp Blank Y N

Receipt pH (Wet/Metals)

F-268 (6/04)

WHITE—LABORATORY COPY YELLOW—REPORT APPENDIX PINK—SAMPLER/SUBMITTER

Cooler Receipt Form

Client: RMT, Inc. Client Code: RMTSC LabProject #: P0710022

Project: Medley Farm

Cooler ID: 1

A. Preliminary Examination Phase: Date cooler opened: 10/1/2007

Cooler opened by: dp

1. Was airbill Attached? N/A Airbill #: Carrier Name: FedEx

2. Custody Seals? N/A How many? 0 Location: Seal Name:

3. Seals intact? Yes

4. Screened for radiation? N/A

5. COC Attached? Yes Properly Completed? Yes Signed by employee? Yes

6. Project Identification from custody paper: Medley Farm

7. Preservative: Yes Temperature: 4

Comments:

B. Log-In Phase: Samples Log-in Date: 10/1/2007 Log-in By: dp

1. Packing Type: Other

2. Were samples in separate bags? N/A

3. Were containers intact? Yes Labels agree with COC? Yes

4. Number of bottles received: 20 Number of samples received: 10

5. Correct containers used? Yes Correct preservatives added? N/A

6. Sufficient sample volume? Yes

7. Bubbles in VOA samples? N/A

8. Was Project manager called and status discussed? N/A

Comments:

ave designate person initial here to acknowledge receipt of cooler: Date: 10/1/7

File

microseeps
from insight comes solutions

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Page: Page 1 of 12
Lab Proj #: P0710023
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Laboratory Results

Total pages in data package: 14

Lab Sample #	Client Sample ID
P0710023-01	DP3-1
P0710023-02	DP3-2
P0710023-03	DP-2-1
P0710023-04	BW-4
P0710023-05	BW-3
P0710023-06	BW-105
P0710023-07	BW-110
P0710023-08	BW-109
P0710023-09	BW-108
P0710023-10	DU-07302

Microseeps test results meet all the requirements of the NELAC standards.

Approved By: Rachel Tippett

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.

Case Narrative

QC-LCH, 10/16/07: COC, TEMP, METHOD, DL, DU-07302 = DP-3-1 ✓

QC ✓

220 William Pitt Way • Pittsburgh, PA 15238 • Tel 412-826-5245 • Fax 412-826-3433
website www.microseeps.com email info@microseeps.com

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710023
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
DP3-1	Water	P0710023-01	25 Sep. 07 15.20	01 Oct 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710023
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
DP3-2	Water	P0710023-02	25 Sep. 07 15:40	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank. S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710023
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
DP-2-1	Water	P0710023-03	26 Sep. 07 10:35	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1 0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1 0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10 0	10.0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710023
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
BW-4	Water	P0710023-04	26 Sep. 07 10:35	01 Oct 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710023
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
BW-3	Water	P0710023-05	26 Sep. 07 13:35	01 Oct 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710023
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
BW-105	Water	P0710023-06	26 Sep. 07 13:40	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery. M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria. L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710023
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
BW-110	Water	P0710023-07	26 Sep. 07 15:25	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710023
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
BW-109	Water	P0710023-08	26 Sep. 07 15:10	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710023
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
BW-108	Water	P0710023-09	27 Sep 07 11:00	01 Oct 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

ata Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field mple as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710023
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
DU-07302	Water	P0710023-10	27 Sep 07	01 Oct 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/11/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/11/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/11/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria. L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710023
Report Date: 10/12/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Prep Method: Analysis of Volatile Fatty Acids in Water
Analysis Method: Analysis of Volatile Fatty Acids in Water

M071011014-MB

	Result		TrueSpikeConc.	RDL	%Recovery	Ctl Limits
Acetic Acid	< 1.0	mg/L		1.0		- NA
Propionic Acid	< 1.0	mg/L		1.0		- NA
Butyric Acid	< 1.0	mg/L		1.0		- NA
Lactic Acid	< 25.0	mg/L		25.0		- NA
Pyruvic Acid	< 10.0	mg/L		10.0		- NA

M071011014-LCS

	Result		TrueSpikeConc.	%Recovery	Ctl Limits
Acetic Acid	110.0	mg/L	100.00	110.00	70 - 130
Propionic Acid	110.0	mg/L	100.00	110.00	70 - 130
Butyric Acid	110.0	mg/L	100.00	110.00	70 - 130
Lactic Acid	110.0	mg/L	100.00	110.00	70 - 130
Pyruvic Acid	110.0	mg/L	100.00	110.00	70 - 130

P0710022-01A-MS

	Result		TrueSpikeConc.	%Recovery	Ctl Limits
Acetic Acid	100.0	mg/L	100.00	100.00	70 - 130
Propionic Acid	110.0	mg/L	100.00	110.00	70 - 130
Butyric Acid	110.0	mg/L	100.00	110.00	70 - 130
Lactic Acid	97.0	mg/L	100.00	97.00	70 - 130
Pyruvic Acid	100.0	mg/L	100.00	100.00	70 - 130

P0710022-01A-MSD

	Result		TrueSpikeConc.	%Recovery	Ctl Limits	RPD	RPD Ctl Limits
Acetic Acid	110.0	mg/L	100.00	110.00	70 - 130	9.52	0 - 20
Propionic Acid	110.0	mg/L	100.00	110.00	70 - 130	0.00	0 - 20
Butyric Acid	110.0	mg/L	100.00	110.00	70 - 130	0.00	0 - 20
Lactic Acid	100.0	mg/L	100.00	100.00	70 - 130	3.05	0 - 20
Pyruvic Acid	100.0	mg/L	100.00	100.00	70 - 130	0.00	0 - 20

Outlined Results indicate results outside of Control limits

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

CHAIN OF CUSTODY RECORD

P0710023 75641

RMT

30 Patewood Drive, Suite 100, Patewood Plaza One, Greenville, SC 29615-3535
Phone 864/281-0030 • Fax 864/281-0288

Project No. 71243.46 | Project/Client: Medley Farm

Project Manager/Contact Person: S. Webb / P. Ressmeyer

Filtered (Yes/No): N

Preserved (Code): A

	Lab No.	Yr. 07 Date	Time	Sample Station ID	Total Number of Containers	MATRIX	Analyses Requested: Volatile Fatty Acids								Comments:
01		9/25	1520	DP3-1	1	GW	X								
02		"	1540	DP3-2	1		X								
03		9/26	1035	DP-2-1	1		X								
04			1035	BW-4	1		X								
05			1335	BW-3	1		X								
06			1340	BW-105	1		X								
07			1525	BW-110	1		X								
08			1510	BW-109	1		X								
09		9/27	1100	BW-108	1		X								
10		—	—	DU-07302	1		X								

PRESERVED CODES
A — NONE
B — HNO_3
C — H_2SO_4
D — NaOH
E — HCl
F — METHANOL
G — _____

SPECIAL INSTRUCTIONS

SAMPLER Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	9-28-07	FedEx	9-28-07
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
		[signature]	
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
			10/17

HAZARDS ASSOCIATED WITH SAMPLES
- ☐ Flammable
- ☐ Corrosive
- ☐ Highly Toxic
- ☐ Other (list) _____

Turn Around (circle one) Normal Rush

Report Due _____

(For Lab Use Only)

Receipt Temp: _____

Temp Blank Y N

Receipt pH (Wet/Metals) _____

Custody Seal: Present/Absent Intact/Not Intact Seal #s

F-268 (6/04)

WHITE—LABORATORY COPY YELLOW—REPORT APPENDIX PINK—SAMPLER/SUBMITTER

Cooler Receipt Form

Client: RMT, Inc. Client Code: RMTSC LabProject #: P0710023

Project: Medley Farm

Cooler ID: 1

A. Preliminary Examination Phase: Date cooler opened: 10/1/2007

Cooler opened by: dp

1. Was airbill Attached? N/A Airbill #: Carrier Name: FedEx

2. Custody Seals? N/A How many? 0 Location: Seal Name:

3. Seals intact? Yes

4. Screened for radiation? N/A

5. COC Attached? Yes Properly Completed? Yes Signed by employee? Yes

6. Project Identification from custody paper: Medley Farm

7. Preservative: Yes Temperature: 4

Comments:

B. Log-In Phase: Samples Log-in Date: 10/1/2007 Log-in By: dp

1. Packing Type: Other

2. Were samples in separate bags? N/A

3. Were containers intact? Yes Labels agree with COC? Yes

4. Number of bottles received: 20 Number of samples received: 10

5. Correct containers used? Yes Correct preservatives added? N/A

6. Sufficient sample volume? Yes

7. Bubbles in VOA samples? N/A

8. Was Project manager called and status discussed? N/A

Comments:

Have designate person initial here to acknowledge receipt of cooler: Date: 10/1/7

File

microseeps
from insight comes solutions

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Page: Page 1 of 12
Lab Proj #: P0710024
Report Date: 10/15/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Laboratory Results

Total pages in data package: 14

Lab Sample #	Client Sample ID
P0710024-01	MLW-1-1
P0710024-02	MLW-1-2
P0710024-03	MLW-1-3
P0710024-04	MLW-1-4
P0710024-05	BW-106
P0710024-06	MLW-3-2
P0710024-07	MLW-3-3
P0710024-08	MLW-3-4
P0710024-09	BW-1
P0710024-10	DU-07303

Microseeps ~~test re~~sults meet all the requirements of the NELAC standards.

Approved By: Rachel Tupper

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.

Case Narrative

QC-LCH, 10/18/07: COC, TEMP, METHOD, DL, QC ✓

DU-07303 = BW-108

220 William Pitt Way • Pittsburgh, PA 15238 • Tel 412-826-5245 • Fax 412-826-3433
website www.microseeps.com email info@microseeps.com

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710024
Report Date: 10/15/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MLW-1-1	Water	P0710024-01	27 Sep 07 11:10	01 Oct 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/12/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/12/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710024
Report Date: 10/15/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MLW-1-2	Water	P0710024-02	27 Sep. 07 13:30	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid		12.0	1.0	mg/L	AM21G	10/12/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/12/07	td
Propionic Acid		3.1	1.0	mg/L	AM21G	10/12/07	td
Pyruvic Acid	U	< 10 0	10 0	mg/L	AM21G	10/12/07	td

)ata Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field ample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis.

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Lab Proj #: P0710024
Report Date: 10/15/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MLW-1-3	Water	P0710024-03	27 Sep. 07 14:10	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/12/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/12/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

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Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710024
Report Date: 10/15/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MLW-1-4	Water	P0710024-04	27 Sep. 07 14:30	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1 0	1.0	mg/L	AM21G	10/12/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Lactic Acid	U	< 25 0	25 0	mg/L	AM21G	10/12/07	td
Propionic Acid	U	< 1 0	1.0	mg/L	AM21G	10/12/07	td
Pyruvic Acid	U	< 10 0	10.0	mg/L	AM21G	10/12/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank. S - field sample as received did not meet NELAC sample acceptance criteria. L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710024
Report Date: 10/15/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
BW-106	Water	P0710024-05	27 Sep. 07 14:40	01 Oct 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1 0	1 0	mg/L	AM21G	10/12/07	td
Butyric Acid	U	< 1.0	1 0	mg/L	AM21G	10/12/07	td
Lactic Acid	U	< 25 0	25.0	mg/L	AM21G	10/12/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Pyruvic Acid	U	< 10.0	10 0	mg/L	AM21G	10/12/07	td

Data Qualifiers: J - estimated value. U - Non detect; R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria. L - Subcontracted Lab used, N - NELAC certified analysis

Client Name. RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710024
Report Date: 10/15/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MLW-3-2	Water	P0710024-06	27 Sep. 07 15:00	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/12/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/12/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710024
Report Date: 10/15/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MLW-3-3	Water	P0710024-07	27 Sep 07 15:20	01 Oct 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1 0	mg/L	AM21G	10/12/07	td
Butyric Acid	U	< 1 0	1 0	mg/L	AM21G	10/12/07	td
Lactic Acid	U	< 25.0	25 0	mg/L	AM21G	10/12/07	td
Propionic Acid	U	< 1 0	1.0	mg/L	AM21G	10/12/07	td
Pyruvic Acid	U	< 10.0	10 0	mg/L	AM21G	10/12/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710024
Report Date: 10/15/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MLW-3-4	Water	P0710024-08	27 Sep. 07 16:00	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/12/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/12/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD. SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710024
Report Date: 10/15/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
BW-1	Water	P0710024-09	28 Sep. 07 10:30	01 Oct 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Butyric Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/12/07	td
Propionic Acid	U	< 1.0	1.0	mg/L	AM21G	10/12/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/12/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP. B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria. L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710024
Report Date: 10/15/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
DU-07303	Water	P0710024-10	28 Sep 07 0:00	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1 0	1.0	mg/L	AM21G	10/12/07	td
Butyric Acid	U	< 1.0	1 0	mg/L	AM21G	10/12/07	td
Lactic Acid	U	< 25 0	25 0	mg/L	AM21G	10/12/07	td
Propionic Acid	U	< 1 0	1.0	mg/L	AM21G	10/12/07	td
Pyruvic Acid	U	< 10.0	10.0	mg/L	AM21G	10/12/07	td

)ata Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field ample as received did not meet NELAC sample acceptance criteria. L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710024
Report Date: 10/15/07
Client Proj Name. Medley Farm
Client Proj #: 71243 46

Prep Method: Analysis of Volatile Fatty Acids in Water
Analysis Method: Analysis of Volatile Fatty Acids in Water

M071012010-MB

	Result		TrueSpikeConc.	RDL	%Recovery	Ctl Limits
Acetic Acid	< 1.0	mg/L		1 0		- NA
Propionic Acid	< 1.0	mg/L		1.0		- NA
Butyric Acid	< 1 0	mg/L		1.0		- NA
Lactic Acid	< 25 0	mg/L		25.0		- NA
Pyruvic Acid	< 10 0	mg/L		10 0		- NA

M071012010-LCS

	Result		TrueSpikeConc.	%Recovery	Ctl Limits
Acetic Acid	110 0	mg/L	100.00	110 00	70 - 130
Propionic Acid	100.0	mg/L	100.00	100.00	70 - 130
Butyric Acid	100 0	mg/L	100.00	100.00	70 - 130
Lactic Acid	87 0	mg/L	100.00	87 00	70 - 130
Pyruvic Acid	92.0	mg/L	100.00	92.00	70 - 130

P0710024-01A-MS

	Result		TrueSpikeConc.	%Recovery	Ctl Limits
Acetic Acid	110.0	mg/L	100.00	110.00	70 - 130
Propionic Acid	110 0	mg/L	100 00	110.00	70 - 130
Butyric Acid	110.0	mg/L	100 00	110 00	70 - 130
Lactic Acid	94.0	mg/L	100.00	94.00	70 - 130
Pyruvic Acid	96.0	mg/L	100 00	96.00	70 - 130

P0710024-01A-MSD

	Result		TrueSpikeConc.	%Recovery	Ctl Limits	RPD	RPD Ctl Limits
Acetic Acid	110 0	mg/L	100.00	110 00	70 - 130	0.00	0 - 20
Propionic Acid	100.0	mg/L	100.00	100 00	70 - 130	9 52	0 - 20
Butyric Acid	100.0	mg/L	100.00	100.00	70 - 130	9.52	0 - 20
Lactic Acid	99 0	mg/L	100.00	99.00	70 - 130	5.18	0 - 20
Pyruvic Acid	97.0	mg/L	100.00	97 00	70 - 130	1 04	0 - 20

Outlined Results indicate results outside of Control limits

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank. S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

CHAIN OF CUSTODY RECORD

P0710024 75642

RMT
30 Patewood Drive, Suite 100, Patewood Plaza One, Greenville, SC 29615-3535
Phone 864/281-0030 • Fax 864/281-0288

Project No. 7124346 | Project/Client: Medley Farm

Project Manager/Contact Person: S. Webb/P. Ressmeyer

Filtered (Yes/No): N
Preserved (Code): A

Lab No.	Yr. 07 Date	Time	Sample Station ID	Total Number of Containers	MATRIX	Analyses Requested: Volatile Fatty Acids								Comments:
21	9/27	1110	MLW-1-1	1	GW	X								
22		1330	MLW-1-2	1		X								
23		1410	MLW-1-3	1		X								
24		1430	MLW-1-4	1		X								
25		1440	BW-106	1		X								
26		1500	MLW-3-2	1		X								
27		1520	MLW-3-3	1		X								
28		1600	MLW-3-4	1		X								
29	9/28	1030	BW-1	1		X								
30	—	—	DU-07303	1		X								

PRESERVED CODES
A — NONE
B — HNO_3
C — H_2SO_4
D — NaOH
E — HCl
F — METHANOL
G — _____

SPECIAL INSTRUCTIONS

SAMPLER Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	9-28-07	FedEx	9-28-07
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
		[signature]	
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
		[signature]	10/1/7

HAZARDS ASSOCIATED WITH SAMPLES
- ☐ Flammable
- ☐ Corrosive
- ☐ Highly Toxic
- ☐ Other (list) _____

Turn Around (circle one) Normal Rush
Report Due _____

(For Lab Use Only)
Receipt Temp:
Temp Blank Y N
Receipt pH (Wet/Metals)

Custody Seal: Present/Absent Intact/Not Intact Seal #s

F-268 (6/04)

WHITE—LABORATORY COPY YELLOW—REPORT APPENDIX PINK—SAMPLER/SUBMITTER

Cooler Receipt Form

Client: RMT, Inc. Client Code: RMTSC LabProject #: P0710024

Project: Medley Farm

Cooler ID: 1

A. Preliminary Examination Phase: Date cooler opened: 10/1/2007

Cooler opened by: dp

1. Was airbill Attached? N/A Airbill #: Carrier Name: FedEx
2. Custody Seals? N/A How many? 0 Location: Seal Name:
3. Seals intact? Yes
4. Screened for radiation? N/A
5. COC Attached? Yes Properly Completed? Yes Signed by employee? Yes
6. Project Identification from custody paper: Medley Farm
7. Preservative: Yes Temperature: 4

Comments:

B. Log-In Phase: Samples Log-in Date: 10/1/2007 Log-in By: dp

1. Packing Type: Other
2. Were samples in separate bags? N/A
3. Were containers intact? Yes Labels agree with COC? Yes
4. Number of bottles received: 20 Number of samples received: 10
5. Correct containers used? Yes Correct preservatives added? N/A
6. Sufficient sample volume? Yes
7. Bubbles in VOA samples? N/A
8. Was Project manager called and status discussed? N/A

Comments:

ave designate person initial here to acknowledge receipt of cooler: Date: 10/1/7

File

microseeps
from insight comes solutions

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Page: Page 1 of 5
Lab Proj #: P0710025
Report Date: 10/17/07
Client Proj Name: Medley Farm
Client Proj #: 71243.46

Laboratory Results

Total pages in data package: 7

Lab Sample #	Client Sample ID
P0710025-01	SW-1
P0710025-02	BW-2
P0710025-03	RBLK-07301

Microseeps ~~test~~ results meet all the requirements of the NELAC standards.

Approved By: Rachel Dupre

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.

Case Narrative

QC-LCH, 10/19/07: COC, TEMP, METHOD, DL, QC ✓

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710025
Report Date: 10/17/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
SW-1	Water	P0710025-01	28 Sep. 07 10:00	01 Oct. 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1 0	mg/L	AM21G	10/16/07	td
Butyric Acid	U	< 1 0	1 0	mg/L	AM21G	10/16/07	td
Lactic Acid	U	< 25.0	25 0	mg/L	AM21G	10/16/07	td
Propionic Acid	U	< 1.0	1 0	mg/L	AM21G	10/16/07	td
Pyruvic Acid	U	< 10 0	10 0	mg/L	AM21G	10/16/07	td

Data Qualifiers: J - estimated value, U - Non detect. R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank. S - field sample as received did not meet NELAC sample acceptance criteria. L - Subcontracted Lab used. N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #. P0710025
Report Date: 10/17/07
Client Proj Name: Medley Farm
Client Proj #. 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
BW-2	Water	P0710025-02	28 Sep. 07 11:40	01 Oct 07 14:29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1.0	1 0	mg/L	AM21G	10/16/07	td
Butyric Acid	U	< 1.0	1 0	mg/L	AM21G	10/16/07	td
Lactic Acid	U	< 25 0	25 0	mg/L	AM21G	10/16/07	td
Propionic Acid	U	< 1 0	1.0	mg/L	AM21G	10/16/07	td
Pyruvic Acid	U	< 10 0	10.0	mg/L	AM21G	10/16/07	td

)ata Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD. SAMP/DUP, B - detected in blank. S - field ample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Page: Page 4 of 5
Lab Proj #: P0710025
Report Date: 10/17/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
RBLK-07301	Water	P0710025-03	28 Sep. 07 15:30	01 Oct. 07 14.29

Analyte(s)	Flag	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles							
Acetic Acid	U	< 1 0	1.0	mg/L	AM21G	10/16/07	td
Butyric Acid	U	< 1 0	1 0	mg/L	AM21G	10/16/07	td
Lactic Acid	U	< 25.0	25.0	mg/L	AM21G	10/16/07	td
Propionic Acid	U	< 1 0	1.0	mg/L	AM21G	10/16/07	td
Pyruvic Acid	U	< 10 0	10.0	mg/L	AM21G	10/16/07	td

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

Client Name: RMT, Inc.
Contact: Steve Webb
Address: Patewood Plaza One
Suite 100
30 Patewood Drive
Greenville, SC 29615-3535

Lab Proj #: P0710025
Report Date: 10/17/07
Client Proj Name: Medley Farm
Client Proj #: 71243 46

Prep Method: Analysis of Volatile Fatty Acids in Water
Analysis Method: Analysis of Volatile Fatty Acids in Water

M071016003-MB

	Result		TrueSpikeConc.	RDL	%Recovery	Ctl Limits
Acetic Acid	< 1.0	mg/L		1.0		- NA
Propionic Acid	< 1 0	mg/L		1.0		- NA
Butyric Acid	< 1.0	mg/L		1 0		- NA
Lactic Acid	< 25.0	mg/L		25.0		- NA
Pyruvic Acid	< 10 0	mg/L		10 0		- NA

M071016003-LCS

	Result		TrueSpikeConc.	%Recovery	Ctl Limits
Acetic Acid	100 0	mg/L	100.00	100 00	70 - 130
Propionic Acid	110 0	mg/L	100.00	110 00	70 - 130
Butyric Acid	100.0	mg/L	100.00	100 00	70 - 130
Lactic Acid	100.0	mg/L	100.00	100 00	70 - 130
Pyruvic Acid	90.0	mg/L	100.00	90.00	70 - 130

P0710025-01A-MS

	Result		TrueSpikeConc.	%Recovery	Ctl Limits
Acetic Acid	98 0	mg/L	100.00	98.00	70 - 130
Propionic Acid	110 0	mg/L	100.00	110 00	70 - 130
Butyric Acid	100 0	mg/L	100.00	100.00	70 - 130
Lactic Acid	97 0	mg/L	100.00	97.00	70 - 130
Pyruvic Acid	90.0	mg/L	100.00	90.00	70 - 130

P0710025-01A-MSD

	Result		TrueSpikeConc.	%Recovery	Ctl Limits	RPD	RPD Ctl Limits
Acetic Acid	95 0	mg/L	100.00	95 00	70 - 130	3 11	0 - 20
Propionic Acid	100.0	mg/L	100.00	100 00	70 - 130	9.52	0 - 20
Butyric Acid	100 0	mg/L	100.00	100.00	70 - 130	0 00	0 - 20
Lactic Acid	94 0	mg/L	100.00	94.00	70 - 130	3 14	0 - 20
Pyruvic Acid	89 0	mg/L	100 00	89 00	70 - 130	1 12	0 - 20

Outlined Results indicate results outside of Control limits

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery. M - Recovery/RPD poor for MS/MSD. SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

RMT

CHAIN OF CUSTODY RECORD

Po 710025

75643

30 Patewood Drive, Suite 100, Patewood Plaza One, Greenville, SC 29615-3535
Phone 864/281-0030 • Fax 864/281-0288

Project No. 11243.46

Project/Client: Medley Farm

Project Manager/Contact Person: S. Webb / P. Ressmeyer

Filtered (Yes/No): N

Preserved (Code): A

Lab No.	Yr. 07 Date	Time	Sample Station ID	Total Number of Containers	MATRIX	Analyses Requested: Volatile Fatty Acids								Comments:
B1	9/28	1000	SW-1	1	GW	X								
B2		1140	BW-2	1	GW	X								
		~~1115~~	~~FBLK-07301 GSD~~	~~1~~	~~DI~~	~~X~~								Broke bottles for FBLK
B3		1530	RBLK-07301	1	DI	X								

PRESERVED CODES
A — NONE
B — HNO_3
C — H_2SO_4
D — NaOH
E — HCl
F — METHANOL
G — _____

SPECIAL INSTRUCTIONS

SAMPLER Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	9-28-07	FedEx	9-28-07
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
		[signature]	
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
		[signature]	10/2/07

HAZARDS ASSOCIATED WITH SAMPLES
- ☐ Flammable
- ☐ Corrosive
- ☐ Highly Toxic
- ☐ Other (list) _____

Turn Around (circle one) Normal Rush

Report Due _____

(For Lab Use Only)

Receipt Temp: Temp Blank Y N

Receipt pH (Wet/Metals)

Custody Seal: Present/Absent Intact/Not Intact Seal #s

F-268 (6/04)

WHITE—LABORATORY COPY YELLOW—REPORT APPENDIX PINK—SAMPLER/SUBMITTER

Cooler Receipt Form

Client: RMT, Inc Client Code: RMTSC LabProject #: P0710025

Project: Medley Farm

Cooler ID: 1

A. Preliminary Examination Phase: Date cooler opened: 10/1/2007

Cooler opened by: dp

1. Was airbill Attached? N/A Airbill #: Carrier Name: FedEx
2. Custody Seals? N/A How many? 0 Location: Seal Name:
3. Seals intact? Yes
4. Screened for radiation? N/A
5. COC Attached? Yes Properly Completed? Yes Signed by employee? Yes
6. Project Identification from custody paper: Medley Farm
7. Preservative: Yes Temperature: 4

Comments:

B. Log-In Phase: Samples Log-in Date: 10/1/2007 Log-in By: dp

1. Packing Type: Other
2. Were samples in separate bags? N/A
3. Were containers intact? Yes Labels agree with COC? Yes
4. Number of bottles received: 6 Number of samples received: 3
5. Correct containers used? Yes Correct preservatives added? N/A
6. Sufficient sample volume? Yes
7. Bubbles in VOA samples? N/A
8. Was Project manager called and status discussed? N/A

Comments:

Have designate person initial here to acknowledge receipt of cooler: _____ Date: 10/1/7

Pace Laboratory Analytical Reports

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 888812

Client: RMT - GREENVILLE

Lab Contact: Tod Noltemeyer

Project Name: MEDLEY FARM

Project Number: 71243.46

Lab Sample Number	Field ID	Matrix	Collection Date
888812-001	SW-3	WATER	09/20/07 11:20
888812-002	SW-4	WATER	09/20/07 10:20
888812-003	SW-109	WATER	09/20/07 12:25
888812-004	SW-103	WATER	09/20/07 14:15
888812-005	SW-106	WATER	09/20/07 15:10
888812-006	SW-104	WATER	09/20/07 16:00
888812-007	A-5	WATER	09/21/07 11:05
888812-008	MW2-1	WATER	09/21/07 10:50
888812-009	MW2-2	WATER	09/21/07 12:20
888812-010	A-6	WATER	09/21/07 13:45
888812-011	TBLK-07301	WATER	09/19/07
888812-012	A-3	WATER	09/19/07 12:30
888812-013	SW-101	WATER	09/19/07 10:00
888812-014	SW-102	WATER	09/19/07 11:00
888812-015	SW-201	WATER	09/19/07 12:05
888812-016	SW-108	WATER	09/19/07 14:50
888812-017	SW-202	WATER	09/19/07 15:45
888812-018	A-7	WATER	09/20/07 12:15
888812-019	A-4	WATER	09/20/07 14:55
888812-020	A-2	WATER	09/20/07 17:10
888812-021	BW-201	WATER	09/21/07 14:20

QC

- Hi, temp, COC, methods, dl, CRL, pres ✓
- level 2 QC ✓
- TBLK ✓

Due to detect in MBLK Mn for SW-102, 103, 104 should be flagged "u" as an unconfirmed detect.

Due to MSMSD recovery OCL low, sulfate should be flagged "j-" as estimated & potentially biased low for all detections this SDG

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

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Qualifiers added to database.
LCH 11/1/07

ACCREDITED IN ACCORDANCE WITH nelac

Alec [signature] 10/26/07

Approval Signature Date

Mn < 3.3 (MBLK = 0.66): SW-103, 104, 102,

SO4 MSMSD = A-6 low rec.
A-3

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : SW-3

Matrix Type : WATER
Collection Date : 09/20/07
Report Date : 10/25/07
Lab Sample Number : 888812-001

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	2100	2.0	2	ug/L		10/22/07 11:34 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	4.4	4.0	1	mg/L		10/02/07 02:48 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/02/07 01:45 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 9:58 AM Anl By: SMT

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0		1.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0		1.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene		0.79	J	1.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0		1.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L	*	09/27/07 9:58 AM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B
Chloroform	<	1.0		1.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		63		1.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B
Tetrachloroethene		92		1.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B
Trichloroethene		130		1.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B
Vinyl Chloride		29		1.0	1	ug/L		09/27/07 9:58 AM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	88	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	100	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	96	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : SW-4

Matrix Type : WATER
Collection Date : 09/20/07
Report Date : 10/25/07
Lab Sample Number : 888812-002

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	190		2.0	2	ug/L		10/22/07 11:53 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	1.9	B	4.0	1	mg/L		10/02/07 03:01 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/02/07 01:45 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 10:21 AM Anl By: SMT

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane		8.2		1.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane		1.2		1.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane		0.98	J	1.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene		15		1.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0		1.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
Chloroform		10		1.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
Tetrachloroethene		3.3		1.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
Trichloroethene		36		1.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0		1.0	1	ug/L		09/27/07 10:21 AM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	90	64	132	1	%		09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	101	73	127	1	%		09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	98	68	122	1	%		09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : SW-109

Matrix Type : WATER
Collection Date : 09/20/07
Report Date : 10/25/07
Lab Sample Number : 888812-003

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	11		1.0	1	ug/L	A	10/23/07 12:35 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	1.7	B	4.0	1	mg/L		10/02/07 03:13 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/02/07 01:45 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 10:45 AM Anl By: SMT

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L	*	09/27/07 10:45 AM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		09/27/07 10:45 AM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	88	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	101	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	99	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : SW-103

Matrix Type : WATER
Collection Date : 09/20/07
Report Date : 10/25/07
Lab Sample Number : 888812-004

INORGANICS

Test		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved		2.5	1.0	1	ug/L	A	10/23/07 12:41 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	<	4.0	4.0	1	mg/L		10/02/07 03:25 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/02/07 01:45 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 11:09 AM Anl By: SMT

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		09/27/07 11:09 AM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	89	64	132	1	%		09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	100	73	127	1	%		09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	98	68	122	1	%		09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : SW-106

Matrix Type : WATER
Collection Date : 09/20/07
Report Date : 10/25/07
Lab Sample Number : 888812-005

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	880	2.0	2	ug/L		10/23/07 12:47 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	7.0	4.0	1	mg/L		10/02/07 03:37 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/02/07 01:45 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 11:32 AM Anl By: SMT

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	< 1.0	1.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B
2-Butanone	< 5.0	5.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B
Acetone	2.5 J	5.0	1	ug/L	*	09/27/07 11:32 AM	SW846 5030B	SW846 8260B
Benzene	< 1.0	1.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B
Chloroethane	< 1.0	1.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B
Chloroform	< 1.0	1.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B
Chloromethane	< 1.0	1.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B
Methylene Chloride	< 1.0	1.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	< 1.0	1.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B
Trichloroethene	< 1.0	1.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	< 1.0	1.0	1	ug/L		09/27/07 11:32 AM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	89	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	99	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	99	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : SW-104

Matrix Type : WATER
Collection Date : 09/20/07
Report Date : 10/25/07
Lab Sample Number : 888812-006

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	2.3		1.0	1	ug/L	A	10/23/07 12:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	1.8	B	4.0	1	mg/L		10/02/07 03:49 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/02/07 01:45 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 11:56 AM Anl By: SMT

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L	*	09/27/07 11:56 AM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		09/27/07 11:56 AM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	87	64	132	1	%		09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	101	73	127	1	%		09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	100	68	122	1	%		09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : A-5

Matrix Type : WATER
Collection Date : 09/21/07
Report Date : 10/25/07
Lab Sample Number : 888812-007

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	290	2.0	2	ug/L		10/23/07 12:59 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	4.6	4.0	1	mg/L		10/02/07 04:26 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/02/07 01:45 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 12:19 PM Anl By: SMT

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	< 1.0	1.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	1.6	1.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	4.0	1.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	1.3	1.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
2-Butanone	< 5.0	5.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
Acetone	< 5.0	5.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
Benzene	< 1.0	1.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
Chloroethane	< 1.0	1.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
Chloroform	8.9	1.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
Chloromethane	< 1.0	1.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	17	1.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
Methylene Chloride	< 1.0	1.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	38	1.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
Trichloroethene	83	1.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	1.5	1.0	1	ug/L		09/27/07 12:19 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	91	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	101	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	98	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : MW2-1

Matrix Type : WATER
Collection Date : 09/21/07
Report Date : 10/25/07
Lab Sample Number : 888812-008

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	260	2.0	2	ug/L		10/23/07 01:05 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	4.2	4.0	1	mg/L		10/02/07 04:38 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/02/07 01:45 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 8:47 AM Anl By: SMT

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	< 1.0	1.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	0.81 J	1.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B
2-Butanone	< 5.0	5.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B
Acetone	< 5.0	5.0	1	ug/L	*	09/27/07 8:47 AM	SW846 5030B	SW846 8260B
Benzene	< 1.0	1.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B
Chloroethane	< 1.0	1.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B
Chloroform	< 1.0	1.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B
Chloromethane	< 1.0	1.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B
Methylene Chloride	< 1.0	1.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	< 1.0	1.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B
Trichloroethene	< 1.0	1.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	< 1.0	1.0	1	ug/L		09/27/07 8:47 AM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	89	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	100	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	96	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : MW2-2

Matrix Type : WATER
Collection Date : 09/21/07
Report Date : 10/25/07
Lab Sample Number : 888812-009

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	2000	2.0	2	ug/L		10/23/07 01:11 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	7.5	4.0	1	mg/L		10/02/07 04:50 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/02/07 01:45 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 12:43 PM Anl By: SMT

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane		0.74	J	1.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0		1.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene		2.3		1.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane		0.82	J	1.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
Chloroform		4.3		1.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		9.8		1.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
Tetrachloroethene		17		1.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
Trichloroethene		42		1.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B
Vinyl Chloride		1.4		1.0	1	ug/L		09/27/07 12:43 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	90	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	101	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	97	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : A-6

Matrix Type : WATER
Collection Date : 09/21/07
Report Date : 10/25/07
Lab Sample Number : 888812-010

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	3100	2.0	2	ug/L		10/23/07 01:29 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	4.5	4.0	1	mg/L	N	10/02/07 05:02 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/02/07 01:45 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 1:06 PM Anl By: SMT

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	< 1.0	1.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	1.1	1.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	0.80 J	1.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B
2-Butanone	< 5.0	5.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B
Acetone	< 5.0	5.0	1	ug/L	*	09/27/07 1:06 PM	SW846 5030B	SW846 8260B
Benzene	< 1.0	1.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B
Chloroethane	< 1.0	1.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B
Chloroform	< 1.0	1.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B
Chloromethane	< 1.0	1.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	20	1.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B
Methylene Chloride	< 1.0	1.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	< 1.0	1.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B
Trichloroethene	3.1	1.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	7.5	1.0	1	ug/L		09/27/07 1:06 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	88	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	100	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	98	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : TBLK-07301

Matrix Type : WATER
Collection Date : 09/19/07
Report Date : 10/25/07
Lab Sample Number : 888812-011

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 9:11 AM **Anl By:** SMT

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L	*	09/27/07 9:11 AM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		09/27/07 9:11 AM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	88	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	99	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	99	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : A-3

Matrix Type : WATER
Collection Date : 09/19/07
Report Date : 10/25/07
Lab Sample Number : 888812-012

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	140		2.0	2	ug/L		10/23/07 01:41 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	3.7	B	4.0	1	mg/L	N	10/02/07 06:03 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/02/07 01:47 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 1:30 PM Anl By: SMT

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane		2.5		1.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0		1.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene		2.4		1.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane		1.4		1.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
Chloroform		5.3		1.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		9.9		1.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
Tetrachloroethene		19		1.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
Trichloroethene		31		1.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B
Vinyl Chloride		0.71	J	1.0	1	ug/L		09/27/07 1:30 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL						
4-Bromofluorobenzene	89	64	132	1	%		09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%		09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	100	68	122	1	%		09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : SW-101

Matrix Type : WATER
Collection Date : 09/19/07
Report Date : 10/25/07
Lab Sample Number : 888812-013

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	7.4	1.0	1	ug/L	A	10/23/07 01:47 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	5.6	4.0	1	mg/L		10/02/07 07:04 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/02/07 01:47 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 1:54 PM Anl By: SMT

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L	*	09/27/07 1:54 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		09/27/07 1:54 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	89	64	132	1	%		09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	101	73	127	1	%		09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	99	68	122	1	%		09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : SW-102

Matrix Type : WATER
Collection Date : 09/19/07
Report Date : 10/25/07
Lab Sample Number : 888812-014

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	0.81	B	1.0	1	ug/L	A	10/23/07 01:53 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	4.0		4.0	1	mg/L		10/02/07 07:16 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/02/07 01:47 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 2:17 PM Anl By: SMT

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L	*	09/27/07 2:17 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		09/27/07 2:17 PM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	88	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	100	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	100	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : SW-201

Matrix Type : WATER
Collection Date : 09/19/07
Report Date : 10/25/07
Lab Sample Number : 888812-015

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	13		1.0	1	ug/L		10/23/07 01:59 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/02/07 08:20 AM	**Anl By:** DLB	
Sulfate	1.8	B	4.0	1	mg/L		10/02/07 07:29 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/02/07 01:47 PM	**Anl By:** GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 2:41 PM **Anl By:** SMT

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L	*	09/27/07 2:41 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B
Chloroform		1.8	1.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B
Tetrachloroethene		2.6	1.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B
Trichloroethene		5.8	1.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		09/27/07 2:41 PM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	89	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	100	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : SW-108

Matrix Type : WATER
Collection Date : 09/19/07
Report Date : 10/25/07
Lab Sample Number : 888812-016

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	86	2.0	2	ug/L		10/23/07 02:05 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	5.3	4.0	1	mg/L		10/02/07 07:41 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/02/07 01:47 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 3:04 PM Anl By: SMT

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	< 1.0	1.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B
2-Butanone	< 5.0	5.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B
Acetone	4.5 J	5.0	1	ug/L	*	09/27/07 3:04 PM	SW846 5030B	SW846 8260B
Benzene	< 1.0	1.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B
Chloroethane	< 1.0	1.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B
Chloroform	1.3	1.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B
Chloromethane	< 1.0	1.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B
Methylene Chloride	< 1.0	1.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	12	1.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B
Trichloroethene	13	1.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	< 1.0	1.0	1	ug/L		09/27/07 3:04 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	89	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	101	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	100	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : SW-202

Matrix Type : WATER
Collection Date : 09/19/07
Report Date : 10/25/07
Lab Sample Number : 888812-017

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	420		2.0	2	ug/L		10/23/07 02:11 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	2.4	B	4.0	1	mg/L		10/02/07 07:53 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/02/07 01:47 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 3:28 PM Anl By: SMT

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0		1.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0		1.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0		1.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0		1.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L	*	09/27/07 3:28 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0		1.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B
Tetrachloroethene		0.96	J	1.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0		1.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0		1.0	1	ug/L		09/27/07 3:28 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	87	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	97	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : A-7

Matrix Type : WATER
Collection Date : 09/20/07
Report Date : 10/25/07
Lab Sample Number : 888812-018

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	4300	2.0	2	ug/L		10/23/07 02:17 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	5.3	4.0	1	mg/L		10/02/07 08:05 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/02/07 01:47 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 3:51 PM Anl By: SMT

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	< 1.0	1.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	1.2	1.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B
2-Butanone	< 5.0	5.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B
Acetone	7.6	5.0	1	ug/L	*	09/27/07 3:51 PM	SW846 5030B	SW846 8260B
Benzene	< 1.0	1.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B
Chloroethane	< 1.0	1.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B
Chloroform	< 1.0	1.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B
Chloromethane	< 1.0	1.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	5.8	1.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B
Methylene Chloride	< 1.0	1.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	0.97 J	1.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B
Trichloroethene	3.6	1.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	3.0	1.0	1	ug/L		09/27/07 3:51 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	88	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	101	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	100	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : A-4

Matrix Type : WATER
Collection Date : 09/20/07
Report Date : 10/25/07
Lab Sample Number : 888812-019

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	3200	2.0	2	ug/L		10/23/07 02:23 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	4.2	4.0	1	mg/L		10/02/07 08:17 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/02/07 01:47 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 4:15 PM Anl By: SMT

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane		0.70	J	1.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0		1.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0		1.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane		1.1		1.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L	*	09/27/07 4:15 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0		1.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		3.3		1.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B
Tetrachloroethene		4.2		1.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B
Trichloroethene		8.1		1.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B
Vinyl Chloride		0.67	J	1.0	1	ug/L		09/27/07 4:15 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	89	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	101	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	99	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : A-2

Matrix Type : WATER
Collection Date : 09/20/07
Report Date : 10/25/07
Lab Sample Number : 888812-020

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	5800	2.0	2	ug/L		10/23/07 02:41 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	4.1	4.0	1	mg/L		10/02/07 08:29 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/02/07 01:47 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 4:38 PM Anl By: SMT

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	< 1.0	1.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	0.87 J	1.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B
2-Butanone	< 5.0	5.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B
Acetone	< 5.0	5.0	1	ug/L	*	09/27/07 4:38 PM	SW846 5030B	SW846 8260B
Benzene	< 1.0	1.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B
Chloroethane	< 1.0	1.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B
Chloroform	1.5	1.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B
Chloromethane	< 1.0	1.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	3.5	1.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B
Methylene Chloride	< 1.0	1.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	9.5	1.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B
Trichloroethene	20	1.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	3.2	1.0	1	ug/L		09/27/07 4:38 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	87	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	101	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	99	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 888812

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : BW-201

Matrix Type : WATER
Collection Date : 09/21/07
Report Date : 10/25/07
Lab Sample Number : 888812-021

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	10	1.0	1	ug/L	A	10/23/07 01:35 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/02/07 08:20 AM	Anl By: DLB	
Sulfate	6.8	4.0	1	mg/L		10/02/07 08:42 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/02/07 01:47 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 09/27/07 2:40 AM Anl By: JJB

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0		1.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0		1.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0		1.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0		1.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
Acetone		3.5	J	5.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
Chloroform	<	1.0		1.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0		1.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
Trichloroethene		0.63	J	1.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0		1.0	1	ug/L		09/27/07 2:40 AM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	76	64	132	1	%	09/27/07	SW846 5030B	SW846 8260B
Toluene-d8	87	73	127	1	%	09/27/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	93	68	122	1	%	09/27/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
888812-	M-MN-D	All Samples	A - Analyte is detected in the method blank at a concentration of 0.66 ug/L.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the CCV standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	888812-001	888812-002	888812-003	888812-004	888812-005	888812-006	888812-007	888812-008	888812-009	888812-010	888812-011	888812-012	888812-013	888812-014	888812-015	888812-016	888812-017	888812-018	888812-019	888812-020	888812-021
MANGANESE - DISSOLVED	B	B	B	B	B	B	B	B	B	B		B	B	B	B	B	B	B	B	B	B
SULFATE	B	B	B	B	B	B	B	B	B	B		B	B	B	B	B	B	B	B	B	B
VOLATILES - SPECIAL LIST	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G

Code	SC Certification
B	83006001
G	83006001

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 888812
Lab Section: METALS
QC Batch Number: 25271
Prep Method: SW846 3020A
Analytical Method: SW846 6020

QC Type	Client Sample ID	Lab Sample ID
MB	MBDMTG2288-80	MBDMTG2288-80
LCS	LCSDMTG2288-80	LCSDMTG2288-80
MS	SW-3MS	888812-001MS
MSD	SW-3MSD	888812-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
SW-3	888812-001	MB	SW-4	888812-002	MB
SW-109	888812-003	MB	SW-103	888812-004	MB
SW-106	888812-005	MB	SW-104	888812-006	MB
A-5	888812-007	MB	MW2-1	888812-008	MB
MW2-2	888812-009	MB	A-6	888812-010	MB
A-3	888812-012	MB	SW-101	888812-013	MB
SW-102	888812-014	MB	SW-201	888812-015	MB
SW-108	888812-016	MB	SW-202	888812-017	MB
A-7	888812-018	MB	A-4	888812-019	MB
A-2	888812-020	MB	BW-201	888812-021	MB

Test Name	Method Blank Result		Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Manganese - Dissolved	J		0.66	200.00	197.6	98.8		--	--	--		--		75	125	20	888812-001		2112.0	200.00	2162	25.0	+	200.00	2176	32.0	+	0.6		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/25/2007
QC Batch Number: 25271

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 888812
Lab Section: VOA
QC Batch Number: 25019
Prep Method: SW846 5030B
Analytical Method: SW846 8260B

QC Type	Client Sample ID	Lab Sample ID
MB	vog2306-39MB	vog2306-39MB
LCS	vog2306-39LCS	vog2306-39LCS
LCSD	vog2306-39LCSD	vog2306-39LCSD
MS	MW2-1MS	888812-008MS
MSD	MW2-1MSD	888812-008MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
SW-3	888812-001	MB	SW-4	888812-002	MB
SW-109	888812-003	MB	SW-103	888812-004	MB
SW-106	888812-005	MB	SW-104	888812-006	MB
A-5	888812-007	MB	MW2-1	888812-008	MB
MW2-2	888812-009	MB	A-6	888812-010	MB
TBLK-07301	888812-011	MB	A-3	888812-012	MB
SW-101	888812-013	MB	SW-102	888812-014	MB
SW-201	888812-015	MB	SW-108	888812-016	MB
SW-202	888812-017	MB	A-7	888812-018	MB
A-4	888812-019	MB	A-2	888812-020	MB

Test Name	Method Blank Result		Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD		LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result		Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD		C	MS/MSD Control Limits LCL %	UCL %	RPD %
1,1,1-Trichloroethane	<	0.9		50.0	50.5	101		50.0	49.5	99		2.0		75	128	20	888812-008	<	0.9		50.0	49.7	99		50.0	49.4	99		0.5			70	130	30
1,1,2-Trichloroethane	<	0.42		50.0	53.4	107		50.0	52.2	104		2.2		75	125	20	888812-008	<	0.42		50.0	52.4	105		50.0	51.9	104		1.0			70	130	30
1,1-Dichloroethane	<	0.75		50.0	53	106		50.0	53	106		0.2		71	130	20	888812-008	<	0.75		50.0	52.6	105		50.0	53.2	106		1.3			70	130	30
1,1-Dichloroethene	<	0.57		50.0	48	96		50.0	48	96		0.1		75	125	20	888812-008	<	0.57		50.0	46.7	93		50.0	46.5	93		0.4			70	135	30
1,2-Dichloroethane	<	0.36		50.0	50.4	101		50.0	49.5	99		1.8		71	132	20	888812-008		0.806		50.0	49.8	98		50.0	49	96		1.6			70	130	30
2-Butanone	<	4.3		50.0	57.5	115		50.0	51.4	103		11.3		59	130	20	888812-008	<	4.3		50.0	49	98		50.0	47.4	95		3.2			51	130	30
Acetone	<	2.3		50.0	61.8	124		50.0	49.6	99		21.9	*	31	150	20	888812-008	<	2.3		50.0	48.3	97		50.0	43.2	86		11.2			42	132	30
Benzene	<	0.41		50.0	54.3	109		50.0	52.8	106		2.7		75	125	20	888812-008	<	0.41		50.0	53.2	106		50.0	52.4	105		1.4			70	130	30
Chloroethane	<	0.97		50.0	47.2	94		50.0	46	92		2.6		72	126	20	888812-008	<	0.97		50.0	46.2	92		50.0	45.5	91		1.6			67	138	30
Chloroform	<	0.37		50.0	50.6	101		50.0	48.6	97		4.1		75	125	20	888812-008	<	0.37		50.0	50	100		50.0	48.8	98		2.4			70	130	30
Chloromethane	<	0.24		50.0	50.7	101		50.0	50.9	102		0.5		46	143	20	888812-008	<	0.24		50.0	51.7	103		50.0	50.7	101		2.0			43	150	30
cis-1,2-Dichloroethene	<	0.83		50.0	54.3	109		50.0	53.6	107		1.3		75	125	20	888812-008	<	0.83		50.0	52.5	105		50.0	52.6	105		0.0			70	130	30
Methylene Chloride	<	0.43		50.0	47.1	94		50.0	45.9	92		2.6		75	125	20	888812-008	<	0.43		50.0	46.7	93		50.0	45.8	92		2.0			70	130	30
Tetrachloroethene	<	0.45		50.0	54.4	109		50.0	54	108		0.6		75	130	20	888812-008	<	0.45		50.0	53	106		50.0	52.7	105		0.5			70	130	30
trans-1,2-Dichloroethene	<	0.89		50.0	54.2	108		50.0	52.2	104		3.7		75	125	20	888812-008	<	0.89		50.0	52.2	104		50.0	52.1	104		0.1			70	130	30
Trichloroethene	<	0.48		50.0	53	106		50.0	52.8	106		0.4		75	125	20	888812-008	<	0.48		50.0	52.9	106		50.0	51	102		3.5			70	130	30
Vinyl Chloride	<	0.18		50.0	51.2	102		50.0	50.4	101		1.5		65	130	20	888812-008	<	0.18		50.0	49.8	100		50.0	47.7	95		4.3			62	138	30

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/25/2007
QC Batch Number: 25019

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
4-Bromofluorobenzene	91%	—	—	96		—	—	97		—		64	132	—	888812-008	89%	—	—	95		—	—	95		—		64	132	—
Toluene-d8	101%	—	—	101		—	—	103		—		73	127	—	888812-008	100%	—	—	104		—	—	102		—		73	127	—
Dibromofluoromethane	95%	—	—	93		—	—	94		—		68	122	—	888812-008	96%	—	—	93		—	—	94		—		68	122	—

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/25/2007
QC Batch Number: 25019

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 888812
Lab Section: VOA
QC Batch Number: 25074
Prep Method: SW846 5030B
Analytical Method: SW846 8260B

QC Type	Client Sample ID	Lab Sample ID
MB	vog2306-44MB	vog2306-44MB
LCS	vog2306-44LCS	vog2306-44LCS
LCSD	vog2306-44LCSD	vog2306-44LCSD
MS	888885-003MS	888885-003MS
MSD	888885-003MSD	888885-003MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
BW-201	888812-021	MB			

Test Name		Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
1,1,1-Trichloroethane	<	0.9	50.0	53.2	106		50.0	55.7	111		4.7		75	128	20	888885-003	<	0.9	50.0	55.2	110		50.0	54.6	109		1.1		70	130	30
1,1,2-Trichloroethane	<	0.42	50.0	49.6	99		50.0	50.9	102		2.7		75	125	20	888885-003	<	0.42	50.0	51.7	103		50.0	50.4	101		2.6		70	130	30
1,1-Dichloroethane	<	0.75	50.0	55.4	111		50.0	57.6	115		4.0		71	130	20	888885-003	<	0.75	50.0	57.6	115		50.0	56.9	114		1.2		70	130	30
1,1-Dichloroethene	<	0.57	50.0	52.7	105		50.0	55.1	110		4.5		75	125	20	888885-003	<	0.57	50.0	54	108		50.0	53	106		1.8		70	135	30
1,2-Dichloroethane	<	0.36	50.0	54.8	110		50.0	55.4	111		1.0		71	132	20	888885-003	<	0.36	50.0	56.3	113		50.0	56.4	113		0.2		70	130	30
2-Butanone	<	4.3	50.0	55.5	111		50.0	58.1	116		4.6		59	130	20	888885-003	<	4.3	50.0	49.7	99		50.0	48.9	98		1.5		51	130	30
Acetone	<	2.3	50.0	64.6	129		50.0	59.2	118		8.7		31	150	20	888885-003		2.87	50.0	47.7	90		50.0	48.8	92		2.3		42	132	30
Benzene	<	0.41	50.0	53.4	107		50.0	54.5	109		2.0		75	125	20	888885-003	<	0.41	50.0	56.2	112		50.0	55	110		2.1		70	130	30
Chloroethane	<	0.97	50.0	54.2	108		50.0	55.7	111		2.7		72	126	20	888885-003	<	0.97	50.0	56.4	113		50.0	56.9	114		1.0		67	138	30
Chloroform	<	0.37	50.0	52.6	105		50.0	53.3	107		1.4		75	125	20	888885-003	<	0.37	50.0	54.1	108		50.0	53.2	106		1.7		70	130	30
Chloromethane	<	0.24	50.0	57.4	115		50.0	57.7	115		0.5		46	143	20	888885-003		2.83	50.0	61	116		50.0	60.6	116		0.7		43	150	30
cis-1,2-Dichloroethene	<	0.83	50.0	50.8	102		50.0	51.6	103		1.6		75	125	20	888885-003	<	0.83	50.0	52.4	105		50.0	51.7	103		1.4		70	130	30
Methylene Chloride	<	0.43	50.0	52.5	105		50.0	53.7	107		2.2		75	125	20	888885-003		0.836	50.0	55.6	109		50.0	53.6	106		3.5		70	130	30
Tetrachloroethene	<	0.45	50.0	52.5	105		50.0	51	102		2.9		75	130	20	888885-003	<	0.45	50.0	52.6	105		50.0	50.9	102		3.2		70	130	30
trans-1,2-Dichloroethene	<	0.89	50.0	52.3	105		50.0	54.4	109		4.0		75	125	20	888885-003	<	0.89	50.0	53.9	108		50.0	52.9	106		1.7		70	130	30
Trichloroethene	<	0.48	50.0	53	106		50.0	55.3	111		4.3		75	125	20	888885-003	<	0.48	50.0	55.4	111		50.0	53.7	107		3.2		70	130	30
Vinyl Chloride	<	0.18	50.0	54.4	109		50.0	55.3	111		1.7		65	130	20	888885-003	<	0.18	50.0	55.3	111		50.0	55.3	111		0.1		62	138	30
4-Bromofluorobenzene		78%	—	—	84		—	—	82		—		64	132	—	888885-003		73%	—	—	82		—	—	80		—		64	132	—
Toluene-d8		87%	—	—	92		—	—	91		—		73	127	—	888885-003		77%	—	—	87		—	—	85		—		73	127	—
Dibromofluoromethane		88%	—	—	91		—	—	89		—		68	122	—	888885-003		95%	—	—	93		—	—	89		—		68	122	—

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/25/2007
QC Batch Number: 25074

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 888812
Lab Section: WETCHEM
QC Batch Number: 25293
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	MW-14BMB	WCG2308-031MB
LCS	MW-14BLCS	WCG2308-031MBLCS
MS	A-6MS	888812-010MS
MS	888806-001MS	888806-001MS
MSD	A-6MSD	888812-010MSD
MSD	888806-001MSD	888806-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
SW-3	888812-001	MB	SW-4	888812-002	MB
SW-109	888812-003	MB	SW-103	888812-004	MB
SW-106	888812-005	MB	SW-104	888812-006	MB
A-5	888812-007	MB	MW2-1	888812-008	MB
MW2-2	888812-009	MB	A-6	888812-010	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Sulfate	<	0.51	—	—	—		—	—	—		—		—	—	—	888806-001	50.9	16.0	66.4	96.9		16.0	66.8	99.5		0.0		90	110	20
Sulfate	<	0.51	—	—	—		—	—	—		—		—	—	—	888806-001	0.00	16.0	66.4	96.9		16.0	66.8	99.5		0.0		90	110	20
Sulfate	<	0.51	—	—	—		—	—	—		—		—	—	—	888806-001	0.0	16	66.4	96.9		16	66.8	99.5		0.0		90	110	20
Sulfate	<	0.51	—	—	—		—	—	—		—		—	—	—	888812-010	4.54	16.0	17.8	82.9	N	16.0	18.3	85.8	N	2.6		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
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Report Date: 10/25/2007
QC Batch Number: 25293

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 888812
Lab Section: WETCHEM
QC Batch Number: 25294
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2308-032MB	WCG2308-032MB
LCS	WCG2308-032MBLCS	WCG2308-032MBLCS
MS	888830-010MS	888830-010MS
MS	A-3MS	888812-012MS
MSD	888830-010MSD	888830-010MSD
MSD	A-3MSD	888812-012MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
A-3	888812-012	MB	SW-101	888812-013	MB
SW-102	888812-014	MB	SW-201	888812-015	MB
SW-108	888812-016	MB	SW-202	888812-017	MB
A-7	888812-018	MB	A-4	888812-019	MB
A-2	888812-020	MB	BW-201	888812-021	MB

Test Name		Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Sulfate	<	0.51	16.0	14.5	90.6		--	--	--		--		90	110	20	888812-012		3.71	16.0	17.1	83.8	N	16.0	17.1	83.9	N	0.2		90	110	20
Sulfate	<	0.51	16.0	14.5	90.6		--	--	--		--		90	110	20	888830-010		25.1	16.0	40	93.0		16.0	40.2	94.4		0.5		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
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Report Date: 10/25/2007
QC Batch Number: 25294

CHAIN OF CUSTODY RECORD

888812 75631

RMT
30 Patewood Drive, Suite 100, Patewood Plaza One, Greenville, SC 29615-3535
Phone 864/281-0030 • Fax 864/281-0288

Project No. 71293.46 | Project/Client: Medley Farm

Project Manager/Contact Person: S. Webb / P. Ressmeyer

Lab No.	Yr. 07 Date	Time	Sample Station ID	Total Number of Containers	MATRIX	VOCs	Diss. Manganese	Sulfate						Comments:
Filtered (Yes/No)						N	Y	N						
Preserved (Code)						E	B	A						
011	—	—	TBLK-07301	2	DI	X								2-40mL All Diss. Manganese
012	9/19	1230	A-3	5	GW	X	X	X						↑ field filtered
013		1000	SW-101	5		X	X	X						2-250 mL Poly, 3-40mL
014		1100	SW-102	5		X	X	X						
015		1205	SW-201	5		X	X	X						
016		1450	SW-108	5		X	X	X						
017		1545	SW-202	5		X	X	X						
018	9/20	1215	A-7	5		X	X	X						
019		1455	A-4	5		X	X	X						
020		1710	A-2	5		X	X	X						

PRESERVED CODES
A — NONE
B — HNO_3
C — H_2SO_4
D — NaOH
E — HCl
F — METHANOL
G — _____

SPECIAL INSTRUCTIONS

8596-8071-8421

SAMPLER Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	9-21-07	FedEx	9-21-07
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
FedEx	9/22/07 900	[signature]	9/22 900
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time

HAZARDS ASSOCIATED WITH SAMPLES
- ☐ Flammable
- ☐ Corrosive
- ☐ Highly Toxic
- ☐ Other (list) _____

Turn Around (circle one) Normal Rush
Report Due _____

(For Lab Use Only)
Receipt Temp: 3.0
Temp Blank (Y) N
Receipt pH (Wet/Metals): OK

Custody Seal: (Present) Absent (Intact) Not Intact Seal #s

F-2 (5/04) WHITE—LABORATORY COPY YELLOW—REPORT APPENDIX PINK— ER/SUBMITTER

RMT

CHAIN OF CUSTODY RECORD

vKLJ 888812 75632

30 Patewood Drive, Suite 100, Patewood Plaza One, Greenville, SC 29615-3535
Phone 864/281-0030 • Fax 864/281-0288

Project No. 71243.46 Project/Client: Medley Farm

Project Manager/Contact Person: S. Webb / P. Ressmeyer

Filtered (Yes/No): N Y N
Preserved (Code): E B A

PRESERVED CODES
A — NONE
B — HNO_3
C — H_2SO_4
D — NaOH
E — HCl
F — METHANOL
G — _____

Lab No.	Yr. 07 Date	Time	Sample Station ID	Total Number of Containers	MATRIX	Analyses Requested: VOCs	Diss. Manganese	Sulfate						Comments:
001	9/20	1120	SW-3	5	GW	X	X	X						All Diss. Manganese
002		1020	SW-4	5		X	X	X						field filtered
003		1225	SW-109	5		X	X	X						
004		1415	SW-103	5		X	X	X						2-250 mL P, 3-40 mL
005		1510	SW-106	5		X	X	X						
006		1600	SW-104	5		X	X	X						
007	9/21	1105	A-5	5		X	X	X						
008		1050	MW2-1	5		X	X	X						
009		1220	MW2-2	5		X	X	X						
010		1345	A-6	5		X	X	X						

SPECIAL INSTRUCTIONS

SAMPLER Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	9-21-07	Fed Ex	9-21-07
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
FED EX	9/22 900	[signature]	9/22 900
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time

HAZARDS ASSOCIATED WITH SAMPLES
- ☐ Flammable
- ☐ Corrosive
- ☐ Highly Toxic
- ☐ Other (list)

Turn Around (circle one) Normal Rush
Report Due _____

(For Lab Use Only)
Receipt Temp: 3.0
Temp Blank (Y) N
Receipt pH (Wet/Metals) OK

Custody Seal: (Present)/Absent (Intact)/Not Intact Seal #s

F-268 (6/04)

WHITE—LABORATORY COPY YELLOW—REPORT APPENDIX PINK—SAMPLER/SUBMITTER

888812 75633

CHAIN OF CUSTODY RECORD

RMT

30 Patewood Drive, Suite 100, Patewood Plaza One, Greenville, SC 29615-3535
Phone 864/281-0030 • Fax 864/281-0288

Project No. 71243.46 | Project/Client: Medley Farm

Project Manager/Contact Person: S. Webb / P. Ressmeyer

Filtered (Yes/No): N Y N
Preserved (Code): E B A

PRESERVED CODES
A — NONE
B — HNO_3
C — H_2SO_4
D — NaOH
E — HCl
F — METHANOL
G — _____

Lab No.	Yr. 07 Date	Time	Sample Station ID	Total Number of Containers	MATRIX	Analyses Requested: VOCs	Diss. Manganese	Sulfate						Comments:
021	9/21	1420	BW-201	5	GW	X	X	X				2-250 mL Poly		Diss. Manganese
												3-40 mL		field filtered

SPECIAL INSTRUCTIONS

SAMPLER Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	9-21-07	FedEx	9-21-07
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
FED EX	9/22/07 900	[signature]	9/22 900
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time

HAZARDS ASSOCIATED WITH SAMPLES
- ☐ Flammable
- ☐ Corrosive
- ☐ Highly Toxic
- ☐ Other (list) _____

Turn Around (circle one) Normal Rush
Report Due _____

(For Lab Use Only)
Receipt Temp: 3.0
Temp Blank (Y) N
Receipt pH (Wet/Metals) OK

Custody Seal: Present/Absent Intact/Not Intact Seal #s

F-[illegible] '6/04)

WHITE—LABORATORY COPY YELLOW—REPORT APPENDIX PINK- [illegible]LER/SUBMITTER

Sample Condition Upon Receipt

Pace Analytical

Client Name: RMT Project # 888812

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

Tracking #: 8596 8071 8421

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

Optional: Proj. Due Date: Proj. Name:

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

Thermometer Used JB Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 3.0°C Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 9/22/07 KJL

Temp should be above freezing to 6°C

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.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☐Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☑Yes	☐No	☐N/A	11.
Sample Labels match COC:	☐Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W				
All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes	☐No	☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed KJL / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☑Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): _____				

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 9/24/07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 889195

Client: RMT - GREENVILLE
Lab Contact: Tod Noltemeyer
Project Name: MEDLEY FARM
Project Number: 71243.46

Lab Sample Number	Field ID	Matrix	Collection Date
889195-001	TBLK-07302	WATER	09/24/07
889195-002	TBLK-07303	WATER	09/24/07
889195-003	A-1	WATER	09/24/07 11:10
889195-004	MW4-2	WATER	09/24/07 10:35
889195-005	MW4-1	WATER	09/24/07 11:30
889195-006	B-1	WATER	09/24/07 13:35
889195-007	MW-3D	WATER	09/24/07 14:25
889195-008	B-2	WATER	09/24/07 16:30
889195-009	BW-202	WATER	09/24/07 15:40
889195-010	DU-07301	WATER	09/24/07
889195-011	B-3	WATER	09/25/07 11:20
889195-012	B-4	WATER	09/25/07 11:10
889195-013	DP3-1	WATER	09/25/07 15:20
889195-014	DP3-2	WATER	09/25/07 15:40
889195-015	DP-2-1	WATER	09/26/07 10:35
889195-016	BW-4	WATER	09/26/07 10:35
889195-017	BW-3	WATER	09/26/07 13:35
889195-018	BW-105	WATER	09/26/07 13:40
889195-019	BW-110	WATER	09/26/07 15:25
889195-020	DU-07302	WATER	09/26/07
889195-021	BW-109	WATER	09/26/07 15:10
889195-022	BW-108	WATER	09/27/07 11:00
889195-023	MLW-1-1	WATER	09/27/07 11:10
889195-024	MLW-1-2	WATER	09/27/07 13:30
889195-025	MLW-1-3	WATER	09/27/07 14:10
889195-026	MLW-1-4	WATER	09/27/07 14:30
889195-027	BW-106	WATER	09/27/07 14:40
889195-028	MLW-3-2	WATER	09/27/07 15:00
889195-029	MLW-3-3	WATER	09/27/07 15:20
889195-030	DU-07303	WATER	09/27/07
889195-031	MLW-3-4	WATER	09/27/07 16:00
889195-032	BW-1	WATER	09/28/07 10:30
889195-033	SW-1	WATER	09/28/07 10:00
889195-034	BW-2	WATER	09/28/07 11:40
889195-035	MLW-1-4	WATER	09/28/07 09:20
889195-036	FBLK-07301	WATER	09/28/07 11:15
889195-037	RBLK-07301	WATER	09/28/07 15:30

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

QC
- HT, temp, COC, pres, methods, dil, GC
- TBLK, FBLK, RBLK
level 2 QC

Due to MSMSD recovery, low all sulfate hits should be flagged "j-" and all ND's flagged "uj".

REPORT OF LABORATORY ANALYSIS

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ACCREDITED IN ACCORDANCE WITH nelac

Approval Signature

Date 11/7/07

Due to MBLK detect, ~~Mg for~~ Mn for BW-1, 4, 106, 109 should be flagged "u" as an unconfirm detection.

MSMSD= MLW-1-1 A-1 ...

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : TBLK-07302

Matrix Type : WATER
Collection Date : 09/24/07
Report Date : 11/07/07
Lab Sample Number : 889195-001

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 10:11 AM **Anl By:** JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L	*	10/05/07 10:11 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		10/05/07 10:11 AM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	74	64	132	1	%		10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	88	73	127	1	%		10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	97	68	122	1	%		10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : TBLK-07303

Matrix Type : WATER
Collection Date : 09/24/07
Report Date : 11/07/07
Lab Sample Number : 889195-002

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 10:35 AM **Anl By:** JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L	*	10/05/07 10:35 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		10/05/07 10:35 AM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	70	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	87	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	98	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : A-1

Matrix Type : WATER
Collection Date : 09/24/07
Report Date : 11/07/07
Lab Sample Number : 889195-003

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	4300	20	20	ug/L		11/06/07 10:25 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	4.8	4.0	1	mg/L		10/09/07 02:40 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/09/07 03:01 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 10:58 AM Anl By: JJB

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0		1.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane		3.3		1.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B
Chloroform	<	1.0		1.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L	*	10/05/07 10:58 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		4.7		1.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B
Tetrachloroethene		0.89	J	1.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B
Trichloroethene		4.1		1.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B
Vinyl Chloride		6.0		1.0	1	ug/L		10/05/07 10:58 AM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	70	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	86	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	98	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : MW4-2

Matrix Type : WATER
Collection Date : 09/24/07
Report Date : 11/07/07
Lab Sample Number : 889195-004

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	4700		10	10	ug/L		11/06/07 10:43 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	3.9	B	4.0	1	mg/L		10/09/07 03:17 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:01 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 9:48 AM Anl By: JJB

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0		1.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane		2.0		1.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B
Chloroform	<	1.0		1.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L	*	10/05/07 9:48 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		1.0		1.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0		1.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B
Trichloroethene		0.79	J	1.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B
Vinyl Chloride		6.3		1.0	1	ug/L		10/05/07 9:48 AM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	72	64	132	1	%		10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	87	73	127	1	%		10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	96	68	122	1	%		10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : MW4-1

Matrix Type : WATER
Collection Date : 09/24/07
Report Date : 11/07/07
Lab Sample Number : 889195-005

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	520	2.0	2	ug/L		11/07/07 10:48 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	17	4.0	1	mg/L		10/09/07 03:29 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/09/07 03:01 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 11:22 AM Anl By: JJB

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0		1.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane		0.54	J	1.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
Chloroform	<	1.0		1.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0		1.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0		1.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B
Vinyl Chloride		0.99	J	1.0	1	ug/L		10/05/07 11:22 AM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	70	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	88	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	100	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : B-1

Matrix Type : WATER
Collection Date : 09/24/07
Report Date : 11/07/07
Lab Sample Number : 889195-006

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	1600		2.0	2	ug/L		11/07/07 11:06 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM		Anl By: MSB
Sulfate	2.8	B	4.0	1	mg/L		10/09/07 03:41 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:01 PM		Anl By: GLH

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 11:45 AM Anl By: JJB

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0		1.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene		1.7		1.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane		0.69	J	1.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B
Chloroform		1.0		1.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L	*	10/05/07 11:45 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		4.8		1.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B
Tetrachloroethene		3.8		1.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B
Trichloroethene		11		1.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B
Vinyl Chloride		0.43	J	1.0	1	ug/L		10/05/07 11:45 AM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL						
4-Bromofluorobenzene	71	64	132	1	%		10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	87	73	127	1	%		10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	99	68	122	1	%		10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : MW-3D

Matrix Type : WATER
Collection Date : 09/24/07
Report Date : 11/07/07
Lab Sample Number : 889195-007

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	3400	2.0	2	ug/L		11/07/07 11:12 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	4.3	4.0	1	mg/L		10/09/07 04:18 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/09/07 03:01 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 12:08 PM Anl By: JJB

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane		7.9		1.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane		2.2		1.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene		3.2		1.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane		4.8		1.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B
Benzene		0.41	J	1.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B
Chloroform		0.79	J	1.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L	*	10/05/07 12:08 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		100		1.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B
Tetrachloroethene		11		1.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene		5.9		1.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B
Trichloroethene		94		1.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B
Vinyl Chloride		90		1.0	1	ug/L		10/05/07 12:08 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	71	64	132	1	%		10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	84	73	127	1	%		10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	97	68	122	1	%		10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : B-2

Matrix Type : WATER
Collection Date : 09/24/07
Report Date : 11/07/07
Lab Sample Number : 889195-008

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	420		2.0	2	ug/L		11/07/07 11:18 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	4.0	B	4.0	1	mg/L		10/09/07 04:30 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:01 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 12:32 PM Anl By: JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane		1.8	1.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane		4.2	1.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane		2.4	1.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene		15	1.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane		1.6	1.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B
Chloroform		3.4	1.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L	*	10/05/07 12:32 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		45	1.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B
Tetrachloroethene		22	1.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene		2.1	1.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B
Trichloroethene		140	1.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B
Vinyl Chloride		1.7	1.0	1	ug/L		10/05/07 12:32 PM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	76	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	87	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	95	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : BW-202

Matrix Type : WATER
Collection Date : 09/24/07
Report Date : 11/07/07
Lab Sample Number : 889195-009

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	4.8	1.0	1	ug/L	A	11/07/07 11:24 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/23/07 08:20 AM		Anl By: MSB
Sulfate	5.8	4.0	1	mg/L		10/09/07 04:42 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/09/07 03:01 PM		Anl By: GLH

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 1:42 PM Anl By: JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B
Acetone		6.6	5.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L	*	10/05/07 1:42 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B
Tetrachloroethene		6.8	1.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B
Trichloroethene		3.8	1.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		10/05/07 1:42 PM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	68	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	85	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	98	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : DU-07301

Matrix Type : WATER
Collection Date : 09/24/07
Report Date : 11/07/07
Lab Sample Number : 889195-010

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	1600		2.0	2	ug/L		11/07/07 11:30 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	2.8	B	4.0	1	mg/L		10/09/07 04:54 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:01 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 2:06 PM Anl By: JJB

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0		1.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene		1.6		1.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane		0.65	J	1.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B
Chloroform		1.1		1.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L	*	10/05/07 2:06 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		4.6		1.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B
Tetrachloroethene		3.7		1.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B
Trichloroethene		11		1.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B
Vinyl Chloride		0.38	J	1.0	1	ug/L		10/05/07 2:06 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	72	64	132	1	%		10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	87	73	127	1	%		10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	98	68	122	1	%		10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : B-3

Matrix Type : WATER
Collection Date : 09/25/07
Report Date : 11/07/07
Lab Sample Number : 889195-011

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	2800	10	10	ug/L		11/07/07 11:36 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	5.1	4.0	1	mg/L		10/09/07 05:07 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/09/07 03:01 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 5:36 PM Anl By: JJB

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	2.5	2.0	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	9.0	2.0	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	4.3	2.0	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	4.5	2.0	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	130	2.0	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
2-Butanone	< 10	10	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
Acetone	< 10	10	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
Benzene	< 2.0	2.0	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
Chloroethane	< 2.0	2.0	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
Chloroform	0.85 J	2.0	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
Chloromethane	< 2.0	2.0	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	200	2.0	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
Methylene Chloride	< 2.0	2.0	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	2.4	2.0	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	9.9	2.0	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
Trichloroethene	35	2.0	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	100	2.0	2	ug/L		10/05/07 5:36 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	68	64	132	2	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	85	73	127	2	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	96	68	122	2	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : B-4

Matrix Type : WATER
Collection Date : 09/25/07
Report Date : 11/07/07
Lab Sample Number : 889195-012

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	2800		2.0	2	ug/L		11/07/07 11:42 AM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM		Anl By: MSB
Sulfate	2.2	B	4.0	1	mg/L		10/09/07 05:19 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:01 PM		Anl By: GLH

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 2:29 PM Anl By: JJB

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane		9.7		1.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene		4.2		1.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane		2.9		1.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0		1.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L	*	10/05/07 2:29 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		4.5		1.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0		1.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene		0.92	J	1.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B
Trichloroethene		3.6		1.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B
Vinyl Chloride		13		1.0	1	ug/L		10/05/07 2:29 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	72	64	132	1	%		10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	81	73	127	1	%		10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	98	68	122	1	%		10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : DP3-1

Matrix Type : WATER
Collection Date : 09/25/07
Report Date : 11/07/07
Lab Sample Number : 889195-013

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	3200	10	10	ug/L		11/07/07 11:48 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/23/07 08:20 AM		Anl By: MSB
Sulfate	5.0	4.0	1	mg/L		10/10/07 01:20 PM	EPA 300.0	EPA 300.0
						Prep Date/Time:		Anl By: GLH

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 6:00 PM Anl By: JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	2.5	2.5	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane		17	2.5	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane		5.0	2.5	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	2.5	2.5	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane		110	2.5	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
2-Butanone	<	12	12	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
Acetone	<	12	12	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
Benzene	<	2.5	2.5	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
Chloroethane	<	2.5	2.5	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
Chloroform	<	2.5	2.5	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
Chloromethane	<	2.5	2.5	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		120	2.5	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	2.5	2.5	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	2.5	2.5	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene		7.5	2.5	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
Trichloroethene		2.5	2.5	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B
Vinyl Chloride		100	2.5	2.5	ug/L		10/05/07 6:00 PM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL					
4-Bromofluorobenzene	70	64	132	2.5	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	84	73	127	2.5	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	93	68	122	2.5	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : DP3-2

Matrix Type : WATER
Collection Date : 09/25/07
Report Date : 11/07/07
Lab Sample Number : 889195-014

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	3200	2.0	2	ug/L		11/07/07 11:54 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/23/07 08:20 AM		Anl By: MSB
Sulfate	5.1	4.0	1	mg/L		10/10/07 01:35 PM	EPA 300.0	EPA 300.0
						Prep Date/Time:		Anl By: GLH

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/08/07 8:30 AM Anl By: JJB

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	< 5.0	5.0	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	13	5.0	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	4.0 J	5.0	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 5.0	5.0	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	450	5.0	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B
2-Butanone	< 25	25	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B
Acetone	< 25	25	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B
Benzene	< 5.0	5.0	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B
Chloroethane	< 5.0	5.0	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B
Chloroform	< 5.0	5.0	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B
Chloromethane	< 5.0	5.0	5	ug/L	*	10/08/07 8:30 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	280	5.0	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B
Methylene Chloride	< 5.0	5.0	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	< 5.0	5.0	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	15	5.0	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B
Trichloroethene	3.7 J	5.0	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	180	5.0	5	ug/L		10/08/07 8:30 AM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	71	64	132	5	%	10/08/07	SW846 5030B	SW846 8260B
Toluene-d8	86	73	127	5	%	10/08/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	94	68	122	5	%	10/08/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : DP-2-1

Matrix Type : WATER
Collection Date : 09/26/07
Report Date : 11/07/07
Lab Sample Number : 889195-015

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	2500	10	10	ug/L		11/07/07 12:01 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	5.2	4.0	1	mg/L		10/09/07 05:55 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/09/07 03:01 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 3:16 PM Anl By: JJB

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0		1.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene		0.59	J	1.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane		9.7		1.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B
Chloroform		2.4		1.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L	*	10/05/07 3:16 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		79		1.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B
Tetrachloroethene		61		1.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B
Trichloroethene		47		1.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B
Vinyl Chloride		8.4		1.0	1	ug/L		10/05/07 3:16 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	67	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	82	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	99	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

Analytical Report Number: 889195

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : BW-4

Matrix Type : WATER
Collection Date : 09/26/07
Report Date : 11/07/07
Lab Sample Number : 889195-016

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	0.89	B	1.0	1	ug/L	A	11/07/07 12:18 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM		Anl By: MSB
Sulfate	8.0		4.0	1	mg/L		10/09/07 06:07 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:01 PM		Anl By: GLH

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 3:39 PM Anl By: JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		10/05/07 3:39 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	72	64	132	1	%		10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	86	73	127	1	%		10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	99	68	122	1	%		10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : BW-3

Matrix Type : WATER
Collection Date : 09/26/07
Report Date : 11/07/07
Lab Sample Number : 889195-017

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	3.9	1.0	1	ug/L	A	11/07/07 12:24 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	5.2	4.0	1	mg/L		10/09/07 06:44 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/09/07 03:01 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 4:03 PM Anl By: JJB

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	< 1.0	1.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B
2-Butanone	< 5.0	5.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B
Acetone	< 5.0	5.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B
Benzene	< 1.0	1.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B
Chloroethane	< 1.0	1.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B
Chloroform	< 1.0	1.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B
Chloromethane	< 1.0	1.0	1	ug/L	*	10/05/07 4:03 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B
Methylene Chloride	< 1.0	1.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	< 1.0	1.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B
Trichloroethene	< 1.0	1.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	< 1.0	1.0	1	ug/L		10/05/07 4:03 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	70	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	87	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	100	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : BW-105

Matrix Type : WATER
Collection Date : 09/26/07
Report Date : 11/07/07
Lab Sample Number : 889195-018

INORGANICS

Test		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved		4.2		1.0	1	ug/L	A	11/07/07 12:30 PM	SW846 3020A	SW846 6020
								Prep Date/Time: 10/23/07 08:20 AM		Anl By: MSB
Sulfate	<	4.0		4.0	1	mg/L		10/09/07 06:56 PM	EPA 300.0	EPA 300.0
								Prep Date/Time: 10/09/07 03:01 PM		Anl By: GLH

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 4:26 PM Anl By: JJB

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0		1.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene		0.75	J	1.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0		1.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B
Chloroform		0.91	J	1.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L	*	10/05/07 4:26 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0		1.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0		1.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0		1.0	1	ug/L		10/05/07 4:26 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL						
4-Bromofluorobenzene	71	64	132	1	%		10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	83	73	127	1	%		10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	105	68	122	1	%		10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : BW-110

Matrix Type : WATER
Collection Date : 09/26/07
Report Date : 11/07/07
Lab Sample Number : 889195-019

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	21	1.0	1	ug/L		11/07/07 12:36 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	10	4.0	1	mg/L		10/09/07 07:08 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/09/07 03:01 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 4:49 PM Anl By: JJB

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0		1.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0		1.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B
Chloroform		0.39	J	1.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L	*	10/05/07 4:49 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0		1.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B
Trichloroethene		0.82	J	1.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0		1.0	1	ug/L		10/05/07 4:49 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	70	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	87	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	100	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : DU-07302

Matrix Type : WATER
Collection Date : 09/26/07
Report Date : 11/07/07
Lab Sample Number : 889195-020

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	3100	2.0	2	ug/L		11/07/07 12:42 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	5.0	4.0	1	mg/L		10/09/07 07:20 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/09/07 03:01 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 5:13 PM Anl By: JJB

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	1.3	1.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	17	1.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	5.0	1.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	1.1	1.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	110	1.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B
2-Butanone	< 5.0	5.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B
Acetone	< 5.0	5.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B
Benzene	0.50 J	1.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B
Chloroethane	< 1.0	1.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B
Chloroform	0.44 J	1.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B
Chloromethane	< 1.0	1.0	1	ug/L	*	10/05/07 5:13 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	130	1.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B
Methylene Chloride	< 1.0	1.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	0.68 J	1.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	6.7	1.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B
Trichloroethene	2.7	1.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	100	1.0	1	ug/L		10/05/07 5:13 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	68	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	85	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	94	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : BW-109

Matrix Type : WATER
Collection Date : 09/26/07
Report Date : 11/07/07
Lab Sample Number : 889195-021

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	1.0		1.0	1	ug/L	A	11/07/07 01:12 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	1.7	B	4.0	1	mg/L		10/09/07 07:57 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:05 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 11:10 AM Anl By: JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		10/05/07 11:10 AM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	96	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	98	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : BW-108

Matrix Type : WATER
Collection Date : 09/27/07
Report Date : 11/07/07
Lab Sample Number : 889195-022

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	270		2.0	2	ug/L		11/07/07 12:55 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	4.0	B	4.0	1	mg/L		10/09/07 08:09 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:05 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 2:03 PM Anl By: JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		3.9	1.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
Tetrachloroethene		3.1	1.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
Trichloroethene		7.3	1.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		10/05/07 2:03 PM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	97	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	98	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : MLW-1-1

Matrix Type : WATER
Collection Date : 09/27/07
Report Date : 11/07/07
Lab Sample Number : 889195-023

INORGANICS

Test		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved		50	1.0	1	ug/L		11/07/07 01:30 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	<	4.0	4.0	1	mg/L		10/09/07 08:21 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:05 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 2:27 PM Anl By: JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
2-Butanone		11	5.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
Acetone		6.1	5.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
Chloroform		2.0	1.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
Methylene Chloride		1.1	1.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B
Vinyl Chloride		0.23	J 1.0	1	ug/L		10/05/07 2:27 PM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	99	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	102	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : MLW-1-2

Matrix Type : WATER
Collection Date : 09/27/07
Report Date : 11/07/07
Lab Sample Number : 889195-024

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	56	1.0	1	ug/L	E	11/07/07 01:48 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	< 4.0	4.0	1	mg/L		10/09/07 09:22 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/09/07 03:05 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 2:50 PM Anl By: JJB

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	< 1.0	1.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
2-Butanone	9.8	5.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
Acetone	8.3	5.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
Benzene	< 1.0	1.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
Chloroethane	< 1.0	1.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
Chloroform	1.5	1.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
Chloromethane	< 1.0	1.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
Methylene Chloride	0.82 J	1.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	< 1.0	1.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
Trichloroethene	< 1.0	1.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	< 1.0	1.0	1	ug/L		10/05/07 2:50 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	97	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	100	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : MLW-1-3

Matrix Type : WATER
Collection Date : 09/27/07
Report Date : 11/07/07
Lab Sample Number : 889195-025

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Sulfate	160	40	10	mg/L		10/10/07 02:03 PM	EPA 300.0	EPA 300.0
						Prep Date/Time:		Anl By: GLH

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 3:14 PM Anl By: JJB

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane		0.76	J	1.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0		1.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
Acetone		50		5.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
Chloroform		2.1		1.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
Methylene Chloride		0.74	J	1.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0		1.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0		1.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0		1.0	1	ug/L		10/05/07 3:14 PM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	98	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	101	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : MLW-1-4

Matrix Type : WATER
Collection Date : 09/27/07
Report Date : 11/07/07
Lab Sample Number : 889195-026

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 3:37 PM **Anl By:** JJB

Analyte		Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0		1.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0		1.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0		1.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0		5.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0		5.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0		1.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0		1.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0		1.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0		1.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0		1.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0		1.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0		1.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
Trichloroethene		0.71	J	1.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0		1.0	1	ug/L		10/05/07 3:37 PM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	97	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	97	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : BW-106

Matrix Type : WATER
Collection Date : 09/27/07
Report Date : 11/07/07
Lab Sample Number : 889195-027

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	0.25	B	1.0	1	ug/L	A	11/07/07 02:00 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	2.6	B	4.0	1	mg/L		10/09/07 09:47 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:05 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 4:01 PM Anl By: JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		10/05/07 4:01 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	96	64	132	1	%		10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	103	73	127	1	%		10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	98	68	122	1	%		10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : MLW-3-2

Matrix Type : WATER
Collection Date : 09/27/07
Report Date : 11/07/07
Lab Sample Number : 889195-028

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 4:24 PM **Anl By:** JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		18	1.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		10/05/07 4:24 PM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	97	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	98	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : MLW-3-3

Matrix Type : WATER
Collection Date : 09/27/07
Report Date : 11/07/07
Lab Sample Number : 889195-029

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	2.0		1.0	1	ug/L	A	11/07/07 02:06 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	1.8	B	4.0	1	mg/L		10/09/07 09:59 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:05 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 4:48 PM Anl By: JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		28	1.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		10/05/07 4:48 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	96	64	132	1	%		10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%		10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	96	68	122	1	%		10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : DU-07303

Matrix Type : WATER
Collection Date : 09/27/07
Report Date : 11/07/07
Lab Sample Number : 889195-030

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	280	1.0	1	ug/L		11/07/07 02:12 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	4.1	4.0	1	mg/L		10/09/07 10:11 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/09/07 03:05 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 5:11 PM Anl By: JJB

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	< 1.0	1.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
2-Butanone	< 5.0	5.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
Acetone	< 5.0	5.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
Benzene	< 1.0	1.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
Chloroethane	< 1.0	1.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
Chloroform	< 1.0	1.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
Chloromethane	< 1.0	1.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	3.7	1.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
Methylene Chloride	< 1.0	1.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	2.9	1.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
Trichloroethene	6.9	1.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	< 1.0	1.0	1	ug/L		10/05/07 5:11 PM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	97	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	97	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : MLW-3-4

Matrix Type : WATER
Collection Date : 09/27/07
Report Date : 11/07/07
Lab Sample Number : 889195-031

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	6.6		1.0	1	ug/L		11/07/07 02:18 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	1.8	B	4.0	1	mg/L		10/09/07 10:23 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:05 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 5:35 PM Anl By: JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene		10	1.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		10/05/07 5:35 PM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	99	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	101	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	101	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : BW-1

Matrix Type : WATER
Collection Date : 09/28/07
Report Date : 11/07/07
Lab Sample Number : 889195-032

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	0.32	B	1.0	1	ug/L	A	11/07/07 02:24 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	1.7	B	4.0	1	mg/L		10/09/07 10:35 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:05 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 5:58 PM Anl By: JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		10/05/07 5:58 PM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	97	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	98	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : SW-1

Matrix Type : WATER
Collection Date : 09/28/07
Report Date : 11/07/07
Lab Sample Number : 889195-033

INORGANICS

Test		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved		1.9	1.0	1	ug/L	A	11/07/07 02:42 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	<	4.0	4.0	1	mg/L		10/09/07 10:47 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:05 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 6:22 PM Anl By: JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		10/05/07 6:22 PM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units			Anl Method
4-Bromofluorobenzene	97	64	132	1	%		10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%		10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	96	68	122	1	%		10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : BW-2

Matrix Type : WATER
Collection Date : 09/28/07
Report Date : 11/07/07
Lab Sample Number : 889195-034

INORGANICS

Test	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	4.3		1.0	1	ug/L	A	11/07/07 02:48 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM		Anl By: MSB
Sulfate	2.0	B	4.0	1	mg/L		10/09/07 11:00 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:05 PM		Anl By: GLH

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/08/07 7:50 AM Anl By: JJB

Analyte	Result		EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	< 1.0		1.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	0.48	J	1.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 1.0		1.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 1.0		1.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 1.0		1.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
2-Butanone	< 20		20	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
Acetone	< 5.0		5.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
Benzene	< 1.0		1.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
Chloroethane	< 1.0		1.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
Chloroform	1.0		1.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
Chloromethane	< 1.0		1.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	2.0		1.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
Methylene Chloride	< 1.0		1.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	6.5		1.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 1.0		1.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
Trichloroethene	17		1.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	< 1.0		1.0	1	ug/L		10/08/07 7:50 AM	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	98	64	132	1	%		10/08/07	SW846 5030B	SW846 8260B
Toluene-d8	99	73	127	1	%		10/08/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	100	68	122	1	%		10/08/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : MLW-1-4

Matrix Type : WATER
Collection Date : 09/28/07
Report Date : 11/07/07
Lab Sample Number : 889195-035

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Sulfate	12	4.0	1	mg/L		10/09/07 11:36 PM	EPA 300.0	EPA 300.0
						Prep Date/Time: 10/09/07 03:05 PM	**Anl By:** GLH	

Pace Analytical Services, Inc.

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Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : FBLK-07301

Matrix Type : WATER
Collection Date : 09/28/07
Report Date : 11/07/07
Lab Sample Number : 889195-036

INORGANICS

Test		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	<	1.0	1.0	1	ug/L		11/07/07 02:54 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	<	4.0	4.0	1	mg/L		10/09/07 11:48 PM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:05 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 11:33 AM Anl By: JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		10/05/07 11:33 AM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	94	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	101	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	97	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 889195

Client : RMT - GREENVILLE
Project Name : MEDLEY FARM
Project Number : 71243.46
Field ID : RBLK-07301

Matrix Type : WATER
Collection Date : 09/28/07
Report Date : 11/07/07
Lab Sample Number : 889195-037

INORGANICS

Test		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Manganese - Dissolved	<	1.0	1.0	1	ug/L		11/07/07 03:00 PM	SW846 3020A	SW846 6020
							Prep Date/Time: 10/23/07 08:20 AM	Anl By: MSB	
Sulfate	<	4.0	4.0	1	mg/L		10/10/07 12:01 AM	EPA 300.0	EPA 300.0
							Prep Date/Time: 10/09/07 03:05 PM	Anl By: GLH	

VOLATILES - SPECIAL LIST

Prep Date/Time: 10/05/07 1:40 PM Anl By: JJB

Analyte		Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,1,1-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	<	1.0	1.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
1,1-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
1,2-Dichloroethane	<	1.0	1.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
2-Butanone	<	5.0	5.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
Acetone	<	5.0	5.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
Benzene	<	1.0	1.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
Chloroethane	<	1.0	1.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
Chloroform	<	1.0	1.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
Chloromethane	<	1.0	1.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
Methylene Chloride	<	1.0	1.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
Tetrachloroethene	<	1.0	1.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	1.0	1.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
Trichloroethene	<	1.0	1.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.0	1.0	1	ug/L		10/05/07 1:40 PM	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Anl Date/Time	Prep Method	Anl Method
4-Bromofluorobenzene	98	64	132	1	%	10/05/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%	10/05/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	94	68	122	1	%	10/05/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
889195	M-MN-D	All Samples	X - Internal standard limits of 30-140% used. All QC within limits.
889195	M-MN-D	All Samples	A - Analyte is detected in the method blank at a concentration of 0.46 ug/L. This affects samples 889195-009,016 thru 018, and 021.
889195	M-MN-D	All Samples	A - Analyte is detected in the method blank at a concentration of 0.31 ug/L. This affects samples 889195-027, 029, 032, 033, and 034.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the CCV standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	889195-001	889195-002	889195-003	889195-004	889195-005	889195-006	889195-007	889195-008	889195-009	889195-010	889195-011	889195-012	889195-013	889195-014	889195-015	889195-016	889195-017	889195-018	889195-019	889195-020	889195-021	889195-022	889195-023	889195-024	889195-025	889195-026
MANGANESE - DISSOLVED			B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B		
SULFATE			B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	
VOLATILES - SPECIAL LIST	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G

Test Group Name	889195-027	889195-028	889195-029	889195-030	889195-031	889195-032	889195-033	889195-034	889195-035	889195-036	889195-037
MANGANESE - DISSOLVED	B		B	B	B	B	B	B		B	B
SULFATE	B		B	B	B	B	B	B	B	B	B
VOLATILES - SPECIAL LIST	G	G	G	G	G	G	G	G		G	G

Code	SC Certification
B	83006001
G	83006001

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 889195
Lab Section: METALS
QC Batch Number: 25901
Prep Method: SW846 3020A
Analytical Method: SW846 6020

QC Type	Client Sample ID	Lab Sample ID
MB	MBDMTG2288-100	MBDMTG2288-100
LCS	LCSDMTG2288-100	LCSDMTG2288-100
MS	A-1MS	889195-003MS
MSD	A-1MSD	889195-003MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
A-1	889195-003	MB	MW4-2	889195-004	MB
MW4-1	889195-005	MB	B-1	889195-006	MB
MW-3D	889195-007	MB	B-2	889195-008	MB
BW-202	889195-009	MB	DU-07301	889195-010	MB
B-3	889195-011	MB	B-4	889195-012	MB
DP3-1	889195-013	MB	DP3-2	889195-014	MB
DP-2-1	889195-015	MB	BW-4	889195-016	MB
BW-3	889195-017	MB	BW-105	889195-018	MB
BW-110	889195-019	MB	DU-07302	889195-020	MB
BW-109	889195-021	MB	BW-108	889195-022	MB

Test Name		Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Manganese - Dissolved	J	0.46	200.00	216.4	108.2		—	—	—		—		75	125	20	889195-003		4284.0	200.00	4412	64.0	+	200.00	4482	99.0	+	1.6		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/8/2007
QC Batch Number: 25901

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 889195
Lab Section: METALS
QC Batch Number: 25902
Prep Method: SW846 3020A
Analytical Method: SW846 6020

QC Type	Client Sample ID	Lab Sample ID
MB	MBDMTG2324-01	MBDMTG2324-01
LCS	LCSDMTG2324-01	LCSDMTG2324-01
MS	MLW-1-1MS	889195-023MS
MSD	MLW-1-1MSD	889195-023MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
MLW-1-1	889195-023	MB	MLW-1-2	889195-024	MB
BW-106	889195-027	MB	MLW-3-3	889195-029	MB
DU-07303	889195-030	MB	MLW-3-4	889195-031	MB
BW-1	889195-032	MB	SW-1	889195-033	MB
BW-2	889195-034	MB	FBLK-07301	889195-036	MB
RBLK-07301	889195-037	MB			

Test Name		Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Manganese - Dissolved	J	0.31	200.0	197.8	98.9		---	---	---		---		75	125	20	889195-023		49.67	200.0	241.6	96.0		200.0	221.9	86.1		8.5		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
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Report Date: 11/8/2007
QC Batch Number: 25902

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 889195
Lab Section: VOA
QC Batch Number: 25357
Prep Method: SW846 5030B
Analytical Method: SW846 8260B

QC Type	Client Sample ID	Lab Sample ID
MB	vog2306-80MB	vog2306-80MB
MB2	vog2306-80MB2	vog2306-80MB2
LCS	vog2306-80LCS	vog2306-80LCS
LCSD	vog2306-80LCSD	vog2306-80LCSD
MS	MW4-2MS	889195-004MS
MSD	MW4-2MSD	889195-004MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
TBLK-07302	889195-001	MB	TBLK-07303	889195-002	MB
A-1	889195-003	MB	MW4-2	889195-004	MB
MW4-1	889195-005	MB	B-1	889195-006	MB
MW-3D	889195-007	MB	B-2	889195-008	MB
BW-202	889195-009	MB	DU-07301	889195-010	MB
B-3	889195-011	MB	B-4	889195-012	MB
DP3-1	889195-013	MB	DP3-2	889195-014	MB
DP-2-1	889195-015	MB	BW-4	889195-016	MB
BW-3	889195-017	MB	BW-105	889195-018	MB
BW-110	889195-019	MB	DU-07302	889195-020	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
1,1,1-Trichloroethane	<	0.9	50.0	53.6	107		50.0	52.3	105		2.4		75	128	20	889195-004	<	0.9	50.0	51.9	104		50.0	52.7	105		1.5		70	130	30
1,1,2-Trichloroethane	<	0.42	50.0	49.8	100		50.0	50.9	102		2.2		75	125	20	889195-004	<	0.42	50.0	49.9	100		50.0	50.5	101		1.4		70	130	30
1,1-Dichloroethane	<	0.75	50.0	56.1	112		50.0	55.1	110		1.8		71	130	20	889195-004	<	0.75	50.0	54.9	110		50.0	57.2	114		4.1		70	130	30
1,1-Dichloroethene	<	0.57	50.0	52.2	104		50.0	50.2	100		3.9		75	125	20	889195-004	<	0.57	50.0	50.1	100		50.0	51.7	103		3.2		70	135	30
1,2-Dichloroethane	<	0.36	50.0	52	104		50.0	51.1	102		1.8		71	132	20	889195-004		1.98	50.0	53.4	103		50.0	53.7	103		0.4		70	130	30
2-Butanone	<	4.3	50.0	56.9	114		50.0	51.9	104		9.2		59	130	20	889195-004	<	4.3	50.0	47.1	94		50.0	47	94		0.2		51	130	30
Acetone	<	2.3	50.0	66.2	132		50.0	58.5	117		12.3		31	150	20	889195-004	<	2.3	50.0	43.3	87		50.0	45.3	91		4.5		42	132	30
Benzene	<	0.41	50.0	55.3	111		50.0	54.5	109		1.4		75	125	20	889195-004	<	0.41	50.0	54.8	110		50.0	55.5	111		1.2		70	130	30
Chloroethane	<	0.97	50.0	52.7	105		50.0	49.8	100		5.7		72	126	20	889195-004	<	0.97	50.0	51.3	103		50.0	51.2	102		0.3		67	138	30
Chloroform	<	0.37	50.0	52.2	104		50.0	52.6	105		0.7		75	125	20	889195-004	<	0.37	50.0	51.8	104		50.0	53	106		2.3		70	130	30
Chloromethane	<	0.24	50.0	58.1	116		50.0	41	82		34.6	*	46	143	20	889195-004	<	0.24	50.0	57	114		50.0	58.2	116		2.1		43	150	30
cis-1,2-Dichloroethene	<	0.83	50.0	51.3	103		50.0	51.4	103		0.2		75	125	20	889195-004		1.00	50.0	52.8	104		50.0	52.3	103		1.0		70	130	30
Methylene Chloride	<	0.43	50.0	49.9	100		50.0	49.8	100		0.1		75	125	20	889195-004	<	0.43	50.0	50	100		50.0	50.9	102		1.8		70	130	30
Tetrachloroethene	<	0.45	50.0	53.2	106		50.0	51.6	103		2.9		75	130	20	889195-004	<	0.45	50.0	52.8	106		50.0	54.9	110		3.9		70	130	30
trans-1,2-Dichloroethene	<	0.89	50.0	56	112		50.0	53.3	107		5.0		75	125	20	889195-004	<	0.89	50.0	54.3	109		50.0	54.8	110		1.0		70	130	30
Trichloroethene	<	0.48	50.0	53.1	106		50.0	52.4	105		1.4		75	125	20	889195-004		0.787	50.0	54.3	107		50.0	55.1	109		1.3		70	130	30

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/8/2007
QC Batch Number: 25357

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
Vinyl Chloride	< 0.18	50.0	52.9	106		50.0	50.9	102		3.8		65	130	20	889195-004	6.26	50.0	57.2	102		50.0	57.5	103		0.5		62	138	30
4-Bromofluorobenzene	72%	---	---	80		---	---	80		---		64	132	---	889195-004	72%	---	---	80		---	---	80		---		64	132	---
Toluene-d8	88%	---	---	92		---	---	92		---		73	127	---	889195-004	87%	---	---	91		---	---	93		---		73	127	---
Dibromofluoromethane	92%	---	---	93		---	---	94		---		68	122	---	889195-004	96%	---	---	92		---	---	93		---		68	122	---

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/8/2007
QC Batch Number: 25357

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 889195
Lab Section: VOA
QC Batch Number: 25365
Prep Method: SW846 5030B
Analytical Method: SW846 8260B

QC Type	Client Sample ID	Lab Sample ID
MB	vog2306-81MB	vog2306-81MB
MB2	vog2306-81MB2	vog2306-81MB2
LCS	vog2306-81LCS	vog2306-81LCS
LCSD	vog2306-81LCSD	vog2306-81LCSD
MS	BW-109MS	889195-021MS
MSD	BW-109MSD	889195-021MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
BW-109	889195-021	MB	BW-108	889195-022	MB
MLW-1-1	889195-023	MB	MLW-1-2	889195-024	MB
MLW-1-3	889195-025	MB	MLW-1-4	889195-026	MB
BW-106	889195-027	MB	MLW-3-2	889195-028	MB
MLW-3-3	889195-029	MB	DU-07303	889195-030	MB
MLW-3-4	889195-031	MB	BW-1	889195-032	MB
SW-1	889195-033	MB	BW-2	889195-034	MB
FBLK-07301	889195-036	MB	RBLK-07301	889195-037	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
1,1,1-Trichloroethane	<	0.9	50.0	51.9	104		50.0	52.2	104		0.5		75	128	20	889195-021	<	0.9	50.0	51.6	103		50.0	52.3	105		1.3		70	130	30
1,1,2-Trichloroethane	<	0.42	50.0	48.1	96		50.0	48.4	97		0.5		75	125	20	889195-021	<	0.42	50.0	49.3	99		50.0	49.1	98		0.5		70	130	30
1,1-Dichloroethane	<	0.75	50.0	50.7	101		50.0	51	102		0.6		71	130	20	889195-021	<	0.75	50.0	49.4	99		50.0	50.3	101		1.8		70	130	30
1,1-Dichloroethene	<	0.57	50.0	54.3	109		50.0	52.8	106		2.8		75	125	20	889195-021	<	0.57	50.0	52.8	106		50.0	52.2	104		1.0		70	135	30
1,2-Dichloroethane	<	0.36	50.0	49.1	98		50.0	48.2	96		1.9		71	132	20	889195-021	<	0.36	50.0	48.8	98		50.0	48.5	97		0.5		70	130	30
2-Butanone	<	4.3	50.0	59.7	119		50.0	53	106		11.9		59	130	20	889195-021	<	4.3	50.0	44.5	89		50.0	44.7	89		0.4		51	130	30
Acetone	<	2.3	50.0	73.1	146		50.0	67.3	135		8.2		31	150	20	889195-021	<	2.3	50.0	42.9	86		50.0	40.4	81		6.1		42	132	30
Benzene	<	0.41	50.0	51.7	103		50.0	50.8	102		1.8		75	125	20	889195-021	<	0.41	50.0	51	102		50.0	50.5	101		1.0		70	130	30
Chloroethane	<	0.97	50.0	52.7	105		50.0	52.5	105		0.3		72	126	20	889195-021	<	0.97	50.0	51.6	103		50.0	52	104		0.7		67	138	30
Chloroform	<	0.37	50.0	50.2	100		50.0	49.4	99		1.5		75	125	20	889195-021	<	0.37	50.0	49.1	98		50.0	49.2	98		0.1		70	130	30
Chloromethane	<	0.24	50.0	54	108		50.0	53	106		2.0		46	143	20	889195-021	<	0.24	50.0	49.4	99		50.0	50.5	101		2.1		43	150	30
cis-1,2-Dichloroethene	<	0.83	50.0	52.8	106		50.0	51.7	103		2.2		75	125	20	889195-021	<	0.83	50.0	51.4	103		50.0	51.4	103		0.0		70	130	30
Methylene Chloride	<	0.43	50.0	50.8	102		50.0	49.5	99		2.7		75	125	20	889195-021	<	0.43	50.0	50.9	102		50.0	50.7	101		0.5		70	130	30
Tetrachloroethene	<	0.45	50.0	52.6	105		50.0	52.2	104		0.8		75	130	20	889195-021	<	0.45	50.0	53.6	107		50.0	53	106		1.1		70	130	30
trans-1,2-Dichloroethene	<	0.89	50.0	54.6	109		50.0	54.6	109		0.1		75	125	20	889195-021	<	0.89	50.0	53.6	107		50.0	54.5	109		1.7		70	130	30
Trichloroethene	<	0.48	50.0	52.9	106		50.0	53.2	106		0.6		75	125	20	889195-021	<	0.48	50.0	52.6	105		50.0	52.6	105		0.1		70	130	30
Vinyl Chloride	<	0.18	50.0	51.1	102		50.0	51.3	103		0.3		65	130	20	889195-021	<	0.18	50.0	50.8	102		50.0	51.3	103		1.0		62	138	30

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/8/2007
QC Batch Number: 25365

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	LCS Recovery C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	LCSD Recovery C	LCS/LCSD RPD %	LCS/LCSD RPD C	LCS/LCSD Control Limits LCL %	LCS/LCSD Control Limits UCL %	LCS/LCSD Control Limits RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	MS Recovery C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	MSD Recovery C	MS/MSD RPD %	MS/MSD RPD C	MS/MSD Control Limits LCL %	MS/MSD Control Limits UCL %	MS/MSD Control Limits RPD %
4-Bromofluorobenzene	97%	---	---	101		---	---	101		---		64	132	---	889195-021	96%	---	---	100		---	---	99		---		64	132	---
Toluene-d8	102%	---	---	102		---	---	103		---		73	127	---	889195-021	102%	---	---	104		---	---	103		---		73	127	---
Dibromofluoromethane	96%	---	---	102		---	---	100		---		68	122	---	889195-021	98%	---	---	98		---	---	99		---		68	122	---

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/8/2007
QC Batch Number: 25365

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 889195
Lab Section: WETCHEM
QC Batch Number: 25539
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2308-045MB	WCG2308-045MB
LCS	WCG2308-045MBLCS	WCG2308-045MBLCS
MS	DU-07302MS	889195-020MS
MS	A-1MS	889195-003MS
MSD	DU-07302MSD	889195-020MSD
MSD	A-1MSD	889195-003MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
A-1	889195-003	MB	MW4-2	889195-004	MB
MW4-1	889195-005	MB	B-1	889195-006	MB
MW-3D	889195-007	MB	B-2	889195-008	MB
BW-202	889195-009	MB	DU-07301	889195-010	MB
B-3	889195-011	MB	B-4	889195-012	MB
DP3-1	889195-013	MB	DP3-2	889195-014	MB
DP-2-1	889195-015	MB	BW-4	889195-016	MB
BW-3	889195-017	MB	BW-105	889195-018	MB
BW-110	889195-019	MB	DU-07302	889195-020	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number		Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Sulfate	<	0.51	16.0	14.5	90.8		---	---	---		---		90	110	20	889195-003		4.83	16.0	18.2	83.9	N	16.0	18.4	84.6	N	0.7		90	110	20
Sulfate	<	0.51	16.0	14.5	90.8		---	---	---		---		90	110	20	889195-020		4.97	16.0	18.3	83.4	N	16.0	18.7	85.8	N	2.1		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/8/2007
QC Batch Number: 25539

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 889195
Lab Section: WETCHEM
QC Batch Number: 25540
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2308-046MB	WCG2308-046MB
LCS	WCG2308-046MBLCS	WCG2308-046MBLCS
MS	889248-001MS	889248-001MS
MS	MLW-1-1MS	889195-023MS
MSD	889248-001MSD	889248-001MSD
MSD	MLW-1-1MSD	889195-023MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
BW-109	889195-021	MB	BW-108	889195-022	MB
MLW-1-1	889195-023	MB	MLW-1-2	889195-024	MB
MLW-1-3	889195-025	MB	BW-106	889195-027	MB
MLW-3-3	889195-029	MB	DU-07303	889195-030	MB
MLW-3-4	889195-031	MB	BW-1	889195-032	MB
SW-1	889195-033	MB	BW-2	889195-034	MB
MLW-1-4	889195-035	MB	FBLK-07301	889195-036	MB
RBLK-07301	889195-037	MB			

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Sulfate	< 0.51	16.0	14.5	90.7		--	--	--		--		90	110	20	889195-023	< 0.51	16.0	15.2	95.0		16.0	15	93.8		1.3		90	110	20
Sulfate	< 0.51	16.0	14.5	90.7		--	--	--		--		90	110	20	889248-001	12.3	16.0	26.4	88.0	N	16.0	26.5	88.5	N	0.3		90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 11/8/2007
QC Batch Number: 25540

Sample Condition Upon Receipt

Pace Analytical

Client Name: RMT Project # 889195

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

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

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

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

Thermometer Used JB Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 3.0 +0.5 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 10-2-07 cg

Temp should be above freezing to 6°C

		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.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☑Yes ☑No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: GW		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed CG / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 11/7/07

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

75636

CHAIN OF CUSTODY RECORD

RMT
30 Patewood Drive, Suite 100, Patewood Plaza One, Greenville, SC 29615-3535
Phone 864/281-0030 • Fax 864/281-0288

Project No. 71243.46 | Project/Client: Medley Farm

Project Manager/Contact Person: S. Webb / P. Ressmeyer

Filtered (Yes/No): N Y N
Preserved (Code): E B A

PRESERVED CODES
A — NONE
B — HNO_3
C — H_2SO_4
D — NaOH
E — HCl
F — METHANOL
G — _____

Lab No.	Yr. 07 Date	Time	Sample Station ID	Total Number of Containers	MATRIX	VOCs	Diss. Mn	Sulfate						Comments:
001	—	—	TBLK-07302	2	DI	X								2-40 ml B
002	—	—	TBLK-07303	2	DI	X								↓ Diss. Mn.
003	9/24	1110	A-1	5	GW	X	X	X	2-250 ml P	D+F	3-40 ml B			Field Filtered
004		1035	MW4-2	5		X	X	X						
005		1130	MW4-1	5		X	X	X						
006		1335	B-1	5		X	X	X						
007		1425	MW-3D	5		X	X	X						
008		1630	B-2	5		X	X	X						
009		1540	BW-202	5		X	X	X						
010	—	—	DU-07301	5		X	X	X						

SPECIAL INSTRUCTIONS

889195

8596-8071-8395, 8596-8071-8400

SAMPLER Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	9-28-07	FedEx	9-28-07
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Fed Ex	10:30 10-2-07	[signature] for Pace	10:30 10-2-07
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time

HAZARDS ASSOCIATED WITH SAMPLES
- ☐ Flammable
- ☐ Corrosive
- ☐ Highly Toxic
- ☐ Other (list) _____

Turn Around (circle one) Normal Rush
Report Due _____

(For Lab Use Only)
Receipt Temp:
Temp Blank Y N
Receipt pH (Wet/Metals)

Custody Seal: ~~Present~~/Absent (Intact)/Not Intact Seal #s Temp 3.0 + 0.5

F-2'' 6/04)

WHITE—LABORATORY COPY YELLOW—REPORT APPENDIX PINK- 'ER/SUBMITTER

75637 2 J

CHAIN OF CUSTODY RECORD

RMT

30 Patewood Drive, Suite 100, Patewood Plaza One, Greenville, SC 29615-3535
Phone 864/281-0030 • Fax 864/281-0288

Project No. 71243.46 | Project/Client: Medley Farm

Project Manager/Contact Person: S. Webb / P. Ressmeyer

Filtered (Yes/No): N Y N
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PRESERVED CODES
A — NONE
B — HNO_3
C — H_2SO_4
D — NaOH
E — HCl
F — METHANOL
G — _____

Lab No.	Yr. 07 Date	Time	Sample Station ID	Total Number of Containers	MATRIX	Analyses Requested: VOCs	Diss. Mn	Sulfate					Comments:
011	9/25	1120	B-3	5	GW	X	X	X	2-250 ml p D+A				3-40 ml B
012		1110	B-4	5		X	X	X					Diss. Mn
013		1520	DP3-1	5		X	X	X					field filtered
014		1540	DP3-2	5		X	X	X					
015	9/26	1035	DP-2-1	5		X	X	X					
016		1035	BW-4	5		X	X	X					
017		1335	BW-3	5		X	X	X					
018		1340	BW-105	5		X	X	X					
019		1525	BW-110	5		X	X	X					
020	—	—	DU-07302	5		X	X	X					

SPECIAL INSTRUCTIONS 889195

SAMPLER Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	9-28-07	Fed Ex	9-28-07
Relinquished by (Signature) Fed Ex	Date/Time 10:30 10-2-07	Received by (Signature) [signature] Pace	Date/Time 10:30 10-2-07
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time

HAZARDS ASSOCIATED WITH SAMPLES
- ☐ Flammable
- ☐ Corrosive
- ☐ Highly Toxic
- ☐ Other (list)

Turn Around (circle one) Normal Rush
Report Due _____

(For Lab Use Only)
Receipt Temp: Temp Blank Y N
Receipt pH (Wet/Metals)

Custody Seal: Present/Absent Intact/Not Intact Seal #s

Temp 3.0 + 0.5

F-268 (6/04)

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3 45

75638

CHAIN OF CUSTODY RECORD

RMT

30 Patewood Drive, Suite 100, Patewood Plaza One, Greenville, SC 29615-3535
Phone 864/281-0030 • Fax 864/281-0288

Project No. 71243.46 | Project/Client: Medley Farm

Project Manager/Contact Person: S. Webb / P. Ressmeyer

Filtered (Yes/No): N Y N
Preserved (Code): E B A

PRESERVED CODES
A — NONE
B — HNO_3
C — H_2SO_4
D — NaOH
E — HCl
F — METHANOL
G — _____

Lab No.	Yr. 07 Date	Time	Sample Station ID	Total Number of Containers	MATRIX	Analyses Requested: VOCs	Diss. Mn	Sulfate		Comments:
021	9/26	1510	BW-109	5	GW	X	X	X	2-250 ml p D+A	3-40 ml B
022	9/27	1100	BW-108	5		X	X	X		Diss. Mn
023		1110	MLW-1-1	5		X	X	X		field filtered
024		1330	MLW-1-2	5		X	X	X		
025		1410	MLW-1-3	4		X		X	1-250 ml p A	3-40 ml B
026		1430	MLW-1-4	3		X			[illegible]	3-40 ml B
027		1440	BW-106	5		X	X	X	2-250 ml p D+A	3-40 ml B
028		1500	MLW-3-2	3		X				3-40 ml B
029		1520	MLW-3-3	5		X	X	X	2-250 ml p D+A	3-40 ml B
030	—	—	DU-07303	5		X	X	X		

SPECIAL INSTRUCTIONS 889195

SAMPLER Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	9-28-07	FedEx	9-28-07
Relinquished by (Signature) FedEx	Date/Time 10-2-07 10:30	Received by (Signature) [signature] Pace	Date/Time 10-2-07 10:30
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time

HAZARDS ASSOCIATED WITH SAMPLES
- ☐ Flammable
- ☐ Corrosive
- ☐ Highly Toxic
- ☐ Other (list)

Turn Around (circle one) Normal Rush
Report Due _____

(For Lab Use Only)
Receipt Temp: Temp Blank Y N
Receipt pH (Wet/Metals)

Custody Seal: Present/Absent Intact/Not Intact Seal #s Temp 3.0 + 0.5

F-2[illegible]/04)

WHITE—LABORATORY COPY YELLOW—REPORT APPENDIX PINK— [illegible]ER/SUBMITTER

4

75639

CHAIN OF CUSTODY RECORD

RMT®

30 Patewood Drive, Suite 100, Patewood Plaza One, Greenville, SC 29615-3535
Phone 864/281-0030 • Fax 864/281-0288

Project No. 71243.46 | Project/Client: Medley Farm

Project Manager/Contact Person: S. Webb / P. Ressmeyer

Filtered (Yes/No): N Y N
Preserved (Code): E B A

PRESERVED CODES
A — NONE
B — HNO_3
C — H_2SO_4
D — NaOH
E — HCl
F — METHANOL
G — _____

Lab No.	Yr. 07 Date	Time	Sample Station ID	Total Number of Containers	MATRIX	Analyses Requested: VOCs	Diss. Mn	Sulfate						Comments:
031	9/27	1600	MLW-3-4	5	GW	X	X	X	2-250 ml p D+A					3-40 ml B
032	9/28	1030	BW-1	5		X	X	X						Diss. Mn
033		1000	SW-1	5		X	X	X						field filtered
034		1140	BW-2	5		X	X	X						
035		0920	MLW-1-4	1				X						1-250 ml p A
036		1115	FBLK-07301	5	DI	X	X	X	2-250 ml p D+A					3-40 ml B
037 ~~036~~		1530	RBLK-07301	5	DI	X	X	X						

SPECIAL INSTRUCTIONS

889195

SAMPLER Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	9-28-07	FedEx	9-28-07
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
FedEx	10-2-07 ~~9:00~~ 10:30	[signature] Pace	10-2-07 10:30
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time

HAZARDS ASSOCIATED WITH SAMPLES
- ☐ Flammable
- ☐ Corrosive
- ☐ Highly Toxic
- ☐ Other (list)

Turn Around (circle one) Normal Rush
Report Due _____

(For Lab Use Only)
Receipt Temp: Temp Blank Y N
Receipt pH (Wet/Metals)

Custody Seal: Present/Absent Intact/Not Intact Seal #s Temp: 3.0+0.5

F-268 (6/04)

WHITE—LABORATORY COPY YELLOW—REPORT APPENDIX PINK—SAMPLER/SUBMITTER

Appendix E
Responses to Comments

SC DHEC Comments

1. The provisions for dealing with an increase of contamination in one or two wells while other wells are stable or declining is not discussed in this report. Details for dealing with this potential scenario should be provided in the response to comments: ***(Response; see Conclusion and Recommendations section, additional targeted injections.)***

2. The report states that a decision to propose a two year period of monitored natural attenuation (MNA) will be based on volatile organic chemical (VOC) concentrations not posing a risk to human health or the environment and having not appreciably increased with time. VOC concentrations having not "appreciably" increased with time is subject to a wide variety of interpretations. The Division of Hydrogeology will carefully review the sampling results before making any recommendations. ***(Response; see Conclusion and Recommendations section, additional targeted injections are recommended.)***

3. The September 2007 sampling event should begin the semi-annual collection of MNA data. ***(Response; see Conclusions and Recommendations section, additional injections and monitoring is recommend.)***

4. This contamination problem at this site is three dimensional; however, the maps and figures in this report do not convey this information. The response to comments and all subsequent reports should include cross sections, zone based data interpretations or other figures to represent the three dimensional nature of the contamination as appropriate. ***(Response; see cross sections Figure 14.)***

5. It is not clear when stream water or sediment samples were last taken. Provisions should be made to include stream water and sediment samples during the next sampling event. "Push Point" samplers, diffusion bag samplers, or the equivalent, may be considered in lieu of stream water and sediment samples. ***(Response; drought conditions have inhibited the collection of surface water samples, surface water samples will be taken when stream flow conditions return to a more representative flow regime.)***

6. The response to comments and subsequent reports should include a summary table (Table 9) for VC similar to Tables 6, 7 and 8 (Tetrachloroethene, Trichloroethene and *cis* 1,2-Dichloroethene). ***(Response; see Table 9.)***

7. The Dissolved Oxygen (DO), Oxygen Reduction Potential (ORP) and Manganese data presented in this report does not provide a convincing argument for the occurrence of natural attenuation. The MNA Data should be collected and reported following the USEPA, AFCEE or similar MNA protocol. The response to comments and all subsequent reports should provide suitable maps, figures and tables representing the MNA information in the format that has been selected. ***(Response; The reviewers comments are acknowledged and will be addressed when MNA corrective action reports are submitted.)***

8. The suggestion that MNA will be followed by a NFA in two years is premature. The NFA recommendation will be based upon analytical data that follows a recognized MNA protocol. ***(Response; The reviewers comment is acknowledged, additional targeted injections events are proposed see report.)***

9. The proposal to conduct a cost-benefit analysis that would likely show the technical impracticability of further active remedial action at the end of the designated MNA period does not appear to conform with current EPA Technical Impracticability guidance. ***(Response; No cost- benefit analysis is planned at this time.)***

10. Comparison of well data from 2004 monitoring events to 2006 monitoring events should only be made on an individual well basis. Percentages describing the number of well concentrations below target levels is meaningless unless you are comparing identical well location data from 2004 to identical well location data from 2006. ***(Response; Percentages describing the number of well concentration below target levels was omitted from this report.)***

USEPA Comments

1. In the Executive Summary Section, page iv, second paragraph, the text states "RMT attributes this unexpected increase in TCB/PCE at well B-2 to two factors." The following text then apparently presents only one of those factors. The second factor needs to be identified. ***(Response; see Executive Summary, page iv and Subsection 2.4 Groundwater Quality Monitoring.)***

2. On page 7, the report notes that between the February/March and the November 2006 monitoring events, modifications were made to 10 of the recovery wells, resulting in the ability to purge larger volumes of water from these wells before they were sampled. In the Executive Summary on page iv, RMT attributes the observed PCE/TCE increases at well B-2 to this factor. Some indication is needed as to how much of a change in purge volume was made. ***(Response; see Executive Summary, page iv and Subsection 2.4 Groundwater Quality Monitoring.)***

3. Section 3.2 references and the first page of Appendix B indicates that data presented in the appendix include July/August and November 2006 sample results. Table B1 presents monitoring results from February/March 2006. ***(Response; The reviewers comments are acknowledged.)***

4. Executive Summary page v proposes that active treatment measures be suspended until September 2007, when a site-wide round of ground-water monitoring will be conducted. This will allow for a determination of the potential rebound of VOC concentrations. An evaluation of Table 4 and data from Appendix B provide some indication of what might be expected under this proposal. Specifically, Table 4 shows that suspension of lactate injection after the November/December 2005 event has occurred at seven former injection points. A comparison of February/March 2006 data to November 2006 data for the two of these seven points monitored in November 2006 indicates substantial increases in concentrations of PCE and TCE at both wells B-2 and 8-3, increases of cis 1,2-DCE at both wells, and a substantial increase in VC at well B-3. A review of data from these wells from pre-injection monitoring in September 2004 is likewise not encouraging. Contaminant concentrations from November 2006 are generally comparable to or higher than concentrations observed in pm-injection monitoring. ***(Response; The reviewers comments are acknowledged)***

5. While the evaluation in the preceding paragraph is not definitive, it suggests that cessation of lactate injection can result in substantial rebound of contaminant concentrations. Additionally, while this observation does not necessarily discourage cessation of lactate injection for a period of time, it should not be assumed that any follow up monitoring will yield results indicating that further lactate injection or alternative remedial actions will be unnecessary. The available data suggest it is unlikely for the remedial action to fully transition to monitored natural attenuation in the near future. This point is further

supported by the observations made in comment 5 below and is reiterated elsewhere in this review. ***(Response; Additional targeted lactate injections are recommended, see Conclusions and Recommendation, Section 5.)***

6. There are notably high concentrations of alkalinity, chloride, and volatile fatty acids in four of the injection wells (wells A-1, A-5, B-1, and B-4; data from the February/March 2006 sampling). A review of VOC data obtained prior to the first injection event does not indicate these wells were monitoring groundwater with unusually high concentrations of chlorinated solvents that would account for the high concentrations of these degradation constituents or byproducts. It is inconsistent that the February/March 2006 data indicate some significant degradation of chlorinated solvents is occurring at these locations, while the 2004 pre-injection data do not suggest that chlorinated solvent ground-water contamination at these points is especially noteworthy. As a matter of fact, December 2004 data from two of these wells show similarly very high values for alkalinity, chloride, and total volatile fatty acids, indicating an apparent long-term inconsistency between measured chlorinated solvents and the products of chlorinated solvent degradation, beginning near the time of the first lactate injection.

   Consideration should be given as to the cause of such high concentrations of products of solvent degradation. My concern is that some significant chlorinated solvent contaminant mass in the vicinity of these four injection wells has not been identified through water-quality monitoring at the wells. ***(Response; Additional targeted lactate injections are recommended, see Conclusions and Recommendation, Section 5.)***

7. Referring back to comment 4, complete cessation of lactate injection seems to be associated with concentration rebound. Rebound may also occur where lactate injection is reduced, relative to previous applications. This comment is made on the basis of reviewing results from well A-3. Table 4 shows that from November/ December 2005 to July/August 2006, lactate solution injection at this well decreased from 8,855 gallons to 6;800 gallons. In the February 2006 sampling at A-3, the TCE concentration was 0.0034 mg/L, PCE was detected at 0.00064 ug/L, *cis* 1,2-DCE was detected at 0.0025 mg/L and VC was found at 0.0014 mg/L. In contrast, in the well A-3 sample from November 2006, TCE was 0.026 mg/L, PCE was 0.013 mg/L, *cis* 1,2-DCE was 0.016 mg/L and VC was 0.0012 mg/L. While there may be other explanations for the concentration increases, one possibility is that the reduced application of lactate resulted in less complete degradation of the more chlorinated compounds. This supposition is further supported by evaluation of results from wells DP-3-I and MW-3D, where an increase in the injection rate from November/December 2005 to July/August 2006 apparently caused reduced contaminant concentrations in post injection samples from those two wells.

   An additional factor that affects the ground-water quality response to lactate injection may be the dilution effect of the injection. This factor may explain or partially explain changes in total concentrations of solvents in addition to changes in the ratio of parent to daughter

solvent compound concentrations. In any case, the relationship between the volume of water injected, the mass of lactate injected, and the concentration responses to the lactate injection need to be evaluated in the report. ***(Response; see Subsection 3.2.2, Distribution of Volatile Organic Compounds.)***

8. On page 16, the text states that increases in observed concentrations of PCE and TCE in samples from some wells were likely the result of a change in how the wells were sampled. The text does not specifically indicate how the change in purge volumes resulted in higher contaminant concentrations, but a reasonable assumption would be that a higher purge volume would result in the sampled groundwater originating from parts of the aquifer further away from the injection point. This factor suggests that the lateral extent of injected lactate influence on ground-water quality is limited in the direction that is hydraulically upgradient of an injection point under ambient conditions.

   It may be useful in the near future to develop some type of assessment of the approximate volume of contaminated groundwater that required treatment prior to the initial lactate injection, the total volume of lactate solution injected, the remaining volume of contaminant mass that might require treatment, and the approximate volume of groundwater surrounding the different injection wells that has been reached by the injected fluid. This sort of comprehensive mass balance/volumetric balance analysis may be needed in order to obtain some estimate of the potential need for and optimal location of additional lactate injection points to attain or approach attainment of remedial objectives. My specific hypothesis derived from a review of this annual report is that the lactate injection program needs to change in order to produce any further significant benefits. Furthermore, there may be a preferred alternative to adjusting lactate injection volumes or frequency at the current wells used for injection. This perspective is more fully explained in the following two paragraphs and elsewhere in this review.

   There are some wells recently used for lactate injection in the more upgradient parts of the area of significant ground-water contamination (examples are DP-2-I and MW-3D). These wells are considerably upgradient of wells where injection has been done for a longer period of lime. Thus, the water-quality improvements from lactate injection in the more upgradient wells may not have reached the vicinity of the more downgradient injection wells. At some of these more downgradient injection points (such as A-1) further injection may not be especially productive in reducing <u>monitored</u> contaminant concentrations. This comment is made because (1) there are few monitored wells downgradient of the line of downgradient injection points (those injection points extending from B-4 northeastward to A-6); thus downgradient response to injection at these points is generally unknown, and (2) when sampled, these more downgradient injection wells are largely recovering groundwater flowing to the wells from upgradient areas but lactate solution injected at these wells is largely affecting areas downgradient of the wells. Therefore, between injections at the more downgradient injection points, treated groundwater surrounding the

injection wells is to some extent displaced by less treated or untreated water moving to the wells from upgradient. This condition would account for rebound in concentrations at the more downgradient injection points if the lactate injection is cut back or stopped.

In order to observe long-term and persistent attainment of remedial objectives considering samples obtained from the aforementioned line of injection points, one of the following three actions may be taken and the results anticipated as follows: (1) maintain or increase injection at more upgradient points and wait some period of time to see an acceptable response in the more downgradient former injection wells, (2) suspend injection at all injection points and wait a long (and perhaps unacceptable period) for attainment at the more downgradient monitoring and former injection points, or (3) add injection wells in key areas upgradient of the more downgradient wells and injection points to minimize attainment times at the more downgradient monitoring points. It may be important to more completely identify what the current injection program is accomplishing across the entire area of ground-water contamination before proceeding with any modifications to the injection program.

To better observe the effects of the more downgradient lactate injections on groundwater quality, it may be necessary to add monitoring points downgradient of those injection wells. However, there are potential concerns about undertaking that action. Most importantly, any monitoring at such new wells will not have a pre-injection baseline for comparison. Thus, results from such monitoring wells may be ambiguous. In any case, monitoring of the more downgradient injection wells is probably not the best method for evaluating the effectiveness of lactate injection at those wells, at least for the periods well after completion of injection. ***(Response; see Section, 4, Updated Hydrogeoloic Model.)***

9. It is interesting and somewhat perplexing why the samples from monitoring wells MW-2-1 and MW-2-2 have contaminant concentrations and volatile fatty acid concentrations that indicate limited effects of lactate treatment in the February/March 2006 sample, despite these wells being near injection well A-5, which had three lactate injections prior to the early 2006 sample. The most recent A-5 lactate injection apparently produced a better result in these nearby monitoring wells. This better performance may be due to a slight increase in the volume of lactate solution injected in 2006, compared to the injection in late 2005. Regardless of this more positive outcome, results from the sample rounds documented in the 2006 Remedial Action Report show an overall poor performance of A-5 in reducing contaminant concentrations only a short distance away from the injection point (Figure 6).

   A parallel analysis was performed on data from monitoring wells MW-4-1 and MW-4-2. These are two other monitoring wells located in close proximity to an injection point (well A-l). Injection at A-I was slightly less in 2006 than in late 2005. Therefore, responses at MW-4-1 and MW-4-2 might allow for an evaluation of whether or not the late 2006 improvement in water quality at MW-2- I and MW-2-2 was in response to the 2006 increased application of lactate at A-S.

At MW-4- 1 and MW-4-2, the November 2006 results showed an improvement in water quality compared to results from early 2006. This condition is the same as that seen at MW-2-I and MW-2-2. Improvement in water quality at MW-2-1 and MW-2-2 may therefore not be related to the amount of lactate solution applied at the nearby injection well. The cause for the improvement of water quality at these four monitoring wells between the February/March 2006 and November 2006 is of interest, especially since earlier data compared to the February March 2006 data generally show little water-quality improvement. Some additional text evaluation for the concentration trends at these monitoring wells needs to be included in the report.

On page 15, continuing to page 16, the text states that nutrient injection has been successful in reducing concentrations to below remediation target levels at DP-3-I and the surrounding monitoring wells. This statement is true for PCE and TCE in samples from DP-3-1 if the most recent data are considered. For the February 2006 results, TCE and several other contaminants exceeded the performance standard. Furthermore, for November 2006, several contaminants other than PCE and TCE still exceeded the performance standard. It is a concern that both 1,1,2-trichloroethane and 1,2-dichloroethane not only still exceed their respective MCLs at DP-3-l but are present at concentrations higher than or comparable to those seen when DP-3-1 was sampled in December 2004, following the first lactate injection. These contaminants appear to be a particular concern in this general location (note that when well B-3 downgradient of DP-3-1 was sampled in November 2006, the sample yielded 0.2 mg/L 1,2-DCA, a concentration that was higher than that observed at DP-3-1. This higher 1,2-DCA concentration at well B-a than at DP-3-1 suggests an area of more significant 1,2-DCA contamination between these two wells. ***(Response; see Subsection 3.2.2, Distribution of Volatile Organic Compounds.)***

10. While the focus of Section 3 of the 2006 Remedial Action Annual Report has been on PCE, TCE, and degradation products of these two compounds, some attention needs to be given to the chlorinated ethane compounds found in the vicinity of DP-3-1. Appendix B monitoring data indicate that such contamination is probably spatially isolated. Monitoring data from the 2006 sampling and earlier suggest that the lactate injections have had a limited effect on this contamination. Given the poor performance of lactate injection in addressing this contamination, it may remain as a persistent and unacceptable problem without some modification to the current remedial approach. ***(Response; Additional targeted lactate injections are recommended, see Conclusions and Recommendation, Section 5.)***

11. Section 3.2.3 provides a brief, entirely qualitative discussion of the extent of injectant influence. This discussion mostly refers to contaminant concentration changes observed in monitoring wells located close to injection wells. While there is clearly some influence of injection on the water quality in such nearby monitoring wells, some of the results have been surprisingly minor, at least until the monitoring following the most recent injection. This point is noted in comment 8 above.

The influence of repeated injections of water quality in wells a greater distance from the injection points is mixed. Data from one well in particular is evaluated in this memorandum, to consider how effective the lactate injection has been in addressing contamination present in areas that are not immediately adjacent to a lactate injection point.

Text on page 18 references BW-2 as a location where the production of daughter products has been observed. This point is correct. It is also noted that for this well, there are remaining concentrations of PCE and TCE that indicate some persistence of contamination that is a concern, in terms of attainment of performance objectives.

Figures 1 and 2 in this memorandum (figures follow the memorandum text) show how PCE, TCE and cis 1,2-DCE concentrations have changed over time in samples from BW-2, and show the proportion of the total chlorinated ethene mass in the samples represented by each of the three compounds. The second (December 2004) sample is the first sample obtained after beginning lactate injection. These figures show that relative to the December 2004 sample, contaminant concentrations in BW-2 samples have not changed much. Cis 1,2-DCE is being produced by biodegradation of PCE and TCE, yet it remains only a small proportion of the total chlorinated ethenes present. The trends to date from BW-2 suggest that in some parts of the site, the lactate injection has had minimal positive benefit. This observation provides further evidence that modification to the remedial action is needed to address some of the contamination still remaining at Medley Farm. ***(Response; see Subsection 3.2.2, Distribution of Volatile Organic Compounds and Section 4, Updated Hydrogeologic Model.)***

12. Based upon the review in this memorandum, the following comments are offered on the conclusions and recommendations section of the 2006 Remedial Action Annual Report:

    a. The lactate-based nutrient injection appears to be very successful in some parts of the Site and has had limited success in other parts of the Site. The success of the treatment is apparently partly related to the proximity of monitoring points to injection points, or is related to the hydraulic connection between the injection points and the monitoring points.

    b. The first bullet on page 36 appears to compare November 2006 results to baseline (pre-injection) conditions. While there is a valid comparison in doing so, an alternative comparison can be made between results from the initial (December 2004) sample obtained after the first lactate injection to data obtained in November 2006 (or if no sample was obtained then, a comparison of the December 2004 results to results from February/March 2006. Figure 3 in this memorandum shows a comparison of overall contaminant concentrations from pre-injection monitoring, December 2004, and the most recently obtained monitoring data from 2006.

       Figure 3 shows that overall, improvement in water quality has occurred since the first lactate injection. The results from this analysis indicate there has been limited

improvement from the several subsequent injections, compared to a substantial decrease in average concentrations from the pre-injection period to the sample round after the first lactate injection.

c. The conclusions section indicates nutrient injection has been successful in reducing concentrations to below remediation target levels at DP-3-1 and the surrounding monitoring levels. As noted in comment 9 above, this statement is not entirely correct, because of the persistence of some contaminants other than PCE/TCE and their degradation products.

d. Section 4.2 recommends suspension of the lactate injection program and site-wide monitoring, to be conducted in September 2007. As per comment 4 above, I believe there are available data that indicate what might be expected for at least some areas if the lactate treatment is suspended. This does not necessarily mean that suspension of lactate injection is unwise. Such a suspension would allow for a site wide definition of ground-water quality under conditions of no remedial action.

   Although I recognize the benefit of suspending lactate injection, I also consider it important that the stakeholders in this remedial project rethink the lactate injection program and begin evaluation of potential alternatives to the lactate injection as it is currently structured. I see limited additional returns on continued lactate injection at many of the current injection points.

   Current data do not suggest to me that implementation of a site-wide monitored natural attenuation remedy is a good idea. It may be that in a localized area where MNA appears more favorable, it could be done, while elsewhere additional remedial actions are taken.

   Subject to further review, I think that the short-term suspension of lactate injection with a follow-up sampling in September 2007 makes sense, to be followed by a comprehensive evaluation of progress made to date on attainment of remedial objectives at all monitored points. The goal of this comprehensive evaluation will be to identify locations where (1) active remedial actions of some type need to be continued; (2) active remedial actions of some type need to be implemented (*e.g.*, alternative lactate injection points); and (3) monitored natural attenuation can be considered on an interim basis, to determine if there is a benefit to fully transition to natural attenuation remedy at these locations and to possibly better identify when along the "remedial progress scale" at other areas it makes sense to implement monitored natural attenuation. ***(Response; Additional targeted lactate injections are recommended, see Conclusions and Recommendation, Section 5.)***

Appendix F
Site-wide Sampling Event, Technical Memorandum

Technical Memorandum

Date: October 10, 2007

To: Ralph O. Howard, Jr., Remedial Project Manager Superfund Remedial and Site Evaluation Branch (USEPA)

Greg Cassidy, Project Manager Division of Site Assessment and Remediation Bureau of Land and Waste Management (SC DHEC)

cc: Steve Webb, RMT

From: Paul Ressmeyer, RMT

Project No.: 00-71243.51

Subject: Site-wide Sampling Event at Medley Farm NPL Site, Gaffney, South Carolina

During our recent site visit at the Medley Farm NPL Site on September 20, 2007, we discussed modification of the sampling protocols presently employed at each of the 6 inch diameter "A" and "B" series groundwater recovery wells (see Attachment 1). The jet pump assemblies and associated hosing were recently removed from each of these 11 groundwater recovery wells. When it comes time to sample these wells, RMT sampling technicians must manage several hundred gallons of purge water from each well to remove the prescribed three well volumes. Review of field notes collected during evaluation of field indicator parameters collected using a flow-through cell, YSI 556 multi-parameter instrument indicate that the field parameters from each well stabilize during the second well volume. During our site visit, we provided you with access to this data and explained the logistical difficulties and time delays associated with collecting a minimum of three well purge volumes and then properly managing the commensurate excess volume of purge water.

RMT has developed and implemented a revised sampling protocol that is proposed for future use during site sampling activities involving the 11 "A" and "B" series recovery wells. An example of how RMT has implemented this revised sampling strategy is provided below.

At groundwater recovery well A-5, an initial well volume of approximately 185.2 gallons of water was removed. At this point, the flow-through cell and multi-parameter instrument were connected to the purge tubing and an initial set of field indicator parameter readings were recorded (including: pH, dissolved oxygen [DO], oxidation reduction potential [ORP], temperature and specific conductivity [SC]). As well purging continued during the second purge volume, field indicator parameters were closely monitored on the YSI instrument and recorded at ¼ well volume intervals. The field parameter data recorded during this effort are presented in Table 1. Note how four sets of field indicator parameters were collected and recorded to document that the groundwater quality had effectively stabilized. If the field indicator parameters had not stabilized during the second purge volume, RMT sampling technicians would have continued the purge into the third well volume, when stable indicator

reading were achieved. Once field indicator parameters effectively stabilized in the field, VOC sample collection was conducted using United States Environmental Protection Agency (USEPA)-approved sampling techniques.

Table 1
Monitoring Well A5, YSI 556 Field Parameter Readings

GALLONS OF WATER PURGED	WELL VOLUME	pH	TEMPERATURE (°C)	SC (milliSiemens per centimeter)	DO (mg/L)	ORP (mV)
185.2	1	6.07	17.37	0.139	1.99	-77.0
205	1/8	6.08	17.32	0.139	2.06	-78.6
230	1/8	6.09	17.32	0.140	2.01	-79.4
250	1/8	6.10	17.34	0.139	1.97	-81.2

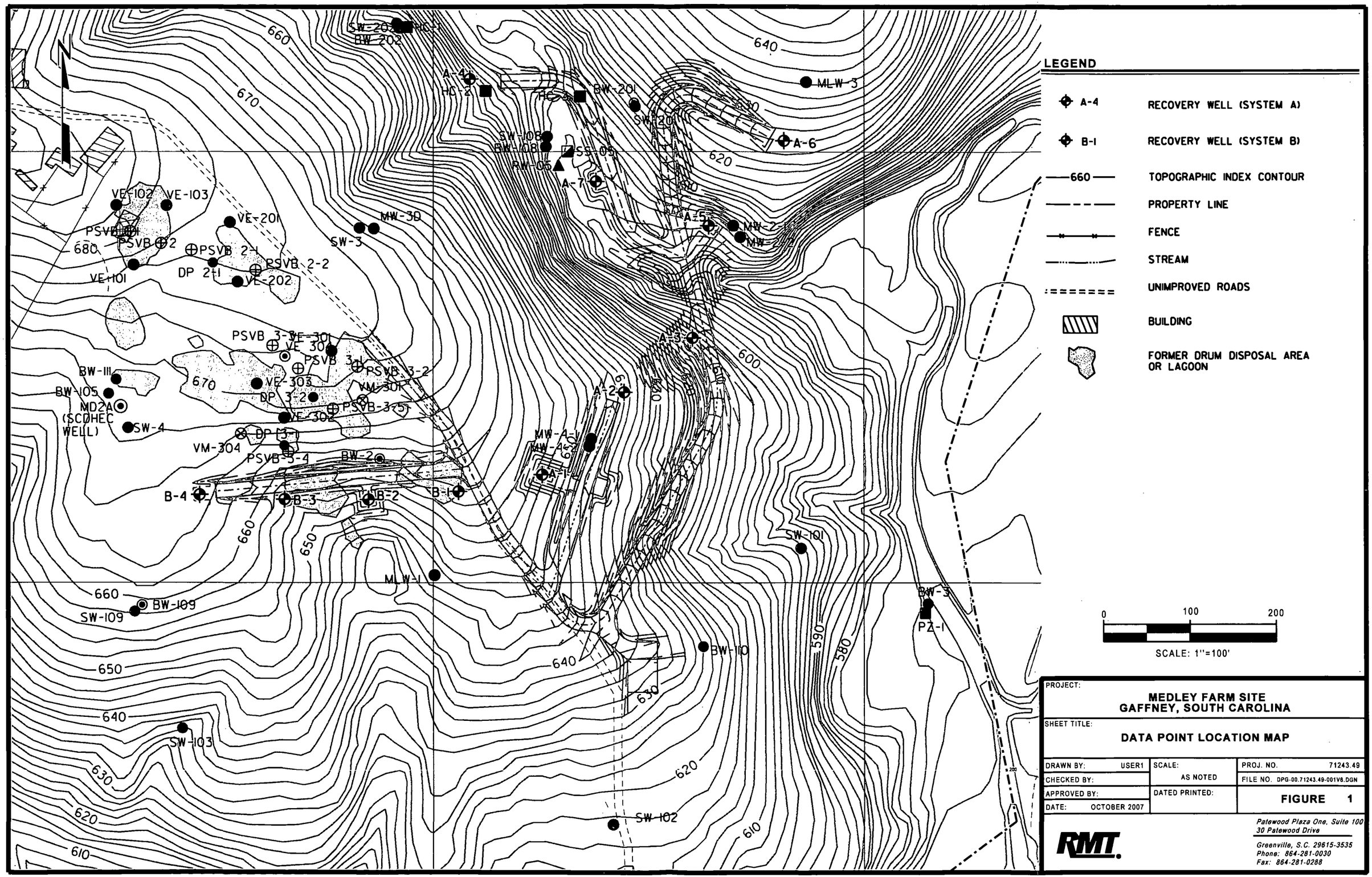
Given the observed success of these modifications to the well purging protocol at the "A" and "B" recovery wells, RMT proposes this purging procedure be approved for future use during future sampling events that might involve sampling of groundwater recovery wells A-1 through A-7 and B-1 through B-4 at the Medley Farm NPL site.

Additionally, we have communicated to the Medley Farm NPL Site Steering Committee that drought conditions exist within the unnamed tributary to Jones Creek and the streambed is presently dry for the first time since RMT has worked on the project. Thus, surface water samples cannot be collected at the sampling locations previously communicated to the Agency. During our site visit, it was suggested that Henry samplers could be utilized to collect groundwater samples at these various surface water sampling locations. After discussing this alternative internally, we request a delay for the collection of surface water samples until such time as surface water flow is re-established within the unnamed tributary to Jones Creek. This approach will allow for sampling data to be collected that is of a consistent media and more comparable to previous surface water quality data collected within the stream.

If you have any questions or comments regarding this technical memorandum, please do not hesitate to contact me at (864) 234-9187.

Attachment 1
A and B Series Well Locations

J:CAD\00-71243\ 49\DPG-00.71243.49-001V8.DGN
AHS 10-2-07



PROJECT:

MEDLEY FARM SITE
GAFFNEY, SOUTH CAROLINA

SHEET TITLE:

DATA POINT LOCATION MAP

DRAWN BY: USER1	SCALE: AS NOTED	PROJ. NO. 71243.49	
CHECKED BY:		FILE NO. DPG-00.71243.49-001V8.DGN	
APPROVED BY:	DATED PRINTED:	**FIGURE 1**	
DATE: OCTOBER 2007			

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