North Carolina Department of Environment and Natural Resources
Division of Waste Management

Pat McCrory
Governor

Dexter R. Matthews
Director

John E. Skvarla, III
Secretary

MEMORANDUM

Date: April 26, 2013

To: File - Sutton Property
LaGrange, Lenior County, NC
NONCD0002915

From: Sue Robbins, Hydrogeologist
Inactive Hazardous Sites Branch
Wilmington Regional Office
(910) 796-7411

Re: Connection to Hugh D. Waller / Travelers Service Station Site
NONCD0001877

The Hugh D. Waller Site is located across the street from the Sutton Property Site. The Hugh D. Waller Site is a Leaking Underground Storage Tank site which was closed out under the UST State Lead Program and also added to the Inactive Hazardous Site List on 3/20/2008 during the reorganization. No files or referral notice for the Hugh D. Waller Site were supplied to the IHSB at this time. Text from the July 9, 2012 Phase I Environmental Site Assessment for the Sutton Property indicates that NCDENR representatives indicated that solvent-based groundwater contamination was discovered at the Hugh D. Waller. No analytical data or other data has been located to demonstrate the chemical concentration or presence of chlorinated solvents at the Hugh D. Waller Site. It was speculated that the source of contamination at the Sutton Property is the Hugh D. Waller Site. Petroleum constituents found at both sites support this theory. However, the lack of documentation for the presence of chlorinated solvents at Hugh D. Waller Site prevents a conclusive determination of the source of chlorinated solvents at the Sutton Property.

North Carolina Department of Environment and Natural Resources
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April 26, 2013

Mr. Marcus Lionel Sutton
7943 Hwy 70 West
LaGrange, NC 28551

Re: **NOTICE OF REC PROGRAM ELIGIBILITY**
Sutton Property (proposed Family Dollar)
223 East Washington Street
LaGrange, Lenior County, NC

Dear Mr. Sutton:

Thank you for submitting the Site Cleanup Checklist/Questionnaire (Questionnaire) for the above subject site (Site). The Inactive Hazardous Sites Branch (Branch) has completed review of the Questionnaire and determined that the Site can be cleaned up through the Registered Environmental Consultant (REC) Program without direct oversight by Branch Staff. The following information is directed to the responsible party. Please note that a formal responsible party determination for the Site has not been performed.

Note that, if you have not already done so, you must take the initial abatement actions required under 15A NCAC 2L. Pursuant to 15A NCAC 2L .0106(b), any person conducting or controlling an activity which results in the discharge of a waste or hazardous substance to the groundwaters of the State, or in proximity thereto, shall take immediate action to terminate and control the discharge, and mitigate any hazards resulting from exposure to the pollutants. Pursuant to 15A NCAC 2L .0106(c), if groundwater standards have been exceeded, you must take immediate action to eliminate the source or sources of contamination. Beyond initial abatement actions, all assessment and remediation will be done through the Inactive Hazardous Sites Response Act (IHSRA).

Under the IHSRA, to receive approval of the assessment and clean up at the Site, you must enter into an administrative agreement with the Branch. Since the Branch has determined that the Site can be cleaned up through the REC Program, execution of an REC-Administrative Agreement (REC-AA) is required. The procedures for entering into an REC-AA are attached. If you have any questions regarding these procedures or the REC Program, please contact the REC Program Manager, Kim Caulk, at (919) 707-8350 or visit the REC Program website at http://portal.ncdenr.org/web/wm/sf/ihs/recprogram.

If we do not receive a response from you within the next 60 days indicating you willingness to enter an REC-AA, the Branch will take further action to prioritize the Site. Failure to take the initial abatement steps required in 15A NCAC 2L may result in the assessment of a civil penalty against you. In addition, the Branch may seek an injunction compelling compliance with the initial abatement steps required in 15A NCAC 2L. For future work beyond the initial abatement steps required pursuant to 15A NCAC 2L, a unilateral Order may be issued pursuant to N.C.G.S. 130A-310.3 to compel assessment and cleanup. In addition, if you choose not to conduct a cleanup voluntarily, the site may be referred to the United States Environmental Protection Agency (EPA). If so referred, EPA will screen the site for Federal enforcement action under the Federal Superfund Program, established under the Comprehensive Environmental Responsibility, Compensation, and Liability Act.

If you have additional questions about the requirements that apply to your site, please contact me at (910) 796-7411 or Susanne.Robbins@ncdenr.gov.

Sincerely,

Sue Robbins

Sue Robbins
Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section
Division of Waste Management

Enclosure: REC-AA Procedures

Robbins, Susanne

From: Duque, Tony
Sent: Monday, March 25, 2013 1:45 PM
To: Robbins, Susanne
Subject: FW: Proposed Additional Assessment for Eastern Pride Project, La Grange, Lenoir County
Attachments: image001.jpg; 72127112 Proposed LaGrange Family Dollar Groundwater Sampling Services Report esig.pdf

Good chatting just now, Sue. Here's Terracon's email and attached assessment report for the LaGrange Family Dollar store brownfields project. Hope it provides information that will advance IHSB's needs. Let me know where IHSB is headed on this incident and whether you would like to receive a copy of the final draft Brownfields Agreement prior to that document going into Public Comment. I think we're a few months away from PC. Thanks! - Tony

Tony Duque
Brownfields Project Manager
N.C. Brownfields Program
Div. of Waste Management
N.C. Department of Environment and Natural Resources
Division of Waste Management - Brownfields Program
Mail Service Center 1646, Raleigh, NC 27699-1646
tony.duque@ncdenr.gov
off - 919-707-8380
fax - 919-707-8380
http://www.ncbrownfields.org

****

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From: McColl Jr., K. Allen [mailto:kamccoll@terracon.com]
Sent: Friday, January 25, 2013 10:38 AM
To: Duque, Tony
Cc: 'Selden Taylor' (staylor@stockstaylor.com)
Subject: RE: Proposed Additional Assessment for Eastern Pride Project, La Grange, Lenoir County

Hello Tony and Selden,

Please find attached an electronic copy of the Groundwater Sampling Services Report for the Proposed Family Dollar/Eastern Pride Site in LaGrange, NC. It includes both discussions on the recent groundwater sampling data and receptor survey information. Sorry for taking a while getting this out. It took me longer than anticipated to pull all the receptor survey information and getting information from the Town of LaGrange Public Works Department together for the report. Instead of just giving you the sampling data, I wanted to present everything into one report that turn into a little more than a "letter type" report.

Please review when you get a chance and let me know if you have questions. I know Selden is ready to get to the construction phase of this project.

I will also send each of you some bound printed copies by mail too.

Thanks,

K. Allen McColl, Jr.

Staff Professional / Environmental Services

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kamccoll@terracon.com | **terracon.com**

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From: Duque, Tony [mailto:tony.duque@ncdenr.gov]
Sent: Tuesday, January 22, 2013 10:51 AM
To: McColl Jr., K. Allen
Cc: 'Selden Taylor' (staylor@stockstaylor.com)
Subject: RE: Proposed Additional Assessment for Eastern Pride Project, La Grange, Lenoir County

Allen – As none were attached to your last email, I guess I've been expecting to receive the analytical results or a letter report with those results and Terracon's conclusions from the recent groundwater sampling event conducted at the LaGrange Eastern Pride site. Please provide those results as soon as possible and I will review them right away and weigh-in on their possible significance regarding any vapor intrusion mitigation those results may suggest would be prudent.

Also, if you ended up installing conventional monitoring wells (screened PVC wells installed through hollow-stem augered borings) and surveyed the top-of-casings such that you could establish local datum and determine GW elevations and the likely groundwater flow direction, that site information would contribute to my evaluation of the hits detected and possible VI risk contaminants may pose.

Lastly, yes, feel free to use the receptor survey form you already have, tweaked (categories of and distances to receptors) as you see advisable, for this site's receptor survey.

Thanks for your help! - Tony

Tony Duque
Brownfields Project Manager
N.C. Brownfields Program
Div. of Waste Management
N.C. Department of Environment and Natural Resources
Division of Waste Management - Brownfields Program
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****

Please Note - my new

work phone (and fax) is: 919-707-8380
mailing address is: 1646 Mail Service Center, Room 3409-K, Raleigh, NC 27699-1646

street address is: 217 W. Jones Street, Room 3409-K, Raleigh, NC 27603
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From: McColl Jr., K. Allen [mailto:kamccoll@terracon.com]
Sent: Wednesday, December 19, 2012 11:24 AM
To: Duque, Tony
Cc: 'Selden Taylor' (staylor@stockstaylor.com)
Subject: RE: Proposed Additional Assessment for Eastern Pride Project, La Grange, Lenoir County

Good Morning Tony,

We have completed the groundwater sampling at LaGrange for the Eastern Pride site. I received sample results a few days ago. Looks like we have hits of Benzene and MTBE above 2L standards in one of the wells. This well would be near the southeastern corner of the proposed building pad. The other two groundwater samples within the proposed pad are clean. No solvents in any of the wells either.

Selden and I talked today about the sample results and we just wanted to pass the sample results along to you to make sure the finding of the Benzene and MTBE in the proposed building pad would not throw a "monkey wrench" into anything from the Brownfields side of things and Selden is good to go for buying and starting his construction. Don't think you guys get excited about petroleum contamination and just for solvents. The site already has a release of liability from the UST section for the petroleum contamination we initially found. Sounds like he has his eligibility from the Brownfields program and should be good to go to buy and start construction. Does this sound ok to you?

Also, don't think I ever saw the format you wanted for the receptor survey. Attached is one I used to do the receptor survey for a Brownfields site I have here in Greenville a few years ago. Will Service sent it to me. Is this the format you want me to use for the LaGrange receptor survey?

Thanks,

K. Allen McColl, Jr.
Staff Professional / Environmental Services

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kamccoll@terracon.com | **terracon.com**

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From: Duque, Tony [mailto:tony.duque@ncdenr.gov]
Sent: Monday, November 19, 2012 5:15 PM
To: McColl Jr., K. Allen
Cc: Selden Taylor
Subject: Proposed Additional Assessment for Eastern Pride Project, La Grange, Lenoir County

Hi, Allen – Thanks for providing the draft proposal for monitoring well installation & sampling at the subject Eastern Pride site and the map with proposed well locations. I like the proposed locations, by the way. I've reviewed the proposal and have given more thought to what the Brownfields Program really *needs*. Bottom line – I'm dropping the requirement to obtain groundwater elevation levels in these monitoring wells. That should open the door to using direct push for the installation of the wells and hopefully avoid a second mobilization and alleviate concerns about leaving wells unsecured overnight. Below are my proposed edits to your proposal:

- 1st paragraph, top of **page 2** – following "... of the site has..., strike "become tentatively" and insert "been determined by DENR to be";
- 2nd paragraph, page 2 – following "...the installation of three...," strike "permanent Type II" and insert "temporary";
- Same paragraph – strike" collection and evaluation of water level data in order to obtain groundwater flow direction";
- 2nd sentence of 2nd bullet under SCOPE OF SERVICES – after "...a truck-mounted" insert "direct push" or "Geoprobe";
- Same sentence – after "...install three..." strike "permanent Type II" and insert "temporary";
- Insert **new 3rd bullet** reading: "Following installation, each monitoring well will be appropriately developed and will be sampled using a low-flow sampling methodology";
- Insert a **new 4th bullet** reading: "Following sampling activities, each well will be properly abandoned.";
- 6th bullet (former 4th bullet) – following "...samples will be..." insert "submitted under proper chain-of-custody protocol to a NC-certified laboratory and";
- Same bullet – following "...analyzed for..." insert "volatile organic compounds and semi-volatile compounds";
- Same bullet – following "...EPA Method 8270..." insert ", respectively."; and
- Strike the former 6th & 7th bullets (beginning, "After the initial..." and "Terracon will return...", respectively).

If your previous experience at this site suggests it is *highly unlikely* to successfully install & sample three temp wells via direct push, let me know and we'll reconsider our options. In any event, I believe decisions regarding the possible need for vapor intrusion mitigation can be made on the basis of GW analytical results and without *technically* establishing the GW flow direction.

One item I'd like to see added to your scope of work, pending the Prospective Developer's approval, of course, is conducting a **receptor survey**... being especially careful to identify any water supply wells used within 500 feet of the subject property. Attached please find a receptor survey form prepared for brownfields sites. You don't have to use this format, but I would like most of these items evaluated and included in a brief receptor survey report.

If you have questions about any of my requested edits, let me know. Thanks for your help with this additional assessment work. - Tony

Tony Duque

Brownfields Project Manager
N.C. Brownfields Program
Div. of Waste Management
N.C. Department of Environment and Natural Resources
Division of Waste Management - Brownfields Program
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Please Note - my new

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street address is: 217 W. Jones Street, Room 3409-K, Raleigh, NC 27603
****

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From: McColl Jr., K. Allen [mailto:kamccoll@terracon.com]
Sent: Thursday, November 15, 2012 4:43 PM
To: Duque, Tony
Subject: RE: Letter of Eligibility for Eastern Pride Project, La Grange, Lenoir County

Hello Tony,

Selden Taylor would like us to get going on the groundwater sampling you are requested ASAP. I have put together a draft proposal of our proposed groundwater sampling services that makes a few assumptions of what I think you may want. I have also attached a site plan with where we are proposing to place the wells.

With some correspondences with Selden today, it sounds like you two discussed maybe doing some geoprobe temp wells. Based on our previous sampling at this site using a geoprobe unit, we encountered groundwater fairly shallow in one boring (the only groundwater sample we were able to collect) and attempted two or three additional borings without successfully reaching groundwater. Geoprobe unit only does well with groundwater found within 25 feet or so. Based on this, I think we should consider at minimum three temporary 2 inch wells by using an auger drill rig. Plus, if you are going to require groundwater flow data, we would need to set some true well points. The wells are going to need to set overnight once they are installed so that we can obtain static groundwater levels. I think it may even be better to consider a few permanent wells that would have lock and key manholes. The site right now has several mobile homes and I would hate if someone poured something into these open temporary wells that would be setting overnight. If everything goes ok with the sampling and gw elevation data, we could abandon the wells soon after their installation if Selden is worried about the wells being in his way of construction.

Please review the attachments when you get a chance and let me know if you agree with the scope and well placement.

Please let me know if you have questions.

Thanks,

K. Allen McColl, Jr.
Staff Professional / Environmental Services

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Please consider the environment before printing this email

From: McColl Jr., K. Allen
Sent: Thursday, November 15, 2012 9:22 AM

To: 'tony.duque@ncdenr.gov'
Subject: RE: Letter of Eligibility for Eastern Pride Project, La Grange, Lenoir County

Good Moring Tony,

I am trying to get together a proposal for Selden Taylor to perform the additional groundwater sampling that you have requested for the La Grange site. I gather from your email below to Selden that you would like to see three permanent Type II wells installed within the planned building foot print so that GW flow direction can be determined and grounder samples can be collected. Can we analyze these three GW samples for 8260 and 8270 since these two analysis produced hits above the reportable limits last time or did you have something else in mind? Do you want any soil samples collected during drilling? Also, do you have any particular reporting format/requirements in mind? I was thinking of just going with a "letter type" groundwater monitoring report, unless you will be requiring something else. Just wanted to clear a few things up before I finalized the proposal to Selden. Looks like you would like to look over our proposal too before we initiate the work.

Thanks,

K. Allen McColl, Jr.
Staff Professional / Environmental Services

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From: Selden Taylor [mailto:staylor@stockstaylor.com]
Sent: Tuesday, November 13, 2012 5:31 PM
To: McColl Jr., K. Allen
Subject: FW: Letter of Eligibility for Eastern Pride Project, La Grange, Lenoir County

B. Selden Taylor
President

Stocks & Taylor Construction, Inc.
1825 Carolina Avenue
PO Box 2147
Washington, NC 27889
(Phone) 252-975-5855
(Fax) 252-975-5811

From: Duque, Tony [mailto:tony.duque@ncdenr.gov]
Sent: Tuesday, November 13, 2012 3:14 PM
To: Selden Taylor

Cc: cfbonner@terracon.com
Subject: Letter of Eligibility for Eastern Pride Project, La Grange, Lenoir County

Good talking with you, Selden. I appreciate the way you and I are connecting. Attached please find the Letter of Eligibility for the captioned project. That letter was issued on Nov 9th.

I took a look at the contaminants detected in the single on-site groundwater (GW) monitoring well, GW-1, and the industrial/commercial vapor intrusion (VI) screening level for contaminant concentrations in GW was exceeded for Benzene, Naphthalene and Xylenes. Those exceedances make it even more important to get additional GW data.

I know I proposed adding two more GW sampling points, but I'd like to add a *third*. Doing so will provide a broader picture of GW quality at the site, and will also allow us to determine the GW flow direction at the site... both pieces of information will facilitate risk management decisions for this property. As we discussed, these new GW locations should be distributed across the area proposed for the new building.

I'm copying Carl Bonner on this and would like to discuss this additional sampling effort with Terracon... take a look at their proposal... prior to their mobilization to the site. Thanks for your help along those lines. - Tony

Tony Duque

Brownfields Project Manager
N.C. Brownfields Program
Div. of Waste Management
N.C. Department of Environment and Natural Resources
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Terracon provides geotechnical, environmental, construction materials, and facilities consulting engineering services delivered with responsiveness, resourcefulness, and reliability.

Private and confidential as detailed here (www.terracon.com/disclaimer). If you cannot access hyperlink, please e-mail sender.

Groundwater Sampling Services Report

Proposed Family Dollar Retail Store

223 East Washington Street

LaGrange, Lenoir County, North Carolina

January 25, 2013

Terracon Project No. 72127112

NC Brownfields Project No. 16034-12-054

Prepared for:

Stocks and Taylor Construction, Inc.
Washington, North Carolina

Prepared by:

Terracon Consultants, Inc.
Winterville, North Carolina

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Terracon

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

January 25, 2013

Stocks and Taylor Construction, Inc.
PO Box 2147
Washington, North Carolina 27889

Attention: Mr. Selden Taylor

Subject: Additional Groundwater Sampling Services Report
Proposed Family Dollar Retail Store
223 East Washington Street
LaGrange, Lenoir County, North Carolina
Terracon Project No.: 72127112
NC Brownfields Project No. 16034-12-054

Dear Mr. Taylor:

Terracon Consultants, Inc. (Terracon) is pleased to submit this Groundwater Sampling Services Report for the site referenced above. The report presents data from recent field activities that included installation of three temporary groundwater monitoring wells, the collection of groundwater samples for chemical analysis, a groundwater flow direction evaluation and a receptor survey. The activities were completed to address North Carolina Department of Environment and Natural Resources (NCDENR) directives due to solvent contamination that was discovered during soil and groundwater sampling services performed at the site in June 2012 during a Phase I Environmental Site Assessment (ESA). The Terracon's ESA (Terracon Project Number 72127052), dated July 9, 2012, was submitted to NCDENR for review.

Terracon conducted the Groundwater Sampling Services in general accordance with our proposal (Terracon Proposal Number P72120299) dated November 20, 2012.

Terracon appreciates this opportunity to provide environmental engineering services. Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
Terracon Consultants, Inc.

Allen McColl
Staff Professional
Environmental Services

Carl F. Bonner, PE
Principal / Office Manager

1/25/13

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APPENDIX A – Exhibits
Exhibit 1 – Topographic Map
Exhibit 2 – Site Diagram
Exhibit 3 – Groundwater Sampling Location & Groundwater Flow Direction Map
Exhibit 4 – Aerial Photograph (with underground utility locations)

APPENDIX B – Analytical Report and Chain of Custody

APPENDIX C – Brownfields Area Reconnaissance and Receptor Survey Guidance Form

GROUNDWATER SAMPLING SERVICES REPORT
PROPOSED FAMILY DOLLAR RETAIL STORE
223 EAST WASHINGTON STREET
LAGRANGE, LENIOR COUNTY, NORTH CAROLINA

Terracon Project No. 72127112
Report Date: January 25, 2013

1.0 SITE DESCRIPTION

The site is located at 223 East Washington Street in LaGrange, Lenoir County, NC and is comprised of two parcels (Parcel ID Numbers 17015 and 17016) that total approximately 1.03 acres. On the date of our sampling activities, the site contained a residence, a few mobile homes, a mini storage building and the concrete slab for a former car wash. During our sampling activities, demolition of the mobile homes was occurring. It is our understanding that the residence, mobile home and mini storage building are planned for demolition or will be moved off site. The site is proposed to be redeveloped with a Family Dollar Retail Store.

A Topographic Map showing the site location is included as Exhibit 1, a Site Diagram is included as Exhibit 2, a Groundwater Sampling and Groundwater Flow Direction Map as Exhibit 3 and a Aerial Photograph that includes an overlay of underground utilities are included in Appendix A.

2.0 PROJECT INFORMATION

Project information was obtained from our review our Phase I Environmental Assessment (ESA) dated July 9, 2012 (Terracon Project No. 72127052) and through correspondences with North Carolina Department of Natural Resources (NCDENR) Brownfields Program personnel.

In our ESA Report, we indicated a Recognized Environmental Condition (REC) for the southern adjoining property across E. Washington St. This property is the Travelers Service Station and is a REC due to this facility being apparently up-gradient to the subject site, having an open State Hazardous Waste Sites (SHWS) incident and a Leaking Underground Storage Tank (LUST) incident being closed out with minimal investigations.

Based on this REC, Terracon performed Limited Site Investigation (LSI) services within the ESA report. The LSI consisted of limited soil and groundwater sampling along the southern property line in order to ascertain whether contamination has migrated onto the site from the southern adjoining property. Based on analytical results during the LSI portion of the ESA, soil and groundwater contamination above the North Carolina Department of Natural Resources (NCDENR) reportable limits was discovered onsite. Both petroleum-based soil and groundwater contamination and solvent-based groundwater contamination was discovered onsite.

With permission from the client, we provided NCDENR a copy of our ESA report. We understand that the Underground Storage Tank (UST) Section of NCDENR reviewed and issued letter dated July 11, 2012 that indicated that the UST Section would not hold the owners/future developers of the site responsible for the petroleum portion of the discovered contamination.

A separate branch of NCDENR handles solvent-based contamination. This branch of NCDENR, the Inactive Hazardous Waste Branch (IHWB), was also notified about the contamination. According to conversations with the IHWB, they do not grant liability release for off-site contamination in a similar way as the UST Section. According to IHWB personnel, in order for the current property owners or future buyers of the property to receive liability release from NCDENR for the solvent contamination, the current site owner or prospective buyer would need to obtain a Brownfields Agreement (BFA) through the North Carolina Brownfields Program (NCBP) section of NCDENR.

We understand that the Prospective Developer of the site has been determined by NCDENR to be eligible for a BFA. We further understand that the NCBP has requested that groundwater samples be obtained in the planned building footprint in order to move the BFA towards finalization.

Mr. Tony Duque with NCBP, requested the following: the installation of three temporary groundwater monitoring wells within the planned building footprint; collection and evaluation of water level data in order to determine groundwater flow direction; collection of groundwater samples from each well; analysis of the groundwater samples for volatiles using EPA Method 8260 and semi-volatiles using EPA Method 8270; and a groundwater sampling report that includes groundwater sampling data and site maps.

Based on a follow-up conversation with Mr. Duque, he also requested that a receptor survey be performed that would include identifying water supply wells and surface waters within 500 feet of the discovered contamination. Mr. Duque indicated that we could present the findings of the receptor survey using the “Brownfields Area Reconnaissance and Receptor Survey Guidance Form” or a similar receptor survey format.

2.1 Standard of Care

Terracon’s services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These Groundwater Sampling Services were performed in accordance

with the scope of work agreed with you, our client, as reflected in our proposal and were not restricted by ASTM E1903-11.

2.2 Additional Scope Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during these Additional Environmental Sampling services. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations, or exploratory services. The data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

Reliance

This report has been prepared for the exclusive use of Stocks and Taylor Construction, Inc., and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Stocks and Taylor Construction, Inc. and Terracon. Any unauthorized distribution or reuse is at Stocks and Taylor Construction, Inc. sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, Groundwater Sampling Services Report, and Terracon's Agreement for Services. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to Stocks and Taylor Construction, Inc. and all relying parties unless otherwise agreed in writing.

3.0 FIELD INVESTIGATION

Terracon conducted the fieldwork under a safety plan developed for this project. Work was performed using United States Environmental Protection Agency (USEPA) Level D work attire consisting of hard hats, safety glasses, protective gloves and protective boots. Prior to the start of the subsurface investigation, Terracon contacted NC One Call to request that the public underground utilities be located. Due to the potential for private underground utilities to be in the planned drilling area, Terracon also contracted with a private utility location firm.

In order to complete the Groundwater Sampling Services, Terracon performed the following:

- Contacted NC One Call in order to have public underground utilities located prior to our drilling services. In addition, Terracon subcontracted with a private utility location firm in order to have private utilities located.
- Mobilized to the site along with our drilling subcontractor. Our drilling subcontractor utilized a truck-mounted rig to install three temporary groundwater monitoring wells. Each monitoring well was installed within the planned retail building footprint.
- Following installation, each monitoring well was approprately developed and was sampled using a low-flow sampling methodology.
- The samples were submitted under proper chain-of-custody protocol to a NC-certified laboratory and analyzed using a standard turnaround time, typically 7 to 10 days.
- The groundwater samples were analyzed for volatile organic compounds and semi-volatile compounds using EPA Method 8260 and EPA Method 8270 respectively.
- After the initial installation/sampling of the monitoring wells, Terracon allowed the wells to stabilze for 24 hours in order to determine the static groundwater levels at each well.
- Terracon returned to the site after this 24 hour stabilization period in order to survey the wells in order to determine groundwater flow direction.
- Following the collection of the groundwater elevation data, each temporary well was properly abandoned.
- Performed a receptor survey by performing reconnaissance for properties within 500 feet of the source area; mailing out supply well survey forms to landowners within 500 ft of the source area; talking to Town of LaGrange Public Works personnel to ascertain potential underground conduits that would be in vicinity of the source area; and reviewing pertinent information on Lenoir County's GIS database and tax office.
- Issued this report of our findings and provided the receptor survey using a NCDENR approved format.

The field activities were conducted on December 2, 2012 and December 3, 2012 under the supervision of Mr. Allen McColl, environmental professional with Terracon.

Temporary Well Drilling/Groundwater Sampling

Field activities on December 2, 2012 included the supervision of the installation of three temporary groundwater monitoring wells (TMW-1, TMW-2 and TMW-3) and obtaining groundwater samples from these wells.

Drilling services were performed by a State of North Carolina licensed driller using a truck-mounted drill rig. The drilling services consisted of the advancement of three temporary groundwater monitoring wells in the general area of the planned building footprint. The

temporary groundwater monitoring wells were 2-inch diameter wells installed to a depth of approximately 25 feet below land surface. Each temporary well consisted of a ten foot section of 0.010-inch machine slotted PVC well screen with a 15 foot flush joint PVC riser. The temporary wells were backfilled with a pre-sieved silica sand pack from the bottom of the boring to approximately 2 feet above the top of the well screen.

Prior to groundwater sample collection, each temporary well was purged using a disposable bailer until the groundwater was relatively clear. A separate disposable bailer was used for each well.

Groundwater samples were then collected using disposable bailers while. Groundwater samples were placed into laboratory prepared jars. The groundwater samples were then placed in laboratory prepared containers and placed in a cooler with ice.

The sample cooler containing both soil and groundwater samples and the completed chain-of-custody form was relinquished to Pace Analytical, Inc., an analytical laboratory in Huntersville, NC for standard turnaround.

The analytical data is further discussed in Section 4.0 of this report.

Groundwater Flow Direction

Field activities on December 3, 2012 included the collection of groundwater elevations.

Once installed, these three temporary groundwater monitoring wells were sampled and allowed to recharge for 24 hours to establish their static groundwater levels. After 24 hours, Terracon returned to the site to obtain groundwater elevations from TMW-1, TMW-2 and TMW-3 using surveying equipment.

Based on our groundwater elevation data, it was determined that the groundwater flow direction would be towards the north-northwest. The groundwater flow direction map is included in Appendix A of this report.

Following groundwater elevation collection, the temporary wells were properly abandoned using bentonite pellets from the bottom of the boring to within a foot of the land surface and topped with sand backfill.

Receptor Survey

The receptor survey occured between December 2, 2012 and January 16, 2013 and included visual inspections for receptors by performing reconnaissance for properties within 500 feet of the site; mailing out supply well/receptor survey forms to landowners within 500 ft of the site; talking to Town of LaGrange Public Works personnel to ascertain potential underground

conduits that would be in vicinity of the source area; and reviewing pertinent information on Lenoir County's GIS database and tax office.

Water supply wells or basements were not identified within 500 feet of the site.

Several underground utilities were noted onsite. The underground utilities include a water line along the southern and eastern proeprty lines; a sanitary sewer that extends along a central portion of the site; a stormwater sewer line that extends along the southern and eastern property lines; an apparent disconnected phone line that extends through a portion of the site; and an underground electrical line that extends along a portion of the western property line. The general locations of these underground utilities are included on Exhibit 4 in Appendix 4.

The closest public water supply well was identified as "Well 2" for the Town of LaGrange and located approximately 2 miles southeast of the site.

The findings of the receptor survey are further discussed in the "Brownfields Area Reconnaissance and Receptor Survey Guidance Form" located in Appendix C of this report.

4.0 ANALYTICAL RESULTS

A groundwater sample was obtained from TMW-1, TWM-2 and TMW-3. Each sample was analyzed for volatiles using EPA Method 8260 and semi-volatiles using EPA Method 8270.

Laboratory results are summarized in the tables included below in this section of the report. The executed chain-of-custody form and laboratory data sheets are provided in Appendix B.

Groundwater Sample Results

Groundwater sample TMW-1 was analyzed to be above NCDENR's 2L groundwater quality standards for Benzene and Methyl-tert-butyl ether (MTBE). Diisopropyl ether was also detected in TMW-1, but was analyzed to be below NCDENR's 2L groundwater quality standards.

The groundwater samples collected from TMW-2 and TMW-3 were analyzed to be below the laboratory's method detection limits.

Tetrachloroethene (PCE) or other solvents were not analyzed in these three groundwater samples.

Groundwater laboratory results compared to NCDENRs Groundwater Quality Standards and NCDENR's Gross Contamination Levels for Groundwater are summarized in Tables 4 and 5. Please note that no constituents were analyzed to be above NCDENR's Gross Contamination Levels for groundwater.

Table 4 – Volatile Groundwater Sampling Summary

EPA 8260 Sample Results (ug/l)											
Sample ID	Benzene	Diisopropyl Ether	Ethylbeneze	MTBE	Naphthalene	Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)	Vinyl Chloride	m&p Xylene	o-xylene
TMW-1	**64.4**	**25.4**	ND	**78.4**	ND	ND	ND	ND	ND	ND	ND
TMW-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TMW-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NC 2L Groundwater Quality Standards (ug/l)	**1**	**70**	**600**	**20**	**6**	**0.7**	**600**	**3**	**0.03**	**500**	**500**
Gross Contamination Levels for Groundwater (ug/l)	**5000**	**70,000**	**84,500**	**20,000**	**6000**	**700**	**260,00**	**3000**	**30**	**85,500**	**85,500**

Shaded constituents are above NCDENRs Groundwater Quality Standards. Quantities are reported in ug/l (parts per billion); ND = Non Detect (constituent was analyzed to be below the laboratory's method detection limit); Constituents not listed in the table above were analyzed to be ND.

Table 5 – Semi-volatile Groundwater Sampling Summary

EPA 8270 Sample Results (ug/l)				
Sample ID	Anthracene	Fluorene	2-Methylnaphthalene	Naphthalene
TMW-1	ND	ND	ND	ND
TMW-2	ND	ND	ND	ND
TMW-3	ND	ND	ND	ND
NC 2L Groundwater Quality Standards (ug/l)	**2000**	**300**	**30**	**6**
Gross Contamination Levels for Groundwater (ug/l)	**2000**	**300**	**12,500**	**6000**

Shaded constituents are above NCDENRs Groundwater Quality Standards. Quantities are reported in ug/l (parts per billion); ND = Non Detect (constituent was analyzed to be below the laboratory's method detection limit); Constituents not listed in the table above were analyzed to be ND.

5.0 INVESTIGATION DERIVED WASTES

Soil cuttings, groundwater and equipment cleaning water generated during the field activities are not required to be containerized by NCDENR. These materials were spread out on-site around the general boring locations.

6.0 CONCLUSIONS

Based on the scope of services described in this report and subject to the limitations described herein, Terracon concludes the following.

- PCE, or other solvents, were not analyzed in the three groundwater samples collected during this current sampling event.
- Contamination above NCDENR's 2L groundwater quality standards for the solvent PCE was previously analyzed in a groundwater sample located near the southeastern property corner. Based on current results, it appears that the PCE groundwater contamination is localized to this area of the site. Based on the groundwater flow data, the PCE contamination could have originated from a documented PCE release on the southern adjoining property (Traveler's Service Station).
- Benzene and MTBE were analyzed in the groundwater sample collected from TMW-1 (near the southeastern corner of the proposed building). These two constituents were analyzed to be above NCDENR's 2L groundwater quality standards.
- Both Benzene and MTBE were analyzed in the previous groundwater sample collected near the southeastern property corner. Potentially, the Benzene and MTBE analyzed in TMW-1 are associated with this previous documented contamination and could be related to the documented release from the southern adjoining property (Traveler's Service Station).
- Additional constituents analyzed during this current sampling event were either below the 2L groundwater quality standards or below the laboratory's method detection limits.
- Receptors of concern were not identified during the receptor survey.

7.0 RECOMMENDATIONS

Based on the analytical results being above NCDENR's 2L groundwater quality standards for PCE at one area onsite, Terracon recommends that the client continue with trying to obtain a Brownfields Liability Protection Agreement with the NCDENR's Brownfields Program.

The site has been granted a liability release for the petroleum contamination through the NCDENR UST Section.

Based on the findings of the environmental investigations to date, Terracon does not recommend that additional environmental investigations be performed. Terracon does recommend that should contaminated soil be encountered during the site redevelopment, contaminated soils that are brought aboveground should be hauled to a permitted land farm for property disposal.

APPENDIX A – EXHIBITS

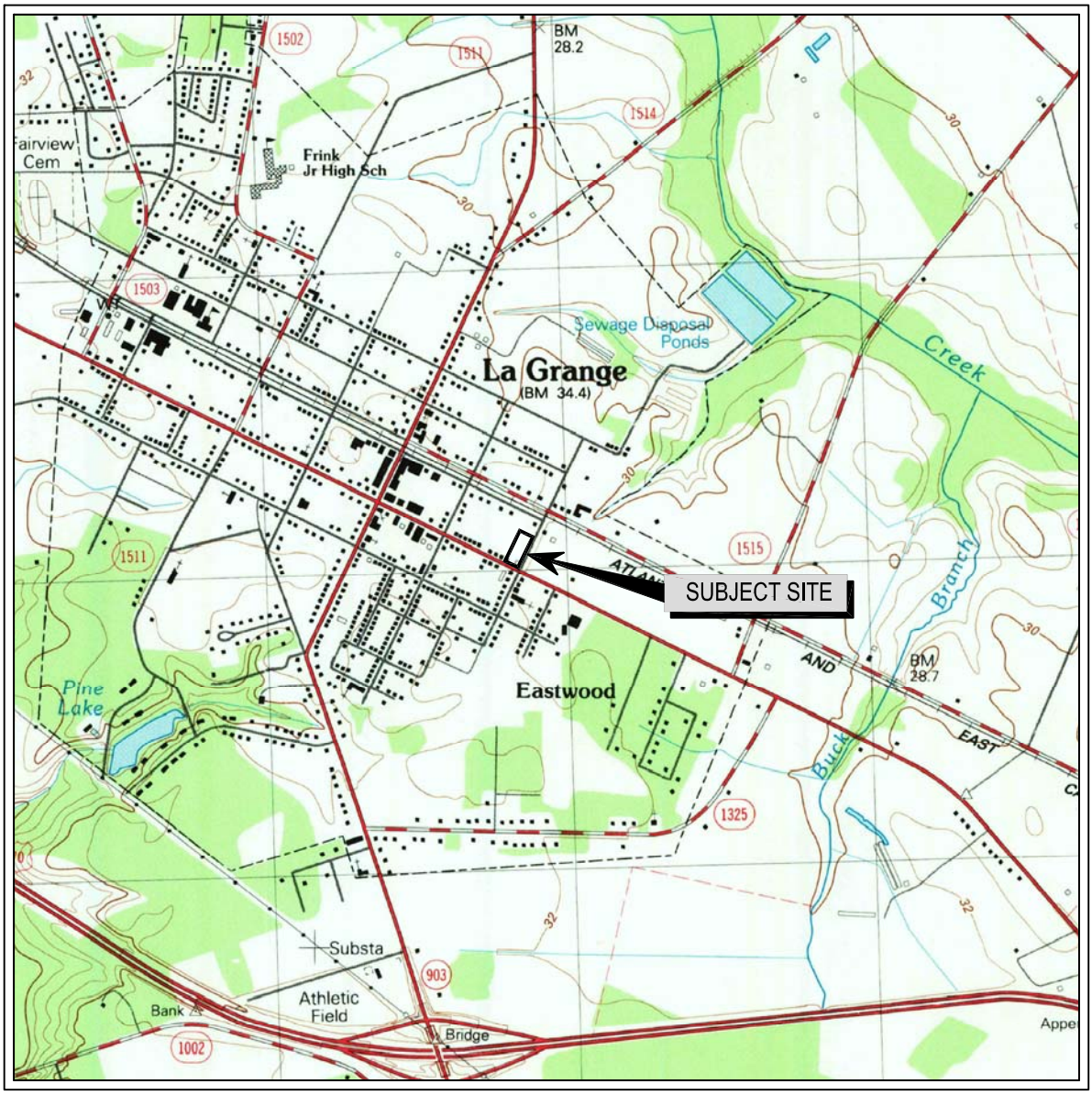
Exhibit 1 – Topographic Map

Exhibit 2 – Site Diagram

Exhibit 3 – Groundwater Sampling Location & Groundwater Flow Direction Map

Exhibit 4 – Aerial Photograph

UNITED STATES — DEPARTMENT OF THE INTERIOR — GEOLOGICAL SURVEY



SCALE 1:24 000

1 .5 0 KILOMETERS 1 2

1000 0 METERS 1000 2000

1 .5 0 1

MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000

FEET

CONTOUR INTERVAL 2 METERS

NATIONAL GEODETIC VERTICAL DATUM OF 1929

N

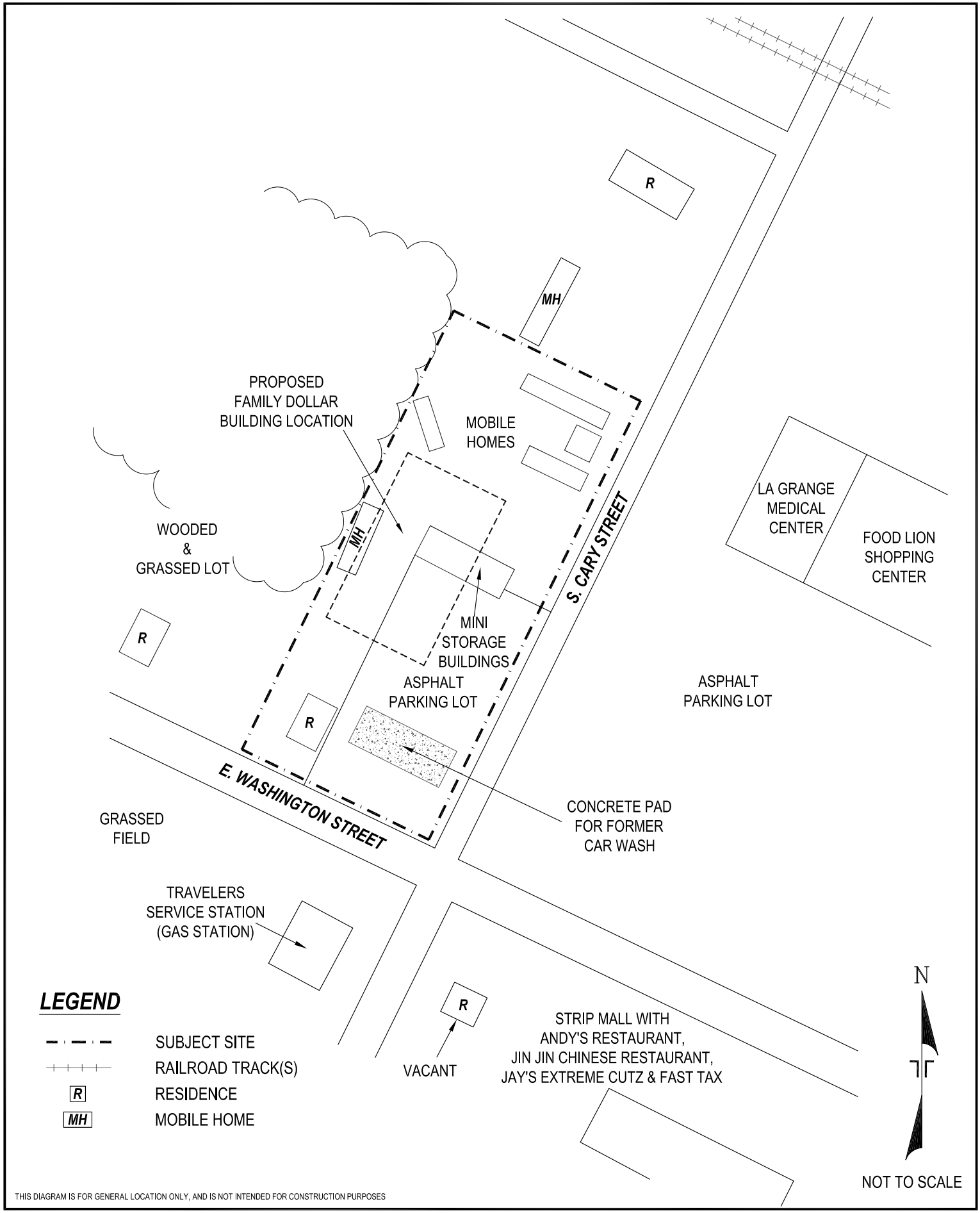
QUADRANGLE

LA GRANGE, NC

1983

7.5 MINUTE SERIES (TOPOGRAPHIC)

Project Mngr: KAM	Project No. 72127112	Terracon Consulting Engineers and Scientists	TOPOGRAPHIC VICINITY MAP	EXHIBIT
Drawn By: DWD	Scale: AS SHOWN		GROUNDWATER SAMPLING SERVICES	
Checked By: KAM/MRF	File No. GW72127112-1		PROPOSED LA GRANGE FAMILY DOLLAR	
Approved By: CB	Date: JAN. 2013	314 Beacon Drive Winterville, NC 28590 (252) 353-1600 (252) 353-0002	223 E. WASHINGTON ST. LA GRANGE, LENOIR CO., NC	1

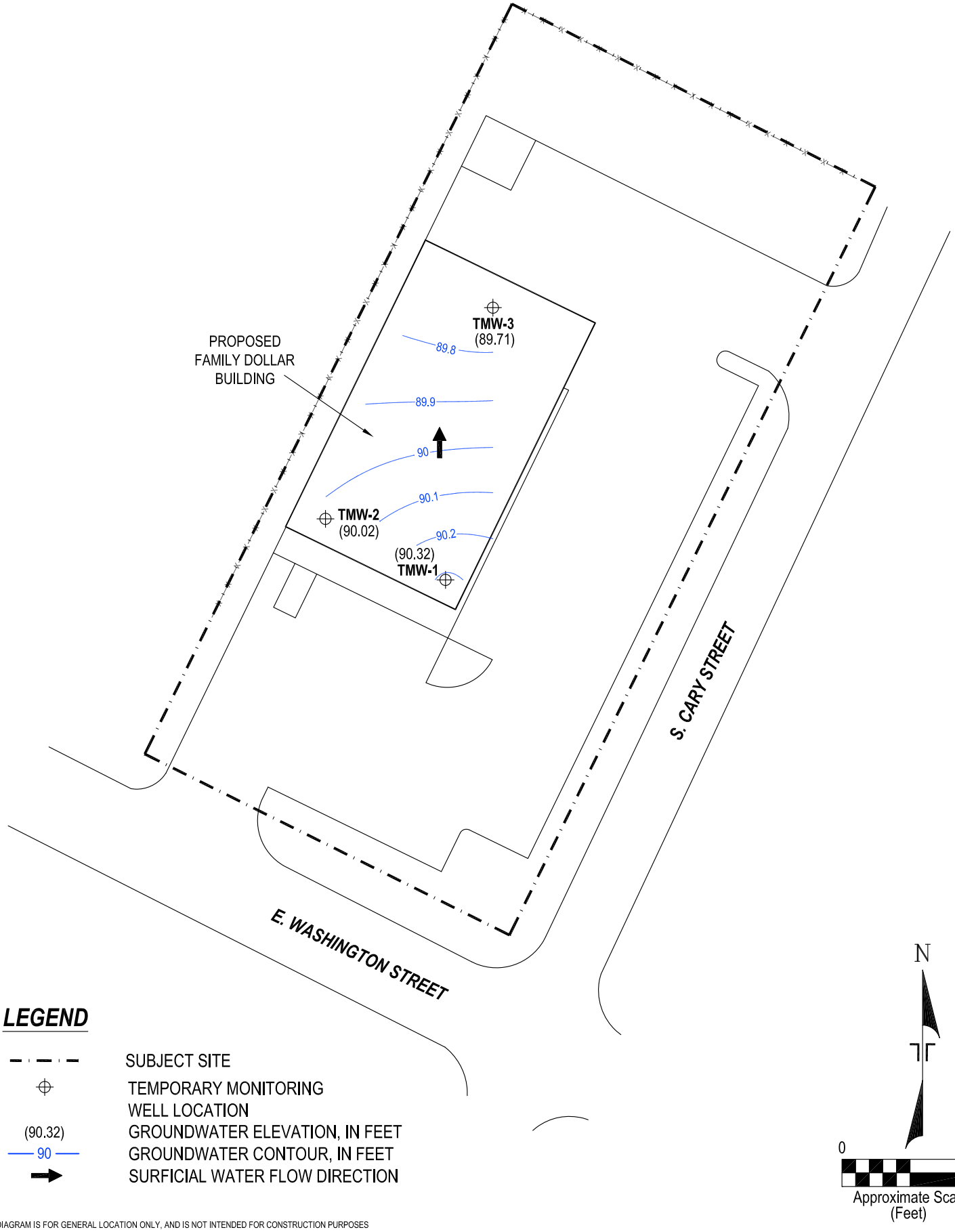


THIS DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr: KAM	Project No. 72127112	Terracon Consulting Engineers and Scientists	SITE DIAGRAM
Drawn By: DWD	Scale: AS SHOWN	314 Beacon Drive Winterville, NC 28590	GROUNDWATER SAMPLING SERVICES
Checked By: KAM/MRF	File No. GW72127112-2	(252) 353-1600 (252) 353-0002	PROPOSED LA GRANGE FAMILY DOLLAR
Approved By: CB	Date: JAN. 2013		223 E. WASHINGTON ST.
			LA GRANGE, LENOIR CO., NC

EXHIBIT

2



LEGEND

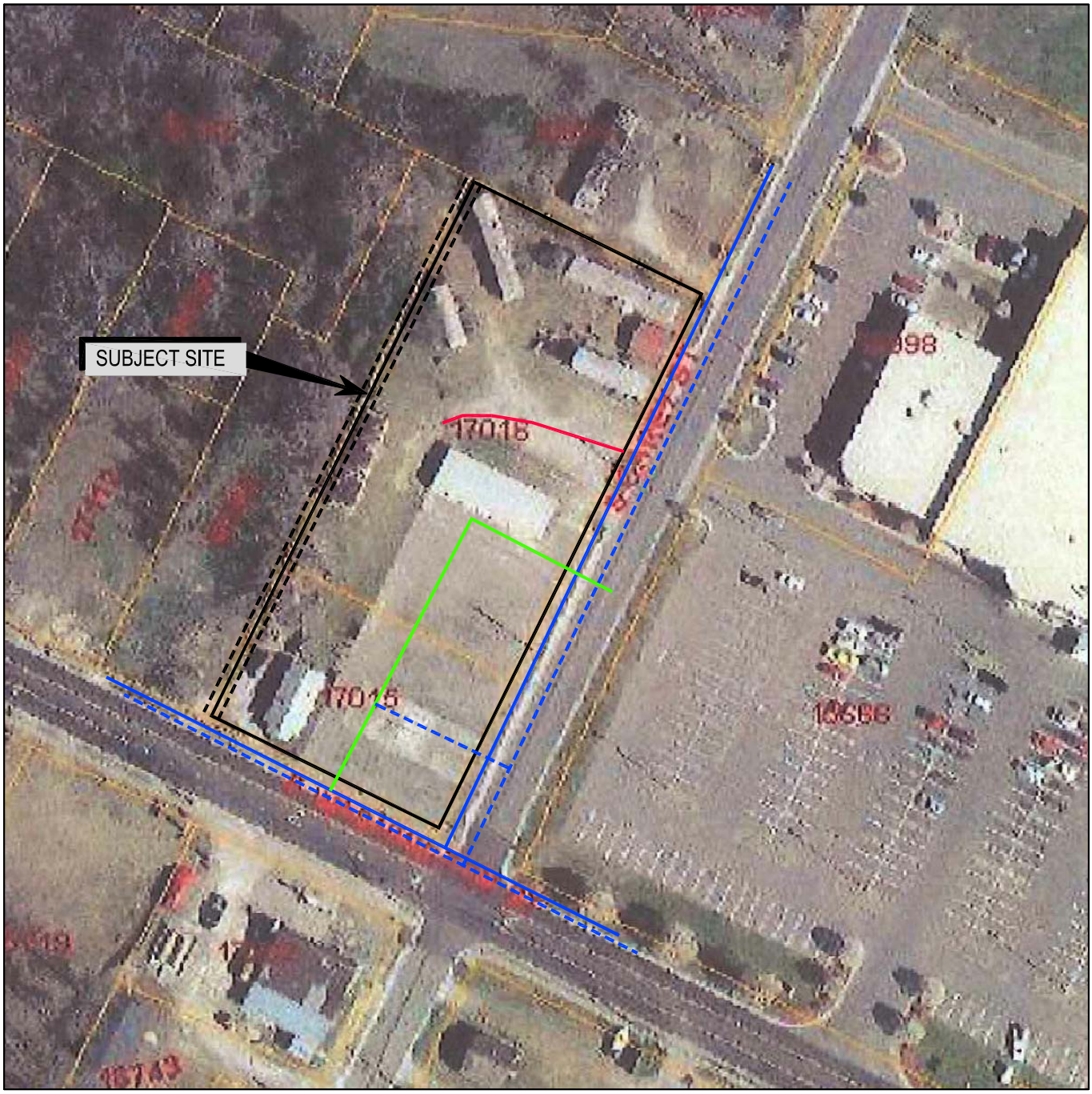
— · — · —	SUBJECT SITE
⊕	TEMPORARY MONITORING WELL LOCATION
(90.32)	GROUNDWATER ELEVATION, IN FEET
— 90 —	GROUNDWATER CONTOUR, IN FEET
➡	SURFICIAL WATER FLOW DIRECTION

THIS DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr: KAM	Project No. 72127112	Terracon Consulting Engineers and Scientists	GROUNDWATER SAMPLE LOCATION & GROUNDWATER FLOW DIRECTION MAP
Drawn By: DWD	Scale: AS SHOWN	314 Beacon Drive Winterville, NC 28590	GROUNDWATER SAMPLING SERVICES
Checked By: KAM/MRF	File No. GW72127112-3	(252) 353-1600 (252) 353-0002	PROPOSED LA GRANGE FAMILY DOLLAR
Approved By: CB	Date: JAN. 2013		223 E. WASHINGTON ST.
			LA GRANGE, LENOIR CO., NC

EXHIBIT

3



2008 AERIAL PHOTOGRAPH

LEGEND

- WATER LINE
- SANITARY SEWER LINE
- STORMWATER SEWER LINE
- UNDERGROUND ELECTRICAL LINE
- DISCONNECTED PHONE LINE

N

0 100

Approximate Scale (Feet)

* SITE BOUNDARIES ARE APPROXIMATE

Project Mngr: KAM	Project No. 72127112	Terracon Consulting Engineers and Scientists	AERIAL PHOTOGRAPH	EXHIBIT
Drawn By: DWD	Scale: AS SHOWN	314 Beacon Drive Wintervlle, NC 28590	GROUNDWATER SAMPLING SERVICES	
Checked By: KAM/MRF	File No. GW72127112-4	(252) 353-1600 (252) 353-0002	PROPOSED LA GRANGE FAMILY DOLLAR	4
Approved By: CB	Date: JAN. 2013		223 E. WASHINGTON ST.	
			LA GRANGE, LENOIR CO., NC	

APPENDIX B – ANALYTICAL REPORT AND CHAIN OF CUSTODY

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
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(336)623-8921

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2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

December 11, 2012

Mr. Allen McColl
Terracon
314 Beacon Drive
Winterville, NC 28590

RE: Project: LAGRANGE FD
Pace Project No.: 92140478

Dear Mr. McColl:
Enclosed are the analytical results for sample(s) received by the laboratory on December 04, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Herring

kevin.herring@pacelabs.com
Project Manager

Enclosures

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: LAGRANGE FD
Pace Project No.: 92140478

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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SAMPLE ANALYTE COUNT

Project: LAGRANGE FD
Pace Project No.: 92140478

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92140478001	**TMW-1**	EPA 8270	PPM	74	PASI-C
		EPA 8260	KJM	64	PASI-C
92140478002	**TMW-2**	EPA 8270	PPM	74	PASI-C
		EPA 8260	KJM	64	PASI-C
92140478003	**TMW-3**	EPA 8270	PPM	74	PASI-C
		EPA 8260	KJM	64	PASI-C

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ANALYTICAL RESULTS

Project: LAGRANGE FD
Pace Project No.: 92140478

Sample: TMW-1 **Lab ID: 92140478001** Collected: 12/03/12 12:45 Received: 12/04/12 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	208-96-8	
Aniline	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	62-53-3	
Anthracene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	207-08-9	
Benzoic Acid	ND	ug/L	50.0	1	12/06/12 10:55	12/07/12 16:03	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:03	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:03	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:03	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	7005-72-3	
Chrysene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:03	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:03	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	12/06/12 10:55	12/07/12 16:03	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	1	12/06/12 10:55	12/07/12 16:03	117-81-7	
Fluoranthene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	206-44-0	
Fluorene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	193-39-5	
Isophorone	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	78-59-1	

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(704)875-9092

ANALYTICAL RESULTS

Project: LAGRANGE FD
Pace Project No.: 92140478

Sample: TMW-1 **Lab ID: 92140478001** Collected: 12/03/12 12:45 Received: 12/04/12 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1-Methylnaphthalene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03		
Naphthalene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	1	12/06/12 10:55	12/07/12 16:03	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	12/06/12 10:55	12/07/12 16:03	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:03	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	12/06/12 10:55	12/07/12 16:03	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	12/06/12 10:55	12/07/12 16:03	87-86-5	
Phenanthrene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	85-01-8	
Phenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	108-95-2	
Pyrene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:03	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	72	%	21-110	1	12/06/12 10:55	12/07/12 16:03	4165-60-0	
2-Fluorobiphenyl (S)	88	%	27-110	1	12/06/12 10:55	12/07/12 16:03	321-60-8	
Terphenyl-d14 (S)	90	%	31-107	1	12/06/12 10:55	12/07/12 16:03	1718-51-0	
Phenol-d6 (S)	31	%	10-110	1	12/06/12 10:55	12/07/12 16:03	13127-88-3	
2-Fluorophenol (S)	44	%	12-110	1	12/06/12 10:55	12/07/12 16:03	367-12-4	
2,4,6-Tribromophenol (S)	74	%	27-110	1	12/06/12 10:55	12/07/12 16:03	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/09/12 05:44	67-64-1	
Benzene	**64.4**	ug/L	1.0	1		12/09/12 05:44	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/09/12 05:44	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/09/12 05:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/09/12 05:44	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/09/12 05:44	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/09/12 05:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/09/12 05:44	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		12/09/12 05:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/09/12 05:44	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/09/12 05:44	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/09/12 05:44	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/09/12 05:44	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/09/12 05:44	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/09/12 05:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/09/12 05:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/09/12 05:44	124-48-1	

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ANALYTICAL RESULTS

Project: LAGRANGE FD
Pace Project No.: 92140478

Sample: TMW-1 **Lab ID: 92140478001** Collected: 12/03/12 12:45 Received: 12/04/12 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/09/12 05:44	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/09/12 05:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/09/12 05:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/09/12 05:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/09/12 05:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/09/12 05:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/09/12 05:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/09/12 05:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/09/12 05:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/09/12 05:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/09/12 05:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/09/12 05:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/09/12 05:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		12/09/12 05:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/09/12 05:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/09/12 05:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/09/12 05:44	10061-02-6	
Diisopropyl ether	**25.4**	ug/L	1.0	1		12/09/12 05:44	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		12/09/12 05:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/09/12 05:44	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		12/09/12 05:44	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/09/12 05:44	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		12/09/12 05:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/09/12 05:44	108-10-1	
Methyl-tert-butyl ether	**78.4**	ug/L	1.0	1		12/09/12 05:44	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		12/09/12 05:44	91-20-3	
Styrene	ND	ug/L	1.0	1		12/09/12 05:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/09/12 05:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/09/12 05:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/09/12 05:44	127-18-4	
Toluene	ND	ug/L	1.0	1		12/09/12 05:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/09/12 05:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/09/12 05:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/09/12 05:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/09/12 05:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/09/12 05:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/09/12 05:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/09/12 05:44	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/09/12 05:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/09/12 05:44	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		12/09/12 05:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		12/09/12 05:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/09/12 05:44	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	1		12/09/12 05:44	460-00-4	
Dibromofluoromethane (S)	102	%	70-130	1		12/09/12 05:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		12/09/12 05:44	17060-07-0	

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ANALYTICAL RESULTS

Project: LAGRANGE FD
Pace Project No.: 92140478

Sample: TMW-1 **Lab ID: 92140478001** Collected: 12/03/12 12:45 Received: 12/04/12 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Surrogates								
Toluene-d8 (S)	101	%	70-130	1		12/09/12 05:44	2037-26-5	

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ANALYTICAL RESULTS

Project: LAGRANGE FD
Pace Project No.: 92140478

Sample: TMW-2 **Lab ID: 92140478002** Collected: 12/03/12 13:35 Received: 12/04/12 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	208-96-8	
Aniline	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	62-53-3	
Anthracene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	207-08-9	
Benzoic Acid	ND	ug/L	50.0	1	12/06/12 10:55	12/07/12 16:30	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:30	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:30	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:30	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	7005-72-3	
Chrysene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:30	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:30	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	12/06/12 10:55	12/07/12 16:30	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	1	12/06/12 10:55	12/07/12 16:30	117-81-7	
Fluoranthene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	206-44-0	
Fluorene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	193-39-5	
Isophorone	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	78-59-1	

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ANALYTICAL RESULTS

Project: LAGRANGE FD
Pace Project No.: 92140478

Sample: TMW-2 **Lab ID: 92140478002** Collected: 12/03/12 13:35 Received: 12/04/12 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1-Methylnaphthalene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30		
Naphthalene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	1	12/06/12 10:55	12/07/12 16:30	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	12/06/12 10:55	12/07/12 16:30	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:30	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	12/06/12 10:55	12/07/12 16:30	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	12/06/12 10:55	12/07/12 16:30	87-86-5	
Phenanthrene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	85-01-8	
Phenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	108-95-2	
Pyrene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:30	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	56	%	21-110	1	12/06/12 10:55	12/07/12 16:30	4165-60-0	
2-Fluorobiphenyl (S)	67	%	27-110	1	12/06/12 10:55	12/07/12 16:30	321-60-8	
Terphenyl-d14 (S)	79	%	31-107	1	12/06/12 10:55	12/07/12 16:30	1718-51-0	
Phenol-d6 (S)	23	%	10-110	1	12/06/12 10:55	12/07/12 16:30	13127-88-3	
2-Fluorophenol (S)	32	%	12-110	1	12/06/12 10:55	12/07/12 16:30	367-12-4	
2,4,6-Tribromophenol (S)	61	%	27-110	1	12/06/12 10:55	12/07/12 16:30	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/09/12 06:00	67-64-1	
Benzene	ND	ug/L	1.0	1		12/09/12 06:00	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/09/12 06:00	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/09/12 06:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/09/12 06:00	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/09/12 06:00	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/09/12 06:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/09/12 06:00	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		12/09/12 06:00	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/09/12 06:00	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/09/12 06:00	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/09/12 06:00	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/09/12 06:00	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/09/12 06:00	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/09/12 06:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/09/12 06:00	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/09/12 06:00	124-48-1	

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ANALYTICAL RESULTS

Project: LAGRANGE FD
Pace Project No.: 92140478

Sample: TMW-2 **Lab ID: 92140478002** Collected: 12/03/12 13:35 Received: 12/04/12 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/09/12 06:00	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/09/12 06:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/09/12 06:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/09/12 06:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/09/12 06:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/09/12 06:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/09/12 06:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/09/12 06:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/09/12 06:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/09/12 06:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/09/12 06:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/09/12 06:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/09/12 06:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		12/09/12 06:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/09/12 06:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/09/12 06:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/09/12 06:00	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		12/09/12 06:00	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		12/09/12 06:00	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/09/12 06:00	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		12/09/12 06:00	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/09/12 06:00	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		12/09/12 06:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/09/12 06:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/09/12 06:00	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		12/09/12 06:00	91-20-3	
Styrene	ND	ug/L	1.0	1		12/09/12 06:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/09/12 06:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/09/12 06:00	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/09/12 06:00	127-18-4	
Toluene	ND	ug/L	1.0	1		12/09/12 06:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/09/12 06:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/09/12 06:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/09/12 06:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/09/12 06:00	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/09/12 06:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/09/12 06:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/09/12 06:00	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/09/12 06:00	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/09/12 06:00	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		12/09/12 06:00	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		12/09/12 06:00	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/09/12 06:00	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		12/09/12 06:00	460-00-4	
Dibromofluoromethane (S)	95	%	70-130	1		12/09/12 06:00	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	70-130	1		12/09/12 06:00	17060-07-0	

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ANALYTICAL RESULTS

Project: LAGRANGE FD
Pace Project No.: 92140478

Sample: TMW-2 **Lab ID: 92140478002** Collected: 12/03/12 13:35 Received: 12/04/12 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Surrogates								
Toluene-d8 (S)	103	%	70-130	1		12/09/12 06:00	2037-26-5	

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ANALYTICAL RESULTS

Project: LAGRANGE FD
Pace Project No.: 92140478

Sample: TMW-3 **Lab ID: 92140478003** Collected: 12/03/12 14:20 Received: 12/04/12 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	208-96-8	
Aniline	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	62-53-3	
Anthracene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	207-08-9	
Benzoic Acid	ND	ug/L	50.0	1	12/06/12 10:55	12/07/12 16:58	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:58	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:58	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:58	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	7005-72-3	
Chrysene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:58	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:58	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	12/06/12 10:55	12/07/12 16:58	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	1	12/06/12 10:55	12/07/12 16:58	117-81-7	
Fluoranthene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	206-44-0	
Fluorene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	193-39-5	
Isophorone	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	78-59-1	

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ANALYTICAL RESULTS

Project: LAGRANGE FD
Pace Project No.: 92140478

Sample: TMW-3 **Lab ID: 92140478003** Collected: 12/03/12 14:20 Received: 12/04/12 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1-Methylnaphthalene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58		
Naphthalene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	1	12/06/12 10:55	12/07/12 16:58	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	12/06/12 10:55	12/07/12 16:58	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	1	12/06/12 10:55	12/07/12 16:58	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	12/06/12 10:55	12/07/12 16:58	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	12/06/12 10:55	12/07/12 16:58	87-86-5	
Phenanthrene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	85-01-8	
Phenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	108-95-2	
Pyrene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	12/06/12 10:55	12/07/12 16:58	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	66	%	21-110	1	12/06/12 10:55	12/07/12 16:58	4165-60-0	
2-Fluorobiphenyl (S)	79	%	27-110	1	12/06/12 10:55	12/07/12 16:58	321-60-8	
Terphenyl-d14 (S)	94	%	31-107	1	12/06/12 10:55	12/07/12 16:58	1718-51-0	
Phenol-d6 (S)	26	%	10-110	1	12/06/12 10:55	12/07/12 16:58	13127-88-3	
2-Fluorophenol (S)	37	%	12-110	1	12/06/12 10:55	12/07/12 16:58	367-12-4	
2,4,6-Tribromophenol (S)	63	%	27-110	1	12/06/12 10:55	12/07/12 16:58	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/09/12 06:16	67-64-1	
Benzene	ND	ug/L	1.0	1		12/09/12 06:16	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/09/12 06:16	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/09/12 06:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/09/12 06:16	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/09/12 06:16	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/09/12 06:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/09/12 06:16	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		12/09/12 06:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/09/12 06:16	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/09/12 06:16	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/09/12 06:16	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/09/12 06:16	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/09/12 06:16	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/09/12 06:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/09/12 06:16	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/09/12 06:16	124-48-1	

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ANALYTICAL RESULTS

Project: LAGRANGE FD
Pace Project No.: 92140478

Sample: TMW-3 **Lab ID: 92140478003** Collected: 12/03/12 14:20 Received: 12/04/12 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/09/12 06:16	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/09/12 06:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/09/12 06:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/09/12 06:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/09/12 06:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/09/12 06:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/09/12 06:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/09/12 06:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/09/12 06:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/09/12 06:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/09/12 06:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/09/12 06:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/09/12 06:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		12/09/12 06:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/09/12 06:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/09/12 06:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/09/12 06:16	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		12/09/12 06:16	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		12/09/12 06:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/09/12 06:16	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		12/09/12 06:16	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/09/12 06:16	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		12/09/12 06:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/09/12 06:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/09/12 06:16	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		12/09/12 06:16	91-20-3	
Styrene	ND	ug/L	1.0	1		12/09/12 06:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/09/12 06:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/09/12 06:16	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/09/12 06:16	127-18-4	
Toluene	ND	ug/L	1.0	1		12/09/12 06:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/09/12 06:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/09/12 06:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/09/12 06:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/09/12 06:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/09/12 06:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/09/12 06:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/09/12 06:16	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/09/12 06:16	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/09/12 06:16	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		12/09/12 06:16	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		12/09/12 06:16	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/09/12 06:16	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%	70-130	1		12/09/12 06:16	460-00-4	
Dibromofluoromethane (S)	99	%	70-130	1		12/09/12 06:16	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		12/09/12 06:16	17060-07-0	

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ANALYTICAL RESULTS

Project: LAGRANGE FD
Pace Project No.: 92140478

Sample: TMW-3 **Lab ID: 92140478003** Collected: 12/03/12 14:20 Received: 12/04/12 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Surrogates								
Toluene-d8 (S)	102	%	70-130	1		12/09/12 06:16	2037-26-5	

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QUALITY CONTROL DATA

Project: LAGRANGE FD
Pace Project No.: 92140478

QC Batch: MSV/21324 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92140478001, 92140478002, 92140478003

METHOD BLANK: 884127 Matrix: Water
Associated Lab Samples: 92140478001, 92140478002, 92140478003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/08/12 23:39	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/08/12 23:39	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/08/12 23:39	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/08/12 23:39	
1,1-Dichloroethane	ug/L	ND	1.0	12/08/12 23:39	
1,1-Dichloroethene	ug/L	ND	1.0	12/08/12 23:39	
1,1-Dichloropropene	ug/L	ND	1.0	12/08/12 23:39	
1,2,3-Trichlorobenzene	ug/L	1.1	1.0	12/08/12 23:39	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/08/12 23:39	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/08/12 23:39	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/08/12 23:39	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/08/12 23:39	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/08/12 23:39	
1,2-Dichloroethane	ug/L	ND	1.0	12/08/12 23:39	
1,2-Dichloropropane	ug/L	ND	1.0	12/08/12 23:39	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/08/12 23:39	
1,3-Dichloropropane	ug/L	ND	1.0	12/08/12 23:39	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/08/12 23:39	
2,2-Dichloropropane	ug/L	ND	1.0	12/08/12 23:39	
2-Butanone (MEK)	ug/L	ND	5.0	12/08/12 23:39	
2-Chlorotoluene	ug/L	ND	1.0	12/08/12 23:39	
2-Hexanone	ug/L	ND	5.0	12/08/12 23:39	
4-Chlorotoluene	ug/L	ND	1.0	12/08/12 23:39	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/08/12 23:39	
Acetone	ug/L	ND	25.0	12/08/12 23:39	
Benzene	ug/L	ND	1.0	12/08/12 23:39	
Bromobenzene	ug/L	ND	1.0	12/08/12 23:39	
Bromochloromethane	ug/L	ND	1.0	12/08/12 23:39	
Bromodichloromethane	ug/L	ND	1.0	12/08/12 23:39	
Bromoform	ug/L	ND	1.0	12/08/12 23:39	
Bromomethane	ug/L	ND	2.0	12/08/12 23:39	
Carbon tetrachloride	ug/L	ND	1.0	12/08/12 23:39	
Chlorobenzene	ug/L	ND	1.0	12/08/12 23:39	
Chloroethane	ug/L	ND	1.0	12/08/12 23:39	
Chloroform	ug/L	ND	1.0	12/08/12 23:39	
Chloromethane	ug/L	ND	1.0	12/08/12 23:39	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/08/12 23:39	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/08/12 23:39	
Dibromochloromethane	ug/L	ND	1.0	12/08/12 23:39	
Dibromomethane	ug/L	ND	1.0	12/08/12 23:39	
Dichlorodifluoromethane	ug/L	ND	1.0	12/08/12 23:39	
Diisopropyl ether	ug/L	ND	1.0	12/08/12 23:39	
Ethylbenzene	ug/L	ND	1.0	12/08/12 23:39	

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QUALITY CONTROL DATA

Project: LAGRANGE FD
Pace Project No.: 92140478

METHOD BLANK: 884127 Matrix: Water

Associated Lab Samples: 92140478001, 92140478002, 92140478003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	4.0	1.0	12/08/12 23:39	
m&p-Xylene	ug/L	ND	2.0	12/08/12 23:39	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/08/12 23:39	
Methylene Chloride	ug/L	ND	2.0	12/08/12 23:39	
Naphthalene	ug/L	ND	1.0	12/08/12 23:39	
o-Xylene	ug/L	ND	1.0	12/08/12 23:39	
p-Isopropyltoluene	ug/L	ND	1.0	12/08/12 23:39	
Styrene	ug/L	ND	1.0	12/08/12 23:39	
Tetrachloroethene	ug/L	ND	1.0	12/08/12 23:39	
Toluene	ug/L	ND	1.0	12/08/12 23:39	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/08/12 23:39	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/08/12 23:39	
Trichloroethene	ug/L	ND	1.0	12/08/12 23:39	
Trichlorofluoromethane	ug/L	ND	1.0	12/08/12 23:39	
Vinyl acetate	ug/L	ND	2.0	12/08/12 23:39	
Vinyl chloride	ug/L	ND	1.0	12/08/12 23:39	
Xylene (Total)	ug/L	ND	2.0	12/08/12 23:39	
1,2-Dichloroethane-d4 (S)	%	97	70-130	12/08/12 23:39	
4-Bromofluorobenzene (S)	%	101	70-130	12/08/12 23:39	
Dibromofluoromethane (S)	%	102	70-130	12/08/12 23:39	
Toluene-d8 (S)	%	103	70-130	12/08/12 23:39	

LABORATORY CONTROL SAMPLE: 884128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.9	96	70-130	
1,1,1-Trichloroethane	ug/L	50	50.5	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.0	94	70-130	
1,1,2-Trichloroethane	ug/L	50	49.4	99	70-130	
1,1-Dichloroethane	ug/L	50	45.2	90	70-130	
1,1-Dichloroethene	ug/L	50	45.5	91	70-132	
1,1-Dichloropropene	ug/L	50	48.4	97	70-130	
1,2,3-Trichlorobenzene	ug/L	50	55.1	110	70-135	
1,2,3-Trichloropropane	ug/L	50	44.7	89	70-130	
1,2,4-Trichlorobenzene	ug/L	50	52.7	105	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	54.2	108	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	49.0	98	70-130	
1,2-Dichlorobenzene	ug/L	50	48.6	97	70-130	
1,2-Dichloroethane	ug/L	50	45.9	92	70-130	
1,2-Dichloropropane	ug/L	50	48.2	96	70-130	
1,3-Dichlorobenzene	ug/L	50	51.6	103	70-130	
1,3-Dichloropropane	ug/L	50	46.1	92	70-130	
1,4-Dichlorobenzene	ug/L	50	49.4	99	70-130	
2,2-Dichloropropane	ug/L	50	41.6	83	58-145	
2-Butanone (MEK)	ug/L	100	102	102	70-145	

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QUALITY CONTROL DATA

Project: LAGRANGE FD
Pace Project No.: 92140478

LABORATORY CONTROL SAMPLE: 884128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chlorotoluene	ug/L	50	51.3	103	70-130	
2-Hexanone	ug/L	100	99.4	99	70-144	
4-Chlorotoluene	ug/L	50	50.0	100	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	93.5	94	70-140	
Acetone	ug/L	100	105	105	50-175	
Benzene	ug/L	50	50.9	102	70-130	
Bromobenzene	ug/L	50	49.5	99	70-130	
Bromochloromethane	ug/L	50	47.6	95	70-130	
Bromodichloromethane	ug/L	50	46.6	93	70-130	
Bromoform	ug/L	50	49.9	100	70-130	
Bromomethane	ug/L	50	54.6	109	54-130	
Carbon tetrachloride	ug/L	50	51.7	103	70-132	
Chlorobenzene	ug/L	50	50.2	100	70-130	
Chloroethane	ug/L	50	60.7	121	64-134	
Chloroform	ug/L	50	47.3	95	70-130	
Chloromethane	ug/L	50	60.3	121	64-130	
cis-1,2-Dichloroethene	ug/L	50	44.8	90	70-131	
cis-1,3-Dichloropropene	ug/L	50	47.1	94	70-130	
Dibromochloromethane	ug/L	50	48.2	96	70-130	
Dibromomethane	ug/L	50	48.7	97	70-131	
Dichlorodifluoromethane	ug/L	50	97.5	195	56-130	L0
Diisopropyl ether	ug/L	50	48.4	97	70-130	
Ethylbenzene	ug/L	50	48.8	98	70-130	
Hexachloro-1,3-butadiene	ug/L	50	54.1	108	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	48.2	96	70-130	
Methylene Chloride	ug/L	50	50.1	100	63-130	
Naphthalene	ug/L	50	55.2	110	70-138	
o-Xylene	ug/L	50	45.5	91	70-130	
p-Isopropyltoluene	ug/L	50	54.1	108	70-130	
Styrene	ug/L	50	49.3	99	70-130	
Tetrachloroethene	ug/L	50	52.4	105	70-130	
Toluene	ug/L	50	49.0	98	70-130	
trans-1,2-Dichloroethene	ug/L	50	40.1	80	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.3	93	70-132	
Trichloroethene	ug/L	50	51.6	103	70-130	
Trichlorofluoromethane	ug/L	50	53.6	107	62-133	
Vinyl acetate	ug/L	100	95.8	96	66-157	
Vinyl chloride	ug/L	50	61.9	124	69-130	
Xylene (Total)	ug/L	150	150	100	70-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			95	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: LAGRANGE FD
Pace Project No.: 92140478

MATRIX SPIKE SAMPLE: 886993

Parameter	Units	92140478003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	50	51.4	103	70-166	
Benzene	ug/L	ND	50	44.8	90	70-148	
Chlorobenzene	ug/L	ND	50	55.6	111	70-146	
Toluene	ug/L	ND	50	55.2	110	70-155	
Trichloroethene	ug/L	ND	50	55.9	112	69-151	
1,2-Dichloroethane-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Dibromofluoromethane (S)	%				104	70-130	
Toluene-d8 (S)	%				102	70-130	

SAMPLE DUPLICATE: 886992

Parameter	Units	92140478001 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		
1,1,1-Trichloroethane	ug/L	ND	ND		
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		
1,1,2-Trichloroethane	ug/L	ND	ND		
1,1-Dichloroethane	ug/L	ND	ND		
1,1-Dichloroethene	ug/L	ND	ND		
1,1-Dichloropropene	ug/L	ND	ND		
1,2,3-Trichlorobenzene	ug/L	ND	ND		
1,2,3-Trichloropropane	ug/L	ND	ND		
1,2,4-Trichlorobenzene	ug/L	ND	ND		
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1,2-Dichlorobenzene	ug/L	ND	ND		
1,2-Dichloroethane	ug/L	ND	ND		
1,2-Dichloropropane	ug/L	ND	ND		
1,3-Dichlorobenzene	ug/L	ND	ND		
1,3-Dichloropropane	ug/L	ND	ND		
1,4-Dichlorobenzene	ug/L	ND	ND		
2,2-Dichloropropane	ug/L	ND	ND		
2-Butanone (MEK)	ug/L	ND	ND		
2-Chlorotoluene	ug/L	ND	ND		
2-Hexanone	ug/L	ND	ND		
4-Chlorotoluene	ug/L	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		
Acetone	ug/L	ND	ND		
Benzene	ug/L	64.4	59.0	9	
Bromobenzene	ug/L	ND	ND		
Bromochloromethane	ug/L	ND	ND		
Bromodichloromethane	ug/L	ND	ND		
Bromoform	ug/L	ND	ND		
Bromomethane	ug/L	ND	ND		
Carbon tetrachloride	ug/L	ND	ND		
Chlorobenzene	ug/L	ND	ND		
Chloroethane	ug/L	ND	ND		

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QUALITY CONTROL DATA

Project: LAGRANGE FD
Pace Project No.: 92140478

SAMPLE DUPLICATE: 886992

Parameter	Units	92140478001 Result	Dup Result	RPD	Qualifiers
Chloroform	ug/L	ND	.15J		
Chloromethane	ug/L	ND	ND		
cis-1,2-Dichloroethene	ug/L	ND	ND		
cis-1,3-Dichloropropene	ug/L	ND	ND		
Dibromochloromethane	ug/L	ND	ND		
Dibromomethane	ug/L	ND	ND		
Dichlorodifluoromethane	ug/L	ND	ND		
Diisopropyl ether	ug/L	25.4	23.1	10	
Ethylbenzene	ug/L	ND	ND		
Hexachloro-1,3-butadiene	ug/L	ND	ND		
m&p-Xylene	ug/L	ND	ND		
Methyl-tert-butyl ether	ug/L	78.4	72.2	8	
Methylene Chloride	ug/L	ND	ND		
Naphthalene	ug/L	ND	ND		
o-Xylene	ug/L	ND	ND		
p-Isopropyltoluene	ug/L	ND	ND		
Styrene	ug/L	ND	ND		
Tetrachloroethene	ug/L	ND	ND		
Toluene	ug/L	ND	ND		
trans-1,2-Dichloroethene	ug/L	ND	ND		
trans-1,3-Dichloropropene	ug/L	ND	ND		
Trichloroethene	ug/L	ND	ND		
Trichlorofluoromethane	ug/L	ND	ND		
Vinyl acetate	ug/L	ND	ND		
Vinyl chloride	ug/L	ND	ND		
Xylene (Total)	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	96	100	4	
4-Bromofluorobenzene (S)	%	99	103	4	
Dibromofluoromethane (S)	%	102	103	1	
Toluene-d8 (S)	%	101	98	3	

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QUALITY CONTROL DATA

Project: LAGRANGE FD
Pace Project No.: 92140478

QC Batch: OEXT/19982 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 92140478001, 92140478002, 92140478003

METHOD BLANK: 884965 Matrix: Water
Associated Lab Samples: 92140478001, 92140478002, 92140478003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	12/07/12 15:08	
1,2-Dichlorobenzene	ug/L	ND	10.0	12/07/12 15:08	
1,3-Dichlorobenzene	ug/L	ND	10.0	12/07/12 15:08	
1,4-Dichlorobenzene	ug/L	ND	10.0	12/07/12 15:08	
1-Methylnaphthalene	ug/L	ND	10.0	12/07/12 15:08	
2,4,5-Trichlorophenol	ug/L	ND	10.0	12/07/12 15:08	
2,4,6-Trichlorophenol	ug/L	ND	10.0	12/07/12 15:08	
2,4-Dichlorophenol	ug/L	ND	10.0	12/07/12 15:08	
2,4-Dimethylphenol	ug/L	ND	10.0	12/07/12 15:08	
2,4-Dinitrophenol	ug/L	ND	50.0	12/07/12 15:08	
2,4-Dinitrotoluene	ug/L	ND	10.0	12/07/12 15:08	
2,6-Dinitrotoluene	ug/L	ND	10.0	12/07/12 15:08	
2-Chloronaphthalene	ug/L	ND	10.0	12/07/12 15:08	
2-Chlorophenol	ug/L	ND	10.0	12/07/12 15:08	
2-Methylnaphthalene	ug/L	ND	10.0	12/07/12 15:08	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	12/07/12 15:08	
2-Nitroaniline	ug/L	ND	50.0	12/07/12 15:08	
2-Nitrophenol	ug/L	ND	10.0	12/07/12 15:08	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	12/07/12 15:08	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	12/07/12 15:08	
3-Nitroaniline	ug/L	ND	50.0	12/07/12 15:08	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	12/07/12 15:08	
4-Bromophenylphenyl ether	ug/L	ND	10.0	12/07/12 15:08	
4-Chloro-3-methylphenol	ug/L	ND	20.0	12/07/12 15:08	
4-Chloroaniline	ug/L	ND	20.0	12/07/12 15:08	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	12/07/12 15:08	
4-Nitroaniline	ug/L	ND	20.0	12/07/12 15:08	
4-Nitrophenol	ug/L	ND	50.0	12/07/12 15:08	
Acenaphthene	ug/L	ND	10.0	12/07/12 15:08	
Acenaphthylene	ug/L	ND	10.0	12/07/12 15:08	
Aniline	ug/L	ND	10.0	12/07/12 15:08	
Anthracene	ug/L	ND	10.0	12/07/12 15:08	
Benzo(a)anthracene	ug/L	ND	10.0	12/07/12 15:08	
Benzo(a)pyrene	ug/L	ND	10.0	12/07/12 15:08	
Benzo(b)fluoranthene	ug/L	ND	10.0	12/07/12 15:08	
Benzo(g,h,i)perylene	ug/L	ND	10.0	12/07/12 15:08	
Benzo(k)fluoranthene	ug/L	ND	10.0	12/07/12 15:08	
Benzoic Acid	ug/L	ND	50.0	12/07/12 15:08	
Benzyl alcohol	ug/L	ND	20.0	12/07/12 15:08	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	12/07/12 15:08	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	12/07/12 15:08	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	12/07/12 15:08	
bis(2-Ethylhexyl)phthalate	ug/L	ND	6.0	12/07/12 15:08	

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QUALITY CONTROL DATA

Project: LAGRANGE FD
Pace Project No.: 92140478

METHOD BLANK: 884965 Matrix: Water

Associated Lab Samples: 92140478001, 92140478002, 92140478003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	10.0	12/07/12 15:08	
Chrysene	ug/L	ND	10.0	12/07/12 15:08	
Di-n-butylphthalate	ug/L	ND	10.0	12/07/12 15:08	
Di-n-octylphthalate	ug/L	ND	10.0	12/07/12 15:08	
Dibenz(a,h)anthracene	ug/L	ND	10.0	12/07/12 15:08	
Dibenzofuran	ug/L	ND	10.0	12/07/12 15:08	
Diethylphthalate	ug/L	ND	10.0	12/07/12 15:08	
Dimethylphthalate	ug/L	ND	10.0	12/07/12 15:08	
Fluoranthene	ug/L	ND	10.0	12/07/12 15:08	
Fluorene	ug/L	ND	10.0	12/07/12 15:08	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	12/07/12 15:08	
Hexachlorobenzene	ug/L	ND	10.0	12/07/12 15:08	
Hexachlorocyclopentadiene	ug/L	ND	10.0	12/07/12 15:08	
Hexachloroethane	ug/L	ND	10.0	12/07/12 15:08	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	12/07/12 15:08	
Isophorone	ug/L	ND	10.0	12/07/12 15:08	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	12/07/12 15:08	
N-Nitrosodimethylamine	ug/L	ND	10.0	12/07/12 15:08	
N-Nitrosodiphenylamine	ug/L	ND	10.0	12/07/12 15:08	
Naphthalene	ug/L	ND	10.0	12/07/12 15:08	
Nitrobenzene	ug/L	ND	10.0	12/07/12 15:08	
Pentachlorophenol	ug/L	ND	25.0	12/07/12 15:08	
Phenanthrene	ug/L	ND	10.0	12/07/12 15:08	
Phenol	ug/L	ND	10.0	12/07/12 15:08	
Pyrene	ug/L	ND	10.0	12/07/12 15:08	
2,4,6-Tribromophenol (S)	%	64	27-110	12/07/12 15:08	
2-Fluorobiphenyl (S)	%	73	27-110	12/07/12 15:08	
2-Fluorophenol (S)	%	33	12-110	12/07/12 15:08	
Nitrobenzene-d5 (S)	%	77	21-110	12/07/12 15:08	
Phenol-d6 (S)	%	23	10-110	12/07/12 15:08	
Terphenyl-d14 (S)	%	88	31-107	12/07/12 15:08	

LABORATORY CONTROL SAMPLE: 884966

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	36.9	74	10-110	
1,2-Dichlorobenzene	ug/L	50	33.6	67	10-110	
1,3-Dichlorobenzene	ug/L	50	32.4	65	10-110	
1,4-Dichlorobenzene	ug/L	50	32.7	65	10-110	
1-Methylnaphthalene	ug/L	50	38.8	78	21-110	
2,4,5-Trichlorophenol	ug/L	50	39.9	80	23-116	
2,4,6-Trichlorophenol	ug/L	50	38.6	77	21-114	
2,4-Dichlorophenol	ug/L	50	38.2	76	22-120	
2,4-Dimethylphenol	ug/L	50	34.6	69	15-109	
2,4-Dinitrophenol	ug/L	250	148	59	10-103	

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QUALITY CONTROL DATA

Project: LAGRANGE FD
Pace Project No.: 92140478

LABORATORY CONTROL SAMPLE: 884966

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/L	50	32.6	65	24-119	
2,6-Dinitrotoluene	ug/L	50	31.4	63	25-116	
2-Chloronaphthalene	ug/L	50	38.0	76	18-110	
2-Chlorophenol	ug/L	50	33.7	67	10-104	
2-Methylnaphthalene	ug/L	50	38.6	77	16-110	
2-Methylphenol(o-Cresol)	ug/L	50	30.2	60	13-110	
2-Nitroaniline	ug/L	100	67.2	67	20-117	
2-Nitrophenol	ug/L	50	38.5	77	16-108	
3&4-Methylphenol(m&p Cresol)	ug/L	50	25.0	50	14-110	
3,3'-Dichlorobenzidine	ug/L	100	82.3	82	13-131	
3-Nitroaniline	ug/L	100	71.8	72	15-117	
4,6-Dinitro-2-methylphenol	ug/L	100	66.1	66	13-119	
4-Bromophenylphenyl ether	ug/L	50	40.0	80	23-120	
4-Chloro-3-methylphenol	ug/L	100	69.3	69	21-119	
4-Chloroaniline	ug/L	100	69.0	69	10-122	
4-Chlorophenylphenyl ether	ug/L	50	42.0	84	22-112	
4-Nitroaniline	ug/L	100	73.0	73	14-118	
4-Nitrophenol	ug/L	250	70.0	28	10-110	
Acenaphthene	ug/L	50	40.8	82	20-105	
Acenaphthylene	ug/L	50	39.8	80	23-106	
Aniline	ug/L	50	29.1	58	10-110	
Anthracene	ug/L	50	39.8	80	25-120	
Benzo(a)anthracene	ug/L	50	40.8	82	21-128	
Benzo(a)pyrene	ug/L	50	40.8	82	25-116	
Benzo(b)fluoranthene	ug/L	50	38.0	76	23-117	
Benzo(g,h,i)perylene	ug/L	50	42.2	84	17-128	
Benzo(k)fluoranthene	ug/L	50	37.9	76	25-127	
Benzoic Acid	ug/L	250	58.5	23	10-110	
Benzyl alcohol	ug/L	100	61.1	61	10-101	
bis(2-Chloroethoxy)methane	ug/L	50	38.3	77	19-107	
bis(2-Chloroethyl) ether	ug/L	50	40.3	81	10-108	
bis(2-Chloroisopropyl) ether	ug/L	50	34.8	70	10-108	
bis(2-Ethylhexyl)phthalate	ug/L	50	36.9	74	16-123	
Butylbenzylphthalate	ug/L	50	36.1	72	20-118	
Chrysene	ug/L	50	39.4	79	24-125	
Di-n-butylphthalate	ug/L	50	36.5	73	23-115	
Di-n-octylphthalate	ug/L	50	40.6	81	20-115	
Dibenz(a,h)anthracene	ug/L	50	41.9	84	18-131	
Dibenzofuran	ug/L	50	40.0	80	23-106	
Diethylphthalate	ug/L	50	37.6	75	24-115	
Dimethylphthalate	ug/L	50	37.2	74	22-113	
Fluoranthene	ug/L	50	42.5	85	24-125	
Fluorene	ug/L	50	41.0	82	24-114	
Hexachloro-1,3-butadiene	ug/L	50	36.2	72	10-110	
Hexachlorobenzene	ug/L	50	38.0	76	22-127	
Hexachlorocyclopentadiene	ug/L	50	35.0	70	10-110	
Hexachloroethane	ug/L	50	30.4	61	10-110	
Indeno(1,2,3-cd)pyrene	ug/L	50	41.4	83	18-130	

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QUALITY CONTROL DATA

Project: LAGRANGE FD
Pace Project No.: 92140478

LABORATORY CONTROL SAMPLE: 884966

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isophorone	ug/L	50	29.3	59	23-114	
N-Nitroso-di-n-propylamine	ug/L	50	36.8	74	21-114	
N-Nitrosodimethylamine	ug/L	50	24.0	48	10-110	
N-Nitrosodiphenylamine	ug/L	50	40.1	80	24-123	
Naphthalene	ug/L	50	36.7	73	14-110	
Nitrobenzene	ug/L	50	28.8	58	16-106	
Pentachlorophenol	ug/L	100	57.5	57	10-123	
Phenanthrene	ug/L	50	38.9	78	25-119	
Phenol	ug/L	50	17.6	35	10-110	
Pyrene	ug/L	50	40.0	80	22-127	
2,4,6-Tribromophenol (S)	%			74	27-110	
2-Fluorobiphenyl (S)	%			80	27-110	
2-Fluorophenol (S)	%			42	12-110	
Nitrobenzene-d5 (S)	%			72	21-110	
Phenol-d6 (S)	%			28	10-110	
Terphenyl-d14 (S)	%			82	31-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 884967 884968

Parameter	Units	92140478003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/L	ND	100	100	81.6	82.8	82	83	10-110	1	
1,2-Dichlorobenzene	ug/L	ND	100	100	78.0	76.1	78	76	10-110	2	
1,3-Dichlorobenzene	ug/L	ND	100	100	74.3	73.9	74	74	10-110	1	
1,4-Dichlorobenzene	ug/L	ND	100	100	75.7	75.2	76	75	10-110	1	
1-Methylnaphthalene	ug/L	ND	100	100	86.3	84.6	86	85	14-110	2	
2,4,5-Trichlorophenol	ug/L	ND	100	100	85.5	83.8	85	84	19-105	2	
2,4,6-Trichlorophenol	ug/L	ND	100	100	84.2	80.3	84	80	13-108	5	
2,4-Dichlorophenol	ug/L	ND	100	100	84.2	80.7	84	81	29-111	4	
2,4-Dimethylphenol	ug/L	ND	100	100	76.7	74.0	77	74	21-103	4	
2,4-Dinitrophenol	ug/L	ND	500	500	449	286	90	57	10-109	44	R1
2,4-Dinitrotoluene	ug/L	ND	100	100	69.9	68.8	70	69	27-104	2	
2,6-Dinitrotoluene	ug/L	ND	100	100	68.6	68.3	69	68	28-101	0	
2-Chloronaphthalene	ug/L	ND	100	100	81.5	82.3	82	82	14-102	1	
2-Chlorophenol	ug/L	ND	100	100	77.4	73.4	77	73	16-110	5	
2-Methylnaphthalene	ug/L	ND	100	100	85.8	85.3	86	85	13-110	1	
2-Methylphenol(o-Cresol)	ug/L	ND	100	100	72.9	69.5	73	70	19-110	5	
2-Nitroaniline	ug/L	ND	200	200	148	149	74	74	26-103	0	
2-Nitrophenol	ug/L	ND	100	100	81.6	84.0	82	84	20-110	3	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	100	100	69.1	64.6	69	65	20-110	7	
3,3'-Dichlorobenzidine	ug/L	ND	200	200	171	169	86	84	25-112	1	
3-Nitroaniline	ug/L	ND	200	200	163	158	81	79	29-110	3	
4,6-Dinitro-2-methylphenol	ug/L	ND	200	200	176	144	88	72	10-117	20	
4-Bromophenylphenyl ether	ug/L	ND	100	100	83.0	87.4	83	87	20-105	5	
4-Chloro-3-methylphenol	ug/L	ND	200	200	156	152	78	76	22-110	3	
4-Chloroaniline	ug/L	ND	200	200	154	156	77	78	20-100	1	

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QUALITY CONTROL DATA

Project: LAGRANGE FD
Pace Project No.: 92140478

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 884967 884968

Parameter	Units	92140478003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Chlorophenylphenyl ether	ug/L	ND	100	100	89.1	89.4	89	89	19-102	0	
4-Nitroaniline	ug/L	ND	200	200	176	158	88	79	29-110	11	
4-Nitrophenol	ug/L	ND	500	500	243	198	49	40	10-110	21	
Acenaphthene	ug/L	ND	100	100	86.2	87.8	86	88	17-100	2	
Acenaphthylene	ug/L	ND	100	100	85.5	86.0	85	86	21-100	1	
Aniline	ug/L	ND	100	100	73.9	71.4	74	71	10-110	3	
Anthracene	ug/L	ND	100	100	81.9	84.2	82	84	24-109	3	
Benzo(a)anthracene	ug/L	ND	100	100	84.1	87.6	84	88	22-117	4	
Benzo(a)pyrene	ug/L	ND	100	100	84.0	88.2	84	88	23-104	5	
Benzo(b)fluoranthene	ug/L	ND	100	100	77.2	79.4	77	79	23-103	3	
Benzo(g,h,i)perylene	ug/L	ND	100	100	84.4	95.5	84	95	18-111	12	
Benzo(k)fluoranthene	ug/L	ND	100	100	81.6	88.9	82	89	22-113	9	
Benzoic Acid	ug/L	ND	500	500	200	108	40	22	10-110	60	R1
Benzyl alcohol	ug/L	ND	200	200	160	154	80	77	19-101	4	
bis(2-Chloroethoxy)methane	ug/L	ND	100	100	81.4	81.0	81	81	22-110	0	
bis(2-Chloroethyl) ether	ug/L	ND	100	100	88.8	87.9	89	88	16-110	1	
bis(2-Chloroisopropyl) ether	ug/L	ND	100	100	76.7	75.4	77	75	14-110	2	
bis(2-Ethylhexyl)phthalate	ug/L	ND	100	100	75.0	82.6	75	83	23-102	10	
Butylbenzylphthalate	ug/L	ND	100	100	74.8	82.0	75	82	25-110	9	
Chrysene	ug/L	ND	100	100	82.5	86.7	83	87	23-115	5	
Di-n-butylphthalate	ug/L	ND	100	100	74.2	75.6	74	76	26-110	2	
Di-n-octylphthalate	ug/L	ND	100	100	79.6	80.3	80	80	22-110	1	
Dibenz(a,h)anthracene	ug/L	ND	100	100	84.3	91.8	84	92	21-112	9	
Dibenzofuran	ug/L	ND	100	100	85.2	85.8	85	86	19-102	1	
Diethylphthalate	ug/L	ND	100	100	77.5	76.2	77	76	29-110	2	
Dimethylphthalate	ug/L	ND	100	100	77.4	77.2	77	77	27-110	0	
Fluoranthene	ug/L	ND	100	100	89.4	84.1	89	84	23-112	6	
Fluorene	ug/L	ND	100	100	87.2	87.3	87	87	22-104	0	
Hexachloro-1,3-butadiene	ug/L	ND	100	100	82.0	83.5	82	84	10-110	2	
Hexachlorobenzene	ug/L	ND	100	100	78.3	81.7	78	82	21-116	4	
Hexachlorocyclopentadiene	ug/L	ND	100	100	87.9	79.5	88	79	10-110	10	
Hexachloroethane	ug/L	ND	100	100	70.7	69.8	71	70	10-110	1	
Indeno(1,2,3-cd)pyrene	ug/L	ND	100	100	83.9	93.2	84	93	20-113	11	
Isophorone	ug/L	ND	100	100	62.0	62.8	62	63	50-150	1	
N-Nitroso-di-n-propylamine	ug/L	ND	100	100	86.4	81.0	86	81	21-105	6	
N-Nitrosodimethylamine	ug/L	ND	100	100	66.1	68.8	66	69	10-110	4	
N-Nitrosodiphenylamine	ug/L	ND	100	100	82.2	86.2	82	86	23-107	5	
Naphthalene	ug/L	ND	100	100	80.9	81.7	81	82	10-110	1	
Nitrobenzene	ug/L	ND	100	100	60.2	60.8	60	61	20-110	1	
Pentachlorophenol	ug/L	ND	200	200	137	108	69	54	10-118	24	
Phenanthrene	ug/L	ND	100	100	80.6	81.3	81	81	24-106	1	
Phenol	ug/L	ND	100	100	54.3	52.4	54	52	12-110	4	
Pyrene	ug/L	ND	100	100	83.8	95.3	84	95	24-114	13	
2,4,6-Tribromophenol (S)	%						77	72	27-110		
2-Fluorobiphenyl (S)	%						83	83	27-110		
2-Fluorophenol (S)	%						54	54	12-110		
Nitrobenzene-d5 (S)	%						74	75	21-110		

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QUALITY CONTROL DATA

Project: LAGRANGE FD
Pace Project No.: 92140478

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 884967 884968

Parameter	Units	92140478003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Phenol-d6 (S)	%						45	43	10-110		
Terphenyl-d14 (S)	%						84	94	31-107		

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Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: LAGRANGE FD
Pace Project No.: 92140478

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LAGRANGE FD
Pace Project No.: 92140478

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92140478001	**TMW-1**	EPA 3510	OEXT/19982	EPA 8270	MSSV/7080
92140478002	**TMW-2**	EPA 3510	OEXT/19982	EPA 8270	MSSV/7080
92140478003	**TMW-3**	EPA 3510	OEXT/19982	EPA 8270	MSSV/7080
92140478001	**TMW-1**	EPA 8260	MSV/21324		
92140478002	**TMW-2**	EPA 8260	MSV/21324		
92140478003	**TMW-3**	EPA 8260	MSV/21324		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1406780

Section A Required Client Information:

Company: Terracon
Address: 314 Beacon Dr. Winterville, NC
Email To: kamccoll@terracon.com
Phone: 252-353-1601 Fax:
Requested Due Date/TAT: 5 day

Section B Required Project Information:

Report To: Allen McColl
Copy To:
Purchase Order No.:
Project Name: LaGrange FD
Project Number:

Section C Invoice Information:

Attention:
Company Name: Same
Address: ABB
Pace Quote Reference:
Pace Project Manager: Kevin Herring
Pace Profile #: 3565-5

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER IHWB

Site Location STATE: NC

Requested Analysis Filtered (Y/N)

Section D Required Client Information

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test 8260	8270	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92140478
1	TMW-1		G			12/3/12	12:45		6	X			X					X	X		001
2	TMW-2		G				1:35		6	X			X					X	X		002
3	TMW-3		G				2:20		6	X			X					X	X		003
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Allen McColl			[illegible]	12/4/12	05:45	5.7 [illegible]
	[illegible]	12/3/12					

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Allen McColl
SIGNATURE of SAMPLER: [illegible] DATE Signed (MM/DD/YY): 12/3/12

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

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

F-ALL-Q-020rev.07, 15-May-2007

APPENDIX C – BROWNFIELDS AREA RECONNAISSANCE AND RECEPTOR SURVEY GUIDANCE FORM

North Carolina Department of Environment and Natural Resources
NCDENR

BROWNFIELDS AREA RECONNAISSANCE AND RECEPTOR SURVEY GUIDANCE FORM

This form was created to clarify and simplify preparing a receptor survey for a brownfield site. The form was designed to minimize unnecessary delays in processing brownfield applications. This is a guidance document only and Potential Developers may complete and submit their own receptor survey, if they desire.

General Instructions

1.) Complete "Property Characteristics" Section and all portions of other sections where an "X" has been placed in the far left column under "Applicable to Site," as determined by the DENR Brownfields Project Manager on a site specific basis.
2.) The search-radius distances to potential receptors from the Property boundary will be determined by the DENR Brownfields Project Manager on a site by site basis.
3.) Search-radius distances are measured from the site Property Boundary unless otherwise indicated by the DENR Brownfield's Project Manager.

Site: Proposed Family Dollar Retail Store
Address: 223 East Washington Street
City: LaGrange
County: Lenoir

Property Characteristics

Provide Information for the following potential receptors	*Current Usage*	*Proposed Usage*
Size of Property (acres)	*1.03*	1.03
% of property that is wooded	5	0
% of property that is scrub/shrub	5	0
% of property that is open land	25	0
% of property that is grass area	25	10
% of property that is agricultural crops	0	0
% of property that is barren	20	0
% of property that is used for commercial or industrial usage including paved areas	20	90

Surrounding Properties

Applicable to Site (DENR Use Only)	*Surrounding Properties Zoning/Land Use*	*Current Usage*	*Proposed Usage*
X	North	Residential	Same
X	South	Gas station	Same
X	East	Food Lion and Doctor	Same
X	West	Residential	Same

Potential Receptors - include depth to top, construction material and diameter of the utilities, if available

Applicable to Site (DENR Use Only)	*Provide Information for the following potential receptors*	*Y/N*	*Field Verified*	*Date Verified*	*Distance*	*Direction*	*Depth*
					Complete and attach map as appropriate		
X	Is a basement or subsurface foundation within 500 ft of the Property boundary?	N	Y	12/2/12	N/A	N/A	N/A
X	Is a school or daycare center within 500 ft of the Property boundary?	N	Y	12/2/12	N/A	N/A	N/A
X	Is a storm sewer within 100 ft of the Property boundary?	Y	Y	12/2/12	Onsite	N/A	3 Ft.
X	Is a sanitary sewer within 100 ft of the Property boundary?	Y	Y	12/2/12	Onsite	N/A	7 Ft.
X	Is a septic system leach field within 500 ft of the Property boundary?	N	Y	12/2/12	N/A	N/A	N/A
X	Is a water line main within 100 ft of Property boundary?	Y	N	12/2/12	Onsite	N/A	3 Ft.
X	Is a natural gas line main within 100 ft of the Property boundary?	N	Y	12/2/12	N/A	N/A	N/A
X	Is a buried telephone/ cable main within 100 ft of the Property boundary?	Y	Y	12/2/12	Onsite	N/A	3 Ft.
X	Is a buried electrical cable main within 100 ft of Property boundary?	N	Y	12/2/12	Onsite	N/A	3 Ft.

Local Water Supply

Public: Town of LaGrange Private: N/A

Potable Water Supplier Name: Town of LaGrange

Potable Water Supply Source: Well 2

Distance: 2 Miles Direction: Southeast

Potable Water Source Intake:

Distance: Direction:

Water Supply Wells

Applicable to Site (DENR Use Only)	*Provide Information for the following potential receptors*	*Y/N*	*Field Verified*	*Date Verified*	*Distance*	*Direction*	*Depth*
					Complete and attach map as appropriate		
X	Is a public water supply well within 1 mile of the Property boundary?	N	Y	12/2/12	N/A	N/A	N/A
X	Is a private water supply well within 500 ft of the Property boundary?	N	N	12/2/12	N/A	N/A	N/A
X	Is a irrigation supply well within 500 ft of the Property boundary?	N	N	12/2/12	N/A	N/A	N/A
X	Is a monitoring well within 500 ft of the Property boundary?	Y	Y	12/2/12	65 Ft.	South	N/A

Water Bodies on Property

Applicable to Site (DENR Use Only)	*Provide Information for the following potential receptors*	*Comments*
X	Is water body naturally developed or man made?	Water bodies are not onsite.
X	List the uses of the water body	Water bodies are not onsite.
X	What is the source of the water for the water body	Water bodies are not onsite.
X	What is the nature of the bottom of the water body (e.g., rocky or concrete bottom, drainage ways or impoundments)	Water bodies are not onsite.
X	Are there any wetlands present on the property?	Documented wetlands are not located onsite.

Surface Water Body

Applicable to Site (DENR Use Only)	*Provide Information for the following potential receptors*	*Y/N*	*Name*	*Type*	*Distance*	*Direction*	*Depth*
					Complete and attach map as appropriate		
X	Are there surface waters located within 500 ft of the Property boundary?	N	N/A	N/A	N/A	N/A	N/A
	Additional water bodies, if needed						

Additional Requests/ Observations

Applicable to Site (DENR Use Only)	*Provide Information for the following potential receptors*	*Comments*