CITY COUNCIL
MEETING AGENDA
October 18, 2018

Marc D. Tall, Mayor
Ronald J. Beauchamp, Mayor Pro Tem
Ralph B. Blasier, Council Member
Michael R. Sattem, Council Member
Peggy O. Schumann, Council Member

Patrick S. Jordan, City Manager
Tammy A. Weissert, Interim City Clerk
Ralph B. K. Peterson, City Attorney

City Council Chambers located at: City Hall – 410 Ludington Street – Room C101 – Escanaba MI 49829

The Council has adopted a policy to use a Consent Agenda, when appropriate. All items with an asterisk (*) are considered routine by the City Council and will be enacted by one motion. There will be no separate discussion of these items unless a Council Member or citizen so requests, in which event, the item will be removed from the General Order of Business and considered in its normal sequence on the Agenda.

Regular Meeting
Thursday, October 18, 2018, at 7:00 p.m.

CALL TO ORDER
ROLL CALL
INVOCATION/PLEDGE OF ALLEGIANCE - Pastor Scott Breault of New Life Assembly of God Church
APPROVAL/CORRECTION(S) TO MINUTES – Regular Meeting – October 4, 2018
APPROVAL/ADJUSTMENTS TO THE AGENDA
CONFLICT OF INTEREST DECLARATION(S)
BRIEF PUBLIC COMMENT(S)
PUBLIC HEARINGS
UNFINISHED BUSINESS
NEW BUSINESS

1. **Setting USDA Grant Application Public Hearing – November 1, 2018 – Public Safety.**
   Explanation: Administration is recommending Council set a public hearing date for November 1, 2018.

2. **Approval – Historic District Commission Term Re-Alignment.**
   Explanation: Administration is seeking approval to have the Historic District Commission terms be re-aligned to conform to the schedule outlined in the ordinance and based on the original appointment dates.

3. **Approval – Pole Inspection/Treatment Bid – Electric Department.**
   Explanation: Administration is seeking Council approval to retain Karcz Utility Services, LLC of Pulaski, WI, to do some pole testing, for an amount not to exceed $15,000.

4. **Approval – Swing Set Donation to the Learning Center – Recreation.**
   Explanation: Administration is seeking approval for the donation of one set of swings be donated to the Learning Center. The Recreation Advisory Board at their October 9, 2018, meeting motioned unanimously to recommend City Council approval.

5. **Setting Obsolete Property Rehabilitation Exemption Public Hearing – November 1, 2018 – 301 North Lincoln Road – District No. 25.**
   Explanation: Dial Escanaba Mall I LLP, owner of 301 North Lincoln Road, has requested to be enrolled in the Obsolete Properties Rehabilitation Act (OPRA) (PA 146, 2000) which allows for partial exemption of property taxes for a specified period of time so that certain types of property improvements can be made. The intent of the legislation is to encourage rehabilitation of underutilized or decaying commercial or commercial/residential properties in certain designated communities. Administration is recommending Council set a public hearing date for November 1, 2018, so there is public understanding of the project.

6. **Approval – Resolution - MERS Uniform 457 Supplemental Retirement Program Plan – Treasurer.**
   Explanation: Administration is seeking approval of a resolution to open an additional 457 Plan through MERS.

7. **Discussion/Update – United Impact Group, LLC FOIA.**
   Explanation: Will hear legal counsel opinion on destruction date.

APPOINTMENTS
BOARD, COMMISSION, AND COMMITTEE REPORTS
GENERAL PUBLIC COMMENT
ANNOUNCEMENTS
ADJOURNMENT

Respectfully Submitted

Patrick S. Jordan
City Manager

CITY COUNCIL
MEETING AGENDA - ADDENDUM
October 18, 2018

Marc D. Tall, Mayor
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Regular Meeting - Addendum
Thursday, October 18, 2018, at 7:00 p.m.

NEW BUSINESS

8. **Setting a Public Hearing for CDBG RLF Program for Northern Machining & Repair, Inc. – November 1, 2018 – Treasurer.**
   Explanation: Administration is recommenindg Council set a public hearing date for November 1, 2018.

Respectfully Submitted
Patrick S. Jordan
Patrick S. Jordan
City Manager

CITY COUNCIL
MEETING AGENDA - ADDENDUM
October 18, 2018

Marc D. Tall, Mayor
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Regular Meeting - Addendum
Thursday, October 18, 2018, at 7:00 p.m.

NEW BUSINESS

9. **Brownfield Redevelopment 381 Plan – 301 North Lincoln Road, Escanaba, Michigan.**
Council was requested to amend the City of Escanaba's Brownfield Redevelopment Act 381 Plan by including the Brownfield Redevelopment 381 Plan for property located at 301 North Lincoln Road, Escanaba, Michigan. The plan includes eligible activities, costs and estimated tax capture for reimbursement of eligible expenses under Public Act 381, of the Brownfield Redevelopment Financing Act. On October 17, 2018, the Escanaba Brownfield Redevelopment Authority conducted a public hearing and has recommended Council approval.

Respectfully Submitted

Patrick S. Jordan
City Manager

OFFICIAL PROCEEDINGS
CITY COUNCIL
CITY OF ESCANABA, MICHIGAN
Regular Council Meeting
Thursday, October 4, 2018

The meeting was called to order by the Honorable Mayor Marc D. Tall at 7:00 p.m. in the Council Chambers of City Hall located at 410 Ludington Street.

Present: Mayor Marc D. Tall, Council Members, Ronald J. Beauchamp, Ralph B. Blasier, Michael R. Sattem, and Peggy O'Connell Schumann.

Absent: None

Also Present: City Manager Patrick S. Jordan, City Department Heads, media, and members of the public.

Interim Clerk Weissert led Council in the Pledge of Allegiance.

Sattem moved, Blasier seconded, **CARRIED UNANIMOUSLY**, to approve Regular Meeting minutes from September 27, 2018, as submitted.

ADJUSTMENTS TO THE AGENDA

Blasier moved, Schumann seconded, **CARRIED UNANIMOUSLY**, to approve the Agenda as submitted.

CONFLICT OF INTEREST DECLARATION – None

BRIEF PUBLIC COMMENT – None

PUBLIC HEARINGS – None

UNFINISHED BUSINESS – None

NEW BUSINESS

Approval – Resolution for Lump Sum Payment to Municipal Employee's Retirement Fund - Controller

Administration sought approval by resolution for a lump sum payment to the Municipal Employee's Retirement System (MERS) in the amount of $2,500,000. The purpose of the payment was to increase the plan's funding percentage.

Controller Melissa Becotte gave a brief overview regarding the Lump Sum payment to the Municipal Employee's Retirement Fund.

NB-1 By Council Member Schumann, seconded by Council Member Beauchamp;

City of Escanaba

Resolution to Approve a Lump Sum Payment to MERS

WHEREAS, the Michigan Department of Treasury has labeled the City of Escanaba as being under funded in its Municipal Employee's Retirement System defined benefit pension plan; and

WHEREAS, the City desires to be removed from this list; and

WHEREAS, a payment of $2,500,000 will boost the City's assets and increase pension funding above 60% and remove the City from the underfunded list.

THEREFORE, BE IT RESOLVED that the City of Escanaba City Council approves a one-time, lump sum payment to MERS in the amount of $2,500,000.

Upon a call of the roll, the vote was as follows:

Ayes: Schumann, Beauchamp, Blasier, Sattem, Tall
Nays: None

RESOLUTION DECLARED ADOPTED.

Approval – Correction Action Plan for the MERS Defined Benefit Pension Plan – Controller

Administration sought approval of the Corrective Action Plan for the MERS defined benefit pension plan. This was a requirement by the Department of Treasury.

NB-2 Blasier moved, Schumann seconded, to approve the Corrective Action Plan for the MERS defined benefit pension plan.

Upon a call of the roll, the vote was as follows:

Ayes: Blasier, Schumann, Beauchamp, Sattem, Tall
Nays: None

MOTION CARRIED.

Approval – Traffic Control Order #990 – Public Safety

Administration sought permanent approval of Traffic Control Order #990 to have the winter parking restrictions lifted between the hours of 7:00 AM and 5:00 PM for 3rd Avenue South between South 25th and 26th Streets. This Traffic Control Order was approved by the Traffic Safety Advisory Board on December 19, 2017.

NB-3 Blaiser moved, Sattem seconded, **CARRIED UNANIMOUSLY**, to approve Traffic Control Order #990 to have the winter parking restrictions lifted between the hours of 7:00 AM and 5:00 PM for 3rd Avenue South between South 25th and 26th Streets on the south side of the street.

Approval to Proceed – USDA Grant Application – Public Safety

Administration sought approval to proceed with an USDA Grant application which would be used to cover 35% of the purchase price of the next Supervisor Patrol Vehicle for Public Safety Department. If approved the Council was asked to then set a Public Hearing for October 18, 2018.

NB-4 Blasier moved, Schumann seconded, to approve to proceed with an USDA Grant application which would be used to cover 35% of the purchase price of the next Supervisor Patrol Vehicle for Public Safety Department, also set a Public Hearing for October 18, 2018.

Upon a call of the roll, the vote was as follows:

Ayes: Blaiser, Schumann, Beauchamp, Sattem, Tall
Nays: None

MOTION CARRIED.

Update – Paving Projects for FY 2018/2019 – Public Works

Administration updated Council concerning current and upcoming paving projects.

Public Works Director Robert Becotte gave a brief overview on paving projects.

- 3rd Avenue North Project is going well;
- Next portion of the 3rd Avenue North project is from North Lincoln Road to North 30th Street, which is scheduled to begin October 17, 2018;
- Danforth Road from north of the Landfill is scheduled to start October 22, 2018.

Approval – Resolution to Oppose SB0637 Small Wireless Facilities

Administration recommended approval of a Resolution opposing SB0637 concerning Small Wireless Facilities.

Mayor Tall stated SB0637 has been through committee and it was their intent to get a resolution to them before it went to committee. The issue is mute at this point and is willing to let it go.

Discussion/Update – United Impact Group, LLC FOIA

The City Manager Jordan gave an update concerning the United Impact Group, LLC FOIA request.

City Manager Jordan stated there is nothing new to report and the City has not received a check from the United Impact Group, LLC.

NB-7 Blasier moved, Schumann seconded, to table this agenda item regarding the United Impact Group, LLC FOIA, until City Attorney Ralph Peterson can be present at the next Council Meeting.

Upon a call of the roll, the vote was as follows:

Ayes: Blaiser, Schumann, Beauchamp, Sattem, Tall
Nays: None

MOTION CARRIED.

Discussion – Reaffirmation of Supervisory Duties Delegated to the City Manager.

A discussion took place concerning the supervisory duties delegated to the City Manager.

Mayor Tall stated for many years the Manager has been the supervisor for the Assessor and the Clerk and the way that it has been done worked and should continue to work. Mayor Tall stated this item is on the agenda to reaffirm that or state a change.

City Manager Jordan stated a job description is being put together for a Level 2 Assistant Assessor and hopefully has significant progress working towards their Level 3.

Manager Jordan is asking for direction on how to handle the hiring of an Assistant Assessor.

In the past, an Assistant Assessor was interviewed by the Assessor , Manager, and Human Resources Director, but City Charter states City Council hires an Assistant Assessor. Manager Jordan suggested to let the hiring process be as it has been in the past for hiring an Assistant Assessor and if they find a Level 3 Assessor, City Council will do the hiring.

NB-8 Beauchamp moved, Schumann seconded, **CARRIED UNANIMOUSLY**, to have the Manager, Human Resources Director and the Assessor take care of the hiring process of a Level 2 Assistant Assessor, also to provide Council with documentation of the job postings, job description, resumes and applicants that will be interviewed.

APPOINTMENT(S) TO CITY BOARDS, COMMISSIONS, AND COMMITTEES – None

BOARD, COMMISSION, AND COMMITTEE REPORTS

Council Members reviewed City Board and Commission meetings each attended since the last City Council Meeting.

GENERAL PUBLIC COMMENT – None

ANNOUNCEMENTS

Annual Fundraiser for the Delta Animal Shelter will be held at the Island Resort and Casino on October 25, 2018,
Trunk or Treat downtown is going over very well;
PFAS and PFOA substance samples of city water supply passed, analyte was not detected;.
Welcomed all participants in the Cabela's Master Walleye Circuit.

Hearing no further public comment, the Council adjourned at 7:30 p.m.

Respectfully submitted

Tammy A. Weissert, CMC
Interim City Clerk

Approved: _____
Marc D. Tall, Mayor

N.B. #2

C.C. 10/18/18

MEMO

TO: Patrick Jordan, City Manager

FROM: Blaine DeGrave, Planning & Zoning Administrator

DATE: October 1, 2018

RE: Historic District Commission Term Re-Alignment

In early September, my office was notified that the terms for 5 of the 7 Historic District Commissioners were expiring as of October 1, 2018. Upon researching why nearly all were expiring at the same time, it was discovered that at some point in the past, terms were simply extended a year at a time, instead of in 3-year increments as outlined in the HDC ordinance. This has resulting in a cumulative effect whereby all HDC positions would have to be renewed annually by the City Council, instead of only 2-3 per year as outlined in the ordinance. The reason for the shift is unknown.

It is proposed that the HDC terms should be re-aligned to conform to the schedule outlined in the ordinance and based on the original appointment dates. Please see the attached documents that show what the re-alignment looks like in terms of when the terms would expire for each commissioner.

All HDC members have been contacted with this information and are in agreement with the proposed re-alignment.

Additionally, the re-alignment would result in the terms of Judith Fouts and Monte Morrison expiring on October 1, 2018. Both have agreed to serve another 3-year term if approved by City Council.

It is requested that these matters be added to the October 18, 2018 City Council agenda.

HISTORIC DISTRICT COMMISSION TERMS

	Initial Term	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Seat 1	3 yrs	Judith Fouts			Judith Fouts			Judith Fouts					
Seat 2	3 yrs	Monte Morrison			Monte Morrison			Monte Morrison					
Seat 3	2 yrs	Mary Maercklein		Mary Maercklein (end 9/2012) Karen Lindquist (start 1/17/2013)			Karen Lindquist			Karen Lindquist			
Seat 4	2 yrs	Ellie O'Donnell		Ellie O'Donnell			Ellie O'Donnell			Ellie O'Donnell			
Seat 5	2 yrs	Don Curran		Don Curran			Don Curran			Don Curran			
Seat 6	1 yr	Suzell Eisenberger	Suzell Eisenberger			Suzell Eisenberger			Suzell Eisenberger				
Seat 7	1 yr	Betty Breclaw	Betty Breclaw			Elizabeth Keller (start 9/4/14)			Elizabeth Keller				

HISTORIC DISTRICT COMMISSION TERMS

Term Length: 3 Years (starts Oct. 1)

Status	First	Last	Initial Appt. Date	Initial Term Length	Term 1	Term 2	Term 3	Term 4	Current Term Expires
Active	Judith	Fouts	10/15/2009	3 years	2009-2012	2012-2015	2015-2018		10/1/2018
Active	Monte	Morrison	10/15/2009	3 years	2009-2012	2012-2015	2015-2018		10/1/2018
Active	Suzell	Eisenberger	10/15/2009	1 year	2009-2010	2010-2013	2013-2016	2016-2019	10/1/2019
Active	Elizabeth	Keller	9/4/2014	NA	2014-2016	2016-2019			10/1/2019
Active	Don	Curran	10/15/2009	2 years	2009-2011	2011-2014	2014-2017	2017-2020	10/1/2020
Active	Ellie	O'Donnell	10/15/2009	2 years	2009-2011	2011-2014	2014-2017	2017-2020	10/1/2020
Active	Karen	Lindquist	1/17/2013	NA	2013	2014-2017	2017-2020		10/1/2020
Former	Betty	Breclaw	10/15/2009	1 year	2009-2010	2010-2013	NA	NA	NA
Former	Mary	Maercklein	10/15/2009	2 years	2009-2011	2011-2012 (Partial term)	NA	NA	NA

Mary Maerklein resigned 9/2012; replaced by Karen Lindquist

Betty Breclaw - at 9/2013 mtg., but not afterwards; replaced by Elizabeth Keller

N.B. #3

CC. 10/18/18

MEMORANDUM

To: Pat Jordan

From: Mike Furmanski MF

Date: 10OCT18

Re: Pole Inspection/Treatment Bid Recommendation

For 10 plus years the City has had wooden poles evaluated. The company selected to do this work was always determined via an RFP process. Karcz Utility Services, LLC of Pulaski, WI has won the bid every year except for 2008, and have been the only bid received for quite a few years now. I reached out to Karcz a couple weeks ago and he said their prices have not changed at all from 2017 and they would have some time in their schedule to do some pole testing for us.

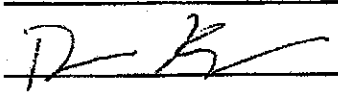
Due to the fact that there prices are the same this year as last, and we have been very happy with the work they do, and it is budgeted, I would like to seek Council approval to hire Karcz Uti;tity Services for a not to exceed amount of $15,000.

	Karcz 2017 and 2018
Visual Inspection	$9.50
Partial Excavation/Sound & Bore	$14.75
Partial Excavation Reject	$16.75
Excavated Reject	$60.00
External Treatment	$67.50
Hollow Heart Treatment	$35.00
Boron Rods	$3.30
Mobilization	$500.00

CITY OF ESCANABA ELECTRIC 2018 POLE INSPECTION BID

Visual Inspection	$9.50 / Pole
Partial Escavation/Sound and Bore	$14.75 / Pole
Partial Excavation Reject	$16.75 / Pole
Escavated Reject	$60.00 / Pole
External Treatment	$67.50 / Pole
Boron Rod Treatment	$3.30 / Rod
Hollow Heart Treatment	$35.00 / Pole
Mobilization	$500.00
Approximate Start Date	

SUBMITTED BY:

FIRM:	Karcz Utility Services, LLC
ADDRESS:	977 Yurek Rd, Pulaski, WI 54162
SIGNATURE:	
PRINTED:	Dave Karcz Jr
TITLE:	Member
PHONE:	920-822-2663

N.B. #4

C.C. 10/18/18

MEMORANDUM October 10, 2018

TO: Patrick Jordan, City Manager
Tammy Weissert, Interim City Clerk

FROM: Kim Peterson, Recreation Director KP

SUBJECT: City Council Meeting Agenda for October 18th
Swing Set Donation to the Learning Center

The Learning Center is seeking playground equipment for their facility located at the old Jefferson School next to the Lemerand Complex. There currently are three sets of swings at the Lemerand Complex. Two sets of six swings and one set of eight swings. The Recreation Advisory Board at their October 9, 2018, meeting motioned unanimously to recommend City Council approve the donation of one set of swings be donated to the Learning Center.

According to City policy, City Council approval is needed to donate City property.

N.B. #5

C.C. 10/18/18

Delta Plaza Mall

OPRE Application

In 2014, the City of Escanaba established an Obsolete Property Redevelopment District for the block including the Delta Plaza Mall. the Owner is now submitting this Application to gain the exemption for the Mall.

The following information is required as an attachment to the Obsolete Property Rehabilitation Exemption Application

A. General Description

The Mall was developed by Gamble Development Company and opened November 8, 1970. The Mall, a typical block and steel single story building, totals 127,787 square feet stores with limited outside entrance. At the present time 11 stores representing 51,727 square feet are occupied, leaving 76,000 square feet vacant.

B. Proposed Use after Rehabilitation

The Mall will continue to be used for retail sales. Marshalls has committed to developing a store within the Mall. The presence of this large national retailer should result in other tenants desiring to lease space, leading to further redevelopment.

C. Proposed Rehabilitation

The proposed rehabilitation includes the removing and construction of walls, reconstruction of store fronts, replacement of outdated features and moving utilities to create areas which will upgrade the current Mall to meet new tenant requirements.

A Mall where there is limited access from the outside is becoming a thing of the past. Consumers expect to be able to enter stores directly, and to generally have smaller stores.

E. Fixed Building Equipment

Upgrades to the Mall heating and cooling systems and utility modifications, beyond standard maintenance, will be reviewed as tenants are identified.

F. Schedule

The rehabilitation work is scheduled to begin in early 2019 and to be completed in three years.

G. Economic Advantages

The economic advantages which will result from the proposed rehabilitation are the revitalization of a large, mostly vacant, retail establishment within the City of Escanaba. Portions of the Mall have been vacant for periods of two to ten years. Through the rehabilitation efforts, the Mall can be the beginning of a trend to rehabilitate and regrow businesses in this area.

Further, other structures in this area are standing vacant. A revitalized mall can bring new life to the area, with new leases for these structures.

Michigan Department of Treasury
3674 (Rev. 05-13)

Application for Obsolete Property Rehabilitation Exemption Certificate

This form is issued as provided by Public Act 146 of 2000, as amended. This application should be filed after the district is established. This project will not receive tax benefits until approved by the State Tax Commission. Applications received after October 31 may not be acted upon in the current year. This application is subject to audit by the State Tax Commission.

INSTRUCTIONS: File the original and two copies of this form and the required attachments with the clerk of the local government unit. (The State Tax Commission requires two copies of the Application and attachments. The original is retained by the clerk.) Please see State Tax Commission Bulletin 9 of 2000 for more information about the Obsolete Property Rehabilitation Exemption. The following must be provided to the local government unit as attachments to this application: (a) General description of the obsolete facility (year built, original use, most recent use, number of stories, square footage); (b) General description of the proposed use of the rehabilitated facility, (c) Description of the general nature and extent of the rehabilitation to be undertaken, (d) A descriptive list of the fixed building equipment that will be a part of the rehabilitated facility, (e) A time schedule for undertaking and completing the rehabilitation of the facility, (f) A statement of the economic advantages expected from the exemption. A statement from the assessor of the local unit of government, describing the required obsolescence has been met for this building, is required with each application. Rehabilitation may commence after establishment of district.

Applicant (Company) Name (applicant must be the OWNER of the facility) Dial Escanaba Mall I LLP		
Company Mailing address (No. and street, P.O. Box, City, State, ZIP Code) 11506 Nicholas Street Suite 100, Omaha, NE, 68154		
Location of obsolete facility (No. and street, City, State, ZIP Code) 301 N Lincoln Road		
City, Township, Village (indicate which) City of Escanaba	County Delta	
Date of Commencement of Rehabilitation (mm/dd/yyyy) 1-1-2019	Planned date of Completion of Rehabilitation (mm/dd/yyyy) 1-1-2022	School District where facility is located (include school code) Escanaba
Estimated Cost of Rehabilitation $1,000,000.00	Number of years exemption requested 12	Attach Legal description of Obsolete Property on separate sheet

Expected project likelihood (check all that apply):

- [X] Increase Commercial activity
- [ ] Retain employment
- [X] Revitalize urban areas
- [X] Create employment
- [ ] Prevent a loss of employment
- [ ] Increase number of residents in the community in which the facility is situated

Indicate the number of jobs to be retained or created as a result of rehabilitating the facility, including expected construction employment 90

Each year, the State Treasurer may approve 25 additional reductions of half the school operating and state education taxes for a period not to exceed six years. Check the following box if you wish to be considered for this exclusion. [X]

APPLICANT'S CERTIFICATION

The undersigned, authorized officer of the company making this application certifies that, to the best of his/her knowledge, no information contained herein or in the attachments hereto is false in any way and that all of the information is truly descriptive of the property for which this application is being submitted. Further, the undersigned is aware that, if any statement or information provided is untrue, the exemption provided by Public Act 146 of 2000 may be in jeopardy.

The applicant certifies that this application relates to a rehabilitation program that, when completed, constitutes a rehabilitated facility, as defined by Public Act 146 of 2000, as amended, and that the rehabilitation of the facility would not be undertaken without the applicant's receipt of the exemption certificate.

It is further certified that the undersigned is familiar with the provisions of Public Act 146 of 2000, as amended, of the Michigan Compiled Laws; and to the best of his/her knowledge and belief, (s)he has complied or will be able to comply with all of the requirements thereof which are prerequisite to the approval of the application by the local unit of government and the issuance of an Obsolete Property Rehabilitation Exemption Certificate by the State Tax Commission.

Name of Company Officer (no authorized agents) Robert Furley	Telephone Number (402) 493-2800	Fax Number
Mailing Address 11506 Nicholas Street Suite 100, Omaha NE, 68154		Email Address bfurley@dialrealtycorp.com
Signature of Company Officer (no authorized agents)		Title Manager

LOCAL GOVERNMENT UNIT CLERK CERTIFICATION

The Clerk must also complete Parts 1, 2 and 4 on Page 2. Part 3 is to be completed by the Assessor.

Signature	Date application received

FOR STATE TAX COMMISSION USE

Application Number	Date Received	LUCI Code

LEGAL DESCRIPTION FOR PROPERTY

DELTA PLAZA

The legal description for the Mall is as follows:

PART OF SEC 25 IN TOWNSHIP 39 N RANGE 23 W PRT OF BLOCKS 7, 8 & 9 OF THE CITY CENTER ADDITION NO. 3 & PRT OF SE1/4 OF NE1/4 BEG 502.33 FT N & 200 FT W OF E 1/4 COR OF SEC 25 TH N 89° 58' W 420.89 FT, TH N 0° 05' 39" E 100.5 FT, TH N 89° 58' W 82.5 FT, TH S 0° 05' 39" W 14.5 FT, TH N 89° 58' W 1.22 FT, TH N 89° 58' W 229.8 FT, TH N 0° 05' 39" E 366.06 FT TO S ROW OF 3RD AVE N, TH N 84° 51' 12" E 740.89 FT ALG ROW, TH S 0° 39' W 503.28 FT TO POB. 5.76 ACRES. (DESC CHANGED FOR 2017 AFTER SPLITS BY KD)

LOCAL GOVERNMENT ACTION

This section is to be completed by the clerk of the local governing unit before submitting the application to the State Tax Commission. Include a copy of the resolution which approves the application and Instruction items (a) through (f) on page 1, and a separate statement of obsolescence from the assessor of record with the State Assessor's Board. All sections must be completed in order to process.

PART 1: ACTION TAKEN

Action Date:_____

☐ Exemption Approved for _____ Years, ending December 30, _____ (not to exceed 12 years)

☐ Denied

Date District Established	LUCI Code	School Code

PART 2: RESOLUTIONS (the following statements must be included in resolutions approving)

A statement that the local unit is a Qualified Local Governmental Unit.

A statement that the Obsolete Property Rehabilitation District was legally established including the date established and the date of hearing as provided by section 3 of Public Act 146 of 2000.

A statement indicating whether the taxable value of the property proposed to be exempt plus the aggregate taxable value of property already exempt under Public Act 146 of 2000 and under Public Act 198 of 1974 (IFT's) exceeds 5% of the total taxable value of the unit.

A statement of the factors, criteria and objectives, if any, necessary for extending the exemption, when the certificate is for less than 12 years.

A statement that a public hearing was held on the application as provided by section 4(2) of Public Act 146 of 2000 including the date of the hearing.

A statement that the applicant is not delinquent in any taxes related to the facility.

If it exceeds 5% (see above), a statement that exceeding 5% will not have the effect of substantially impeding the operation of the Qualified Local Governmental Unit or of impairing the financial soundness of an affected taxing unit.

A statement that all of the items described under "Instructions" (a) through (f) of the Application for Obsolete Property Rehabilitation Exemption Certificate have been provided to the Qualified Local Governmental Unit by the applicant.

A statement that the application is for obsolete property as defined in section 2(h) of Public Act 146 of 2000.

A statement that the commencement of the rehabilitation of the facility did not occur before the establishment of the Obsolete Property Rehabilitation District.

A statement that the application relates to a rehabilitation program that when completed constitutes a rehabilitated facility within the meaning of Public Act 146 of 2000 and that is situated within an Obsolete Property Rehabilitation District established in a Qualified Local Governmental Unit eligible under Public Act 146 of 2000 to establish such a district.

A statement that completion of the rehabilitated facility is calculated to, and will at the time of issuance of the certificate, have the reasonable likelihood to, increase commercial activity, create employment, retain employment, prevent a loss of employment, revitalize urban areas, or increase the number of residents in the community in which the facility is situated. The statement should indicate which of these the rehabilitation is likely to result in.

A statement that the rehabilitation includes improvements aggregating 10% or more of the true cash value of the property at commencement of the rehabilitation as provided by section 2(l) of Public Act 146 of 2000.

A statement of the period of time authorized by the Qualified Local Governmental Unit for completion of the rehabilitation.

PART 3: ASSESSOR RECOMMENDATIONS

Provide the Taxable Value and State Equalized Value of the Obsolete Property, as provided in Public Act 146 of 2000, as amended, for the tax year immediately preceding the effective date of the certificate (December 31st of the year approved by the STC).

	Taxable Value	State Equalized Value (SEV)	
Building(s)			
Name of Governmental Unit		Date of Action on application	Date of Statement of Obsolescence

PART 4: CLERK CERTIFICATION

The undersigned clerk certifies that, to the best of his/her knowledge, no information contained herein or in the attachments hereto is false in any way. Further, the undersigned is aware that if any information provided is untrue, the exemption provided by Public Act 146 of 2000 may be in jeopardy.

Name of Clerk	Clerk Signature	Date	
Clerk's Mailing Address	City	State	ZIP Code
	Telephone Number	Fax Number	Email Address

Mail completed application and attachments to: Michigan Department of Treasury
State Tax Commission
P.O. Box 30471
Lansing, Michigan 48909-7971

If you have any questions, call (517) 373-2408.

For guaranteed receipt by the State Tax Commission, it is recommended that applications and attachments are sent by certified mail.

EQUALIZATION DEPARTMENT

COUNTY OF DELTA

310 LUDINGTON STREET
ESCANABA, MICHIGAN 49829

JULI KOLBE, MMAO, DIRECTOR
LEE ANNE STRAND, MCAO
EQUALIZATION OFFICE MANAGER

TELEPHONE (906) 789-5109
FAX (906) 789-5188
Office Hours 8 a.m. to 4 p.m.

October 10, 2016

Statement of Obsolescence for 301 N Lincoln Road, Escanaba Michigan owned by DIAL Escanaba Mall LP.

The building that is the subject of this request is an enclosed Commercial Shopping Center that was built in 1970 and consists of 240,428 square feet. The mall consists of an anchor store of JC Penney with 29 retail spaces and a food court. The food court currently has room for 3 food counters. On the day of inspection all 3 were vacant.

Retail spaces are leased and lease holders are responsible for leasehold improvements. The mall is currently approximately 1/3 vacant.

The original roof is a steel deck with a rubber membrane is at the end of its physical life as there is evidence of this throughout the mall with rusted skylights and water damaged drywall.

The plumbing is inadequate and does not meet ADA requirements. There are 4 public restrooms, each one includes 3 stalls each and 2 sinks. HVAC is original to the building and is over 40 years old and is inadequate. The electrical fixtures are outdated and need to be upgrade for energy efficiency.

The interior of the building currently has a poor layout. The public walkways of the mall are carpeted. The carpet has truly outlived its physical life.

The parking lot is in poor condition and the signage for the shopping center is almost absent.

Obsolescence is apparent in the lack of modern and efficient electrical, plumbing and mechanical systems. In the opinion of this Equalization Director, this property suffers in excess of 50% of physical and functional obsolescence.

JuliAnne L. Kolbe, MMAO
Delta County Equalization Director
310 Ludington St
Escanaba, MI 49829

STATE OF MICHIGAN
DEPARTMENT OF LICENSING & REGULATORY AFFAIRS
MICHIGAN ADMINISTRATIVE HEARING SYSTEM
MICHIGAN TAX TRIBUNAL
ENTIRE TRIBUNAL

Northland Centers Inc,
Petitioner,

v MTT Docket No. 17-001730

City Of Escanaba,
Respondent.

ORDER OF DISMISSAL

The Tribunal has reviewed the file in the above-captioned case and finds:

Petitioner has filed a Motion to Withdraw the Petition and the Motion indicates that Petitioner informed Respondent of the Motion and that Respondent concurs with the requested withdrawal.

Therefore,

IT IS ORDERED that the case is DISMISSED.

This Order resolves all pending issues and closes the case.

APPEAL RIGHTS

If you disagree with the final decision in this case, you may either file a motion with the Tribunal requesting the Tribunal to reconsider the final decision (i.e., a motion for reconsideration) or appeal the final decision to the Michigan Court of Appeals (i.e., a claim of appeal).

The motion for reconsideration must be filed with the required filing fee within 21 days from the date of entry of the final decision.[1] Because the final decision closes the case, you cannot file the motion through the Tribunal's web-based e-filing system. Rather, you are required to either mail[2] the motion or have it hand delivered to the Tribunal (i.e., personal delivery). Further, the fee for the filing of such motions in the Entire Tribunal is $50.00 and in the Small Claims Division is $25.00 unless the Small Claims final decision relates the valuation of property and the property had a principal residence exemption of at least 50% at the time the petition was filed or the decision relates to the grant or denial of a poverty exemption and, if so, there is no filing fee.[3]

[1] See MCL 205.752 and TTR 261 and 257.
[2] Mailing includes delivery through the U.S. Postal Service or a commercial delivery service, as provided by MCL 205.735a(7).

A copy of the motion must also be served (i.e., sent) to the opposing party by mail, by personal delivery or, if the opposing party agrees to electronic service, by email and proof demonstrating that service must be submitted with the motion.[4] Responses to motions for reconsideration are prohibited and there are no oral arguments unless otherwise ordered by the Tribunal.[5]

The claim of appeal must be filed with the Court of Appeals with appropriate filing fee. If the claim is filed within 21 days of the entry of the decision, the appeal is an "appeal by right." If the claim is filed more than 21 days after the entry of the decision, the appeal is an "appeal by leave."[6]

A copy of the claim must also be filed with the Tribunal with appropriate filing fee for certification of the record on appeal.[7] The filing of the claim is, as indicated above, by mail or personal delivery. Further, the fee for the filing of the claim in both the Entire Tribunal and the Small Claims Division is $100.00 unless no Small Claims fee is required, as also indicated above.

By: _____
Steven H. Lasher, Tribunal Chair

Entered: September 22, 2017

[3] See TTR 267
[4] See TTR 261 and 225(3).
[5] See TTR 261 and 257(2).
[6] See MCL 205.753 and MCR 7.204.
[7] See TTR 213 and TTR 267.

STATE OF MICHIGAN
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Therefore,

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By: _____
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Entered: September 22, 2017

[10] See TTR 267
[11] See TTR 261 and 225(3).
[12] See TTR 261 and 257(2).
[13] See MCL 205.753 and MCR 7.204.
[14] See TTR 213 and TTR 267.

STATE OF MICHIGAN
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Therefore,

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By: _____
Steven H. Lasher, Tribunal Chair

Entered: September 22, 2017

[17] See TTR 267
[18] See TTR 261 and 225(3).
[19] See TTR 261 and 257(2).
[20] See MCL 205.753 and MCR 7.204.
[21] See TTR 213 and TTR 267.

STATE OF MICHIGAN
DEPARTMENT OF LICENSING & REGULATORY AFFAIRS
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Northland Centers Inc,
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Therefore,

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By:_____
Steven H. Lasher, Tribunal Chair

Entered: September 22, 2017

[24] See TTR 267
[25] See TTR 261 and 225(3).
[26] See TTR 261 and 257(2).
[27] See MCL 205.753 and MCR 7.204.
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STATE OF MICHIGAN
DEPARTMENT OF LICENSING & REGULATORY AFFAIRS
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Northland Centers Inc,
Petitioner,

v MTT Docket No. 17-001730

City Of Escanaba,
Respondent.

PROOF OF SERVICE

I hereby certify that true copies of the attached Order of Dismissal were sent on the entry date indicated below to the parties or their attorneys or authorized representatives, if any, utilizing either the mailing or email addresses on file, as provided by those parties, attorneys, or authorized representatives. A true copy of the document was also sent to the applicable County Treasurer by mail or email, if the document was a Final Opinion and Judgment.

By: Tribunal Clerk

Entered: September 22, 2017

N.B. #6

C.C. 10/18/18

MERS 457 Participation Agreement

1134 Municipal Way Lansing, MI 48917 | 800.767.2308 | Fax 517.703.9707 www.mersofmich.com

The Employer, a participating municipality or participating court within the state of Michigan, hereby agrees to adopt and administer the MERS 457 Program provided by the Municipal Employees' Retirement System of Michigan, in accordance with the MERS Plan Document, as both may be amended, subject to the terms and conditions herein.

I. Employer Name: City of Escanaba
(Name of municipality or court)

Municipality Number: 2101 **Division Number** (if amendment): N/A

If new to MERS, please provide your municipality's fiscal year: N/A (Month) through N/A (Month).

II. Effective Date: The MERS 457(b) Program will be effective as follows (choose one):

☒ **Original Adoption.** The MERS 457(b) Program will be effective 11/2018 (Month and year), with respect to contributions upon approval by the Program Administrator.

☐ To establish a new plan or replace current 457 carrier with the MERS 457 Program.

☒ To add the MERS 457 Program in addition to another 457 carrier.

Plan Name(s) and Provider(s):
ICMA

VERY IMPORTANT: All eligible programs of a Participating Employer are considered to be a single plan for purposes of compliance with Code Section 457(b). Thus, if a Participating Employer has more than one eligible 457 (or additional investment options under a 457(b) arrangement with more than one vendor), the Participating Employer is responsible for ensuring that all of its arrangements, treated as a single program, comply with the 457(b) requirements. In order to fulfill its responsibility for monitoring coordination of multiple programs, the Participating Employer must carefully review the Master Plan Document provisions.

☐ **Amendment and Restatement.** The amended and restated MERS 457(b) Program will be effective _____ (Month and year), with respect to contributions upon approval by the Program Administrator. The MERS 457(b) Program was originally effective _____ (Month and year).

Note: You only need to mark ***changes*** to your plan throughout the remainder of this Agreement.

III. Eligible Employees: Only Employees as defined in the Program may be covered by the Participation Agreement. Subject to other conditions in the Program, this Agreement, and Addendum (if applicable), the following Employees are eligible to participate in the Program:
All full-time and part-time employees of the City of Escanaba, excluding seasonal employees.

IV. Contributions will be submitted (check one):

Contributions will be remitted according to Employer's "Payroll Period" which represents the actual period amounts are withheld from participant paychecks, or within the month during which amounts are withheld.

☐ Weekly
☒ Bi-Weekly (every other week)
☐ Semi-Monthly (twice each month)
☐ Monthly

V. Roth Deferral Contributions: ☒ shall be permitted ☐ shall not be permitted

If Roth Deferral Contributions are elected, the Program will allow Roth rollover contributions from other designated Roth 457(b), 401(k), or 403(b) Plans. Roth in-plan rollovers will also be allowed. Roth in-plan rollovers allow a participant who has reached 70½ or who has incurred a severance from employment to elect to have all or a portion of his or her pre-tax contribution account directly rolled into a designated Roth rollover account under the plan if the amount would otherwise be permitted to be distributed as an eligible rollover distribution. Any amounts that are rolled to the Roth rollover account are considered to be irrevocable and may not be rolled back to the pre-tax account.

VI. Loans: ☐ shall be permitted ☒ shall not be permitted

If Loans are elected, please complete and attach the *MERS 457 Loan Addendum*.

VII. Automatic Enrollment: ☐ shall be permitted ☒ shall not be permitted

If selected, please complete and attach the *MERS 457 Eligible Automatic Contribution Arrangement (EACA) Addendum*.

VIII. Employer Contributions: ☐ shall be permitted ☒ shall not be permitted

If selected, please complete and attach the *MERS 457 Employer Contribution Addendum*.

IX. Modification of the Terms of the Participation Agreement

If the employer desires to amend any of its elections contained in the Participation Agreement, including attachments/addendums, the Governing Body or Chief Judge, by resolution or official action accepted by MERS, must adopt a new Participation Agreement. The amendment of the new agreement is not effective until approved by MERS.

X. Enforcement

1. This Participation Agreement, including attachments/addendums may be terminated only in accordance with the Master Plan Document
2. The Employer hereby agrees to the provisions of the *MERS 457 Supplemental Retirement Program and Trust Master Plan Document*.
3. The employer hereby acknowledges it understands that failure to properly fill out this Participation Agreement may result in the ineligibility of the program.

XI. Execution

Authorized Designee of Governing Body of Municipality or Chief Judge of Court

The foregoing Participation Agreement is hereby approved by City of Escanaba
(Name of Approving Employer)
on the _____ day of _____, 20____.

Authorized signature: _____

Title: _____

Witness signature: _____

Received and Approved by the Municipal Employees' Retirement System of Michigan

Dated: _____, 20____ Signature: _____
(Authorized MERS Signatory)

MERS Uniform 457 Supplemental Retirement Program Resolution

MERS Municipal Employees' Retirement System

1134 Municipal Way Lansing, MI 48917 | 800.767.2308 | Fax 517.703.9711 www.mersofmich.com

This Resolution, together with the MERS 457 Supplemental Retirement Program and Trust Master Plan Document and the MERS 457 Supplemental Retirement Program Participation Agreement and any Addendum thereto, constitute the entire MERS 457 Deferred Compensation Plan Document.

WHEREAS, the Municipal Employees Retirement Act of 1984, Section 36(2)(a), MCL 38.1536(2)(a) (MERS Plan Document (Section 36(2)(a)) authorizes the Municipal Employees' Retirement Board (the "Board") to "establish additional programs including but not limited to defined benefit, defined contribution, ancillary benefits, health and welfare benefits, and other postemployment benefit programs," and on November 8, 2011, the Municipal Employees' Retirement Board adopted the MERS 457 Deferred Compensation Plan.

WHEREAS, this Uniform Resolution has been approved by the Board under the authority of Section 36(2)(a), and the Board has authorized the MERS 457 Deferred Compensation Plan, which shall not be implemented unless in strict compliance with the terms and conditions of this Resolution.

WHEREAS, the Participating Employer, a participating "municipality" (as defined in Section 2b(2) in the Municipal Employees Retirement Act of 1984; MCL 38.1502b(2); Plan Document Section 2b(4)) or participating "court" (circuit, district or probate court as defined in Section 2a(4) – (6) of the Act, MCL 38.1502a(4) – (6); Plan Document Section 2a(4) – (6)) within the State of Michigan has determined that in the interest of attracting and retaining qualified employees, it wishes to offer a deferred compensation plan;

WHEREAS, the Participating Employer has also determined that it wishes to encourage employees' saving for retirement by offering salary reduction contributions;

WHEREAS, the Participating Employer has reviewed the MERS 457 Supplemental Retirement Program ("Plan");

WHEREAS, the Participating Employer wishes to participate in the Plan to provide certain benefits to its employees, reduce overall administrative costs, and afford attractive investment opportunities;

WHEREAS, the Participating Employer is an Employer as defined in the Plan;

WHEREAS, concurrent with this Resolution, and as a continuing obligation, this Governing Body has completed and approved, and submitted to MERS and the Board documents necessary for adoption and implementation of the Plan; and

WHEREAS, the Governing Body for and on behalf of the Participating Employer is authorized by law to adopt this Resolution approving the Participation Agreement on behalf of the Participating Employer. In the event any alteration of the terms or conditions stated in this Resolution is made or occurs, it is expressly recognized that MERS and the Retirement Board, as sole trustee and fiduciary of the Plan and its trust reserves, and whose authority is nondelegable, shall have no obligation or duty to continue to administer (or to have administered) the MERS 457 Supplemental Retirement Program for the Participating Employer.

NOW, THEREFORE, BE IT RESOLVED that the Governing Body adopts the MERS 457 Supplemental Retirement Program as provided below.

I. The Participating Employer adopts the Plan for its Employees.

II. The Participating Employer hereby adopts the terms of the Participation Agreement, which is attached hereto and made a part of this Resolution. The Participation Agreement sets forth the Employees to be covered by the Plan, the benefits to be provided by the Participating Employer under the Plan, and any conditions imposed by the Participating Employer with respect to, but not inconsistent with, the Plan. The Participating Employer reserves the right to amend its elections under the Participation Agreement, so long as the amendment is not inconsistent with the Plan or the Internal Revenue Code or other applicable law and is approved by the Board.

III. The Participating Employer shall abide by the terms of the Plan, including amendments to the Plan made by the Board, all investment, administrative, and other service agreements of the Plan and the Trust, and all applicable provisions of the Internal Revenue Code and other applicable law.

IV. The Participating Employer acknowledges that the Board is only responsible for the Plan and any other plans of the Employer administered by MERS and that the Board has no responsibility for other employee benefit plans maintained by the Employer that are not part of MERS.

V. The Participating Employer accepts the administrative services to be provided by MERS and any services provided by a Service Manager as delegated by the Board. The Participating Employer acknowledges that fees will be imposed with respect to the services provided and that such fees may be deducted from the Participants' accounts.

VI. The Participating Employer acknowledges that the Plan contains provisions for involuntary Plan termination.

VII. The Participating Employer acknowledges that all assets held in connection with the Plan, including all contributions to the Plan, all property and rights acquired or purchased with such amounts and all income attributable to such amounts, property or rights shall be held in trust for the exclusive benefit of Participants and their Beneficiaries under the Plan. No part of the assets and income of the Plan shall be used for, or diverted to, purposes other than for the exclusive benefit of Participants and their Beneficiaries and for defraying reasonable expenses of the Plan. All amounts of compensation deferred pursuant to the Plan, all property and rights acquired or purchased with such amounts and all income attributable to such amounts, property or rights held as part of the Plan, shall be transferred to the Board to be held, managed, invested and distributed as part of the Trust Fund in accordance with the provisions of the Plan. All contributions to the Plan must be transferred by the Participating Employer to the Trust Fund. All benefits under the Plan shall be distributed solely from the Trust Fund pursuant to the Plan.

VIII. This Resolution and the Participation Agreement shall be submitted to the Board for its approval. The Board shall determine whether the Resolution complies with the Plan, and, if it does, shall provide appropriate forms to the Participating Employer to implement participation in the Plan. The Board may refuse to approve a Participation Agreement by an Employer that does not possess State statutory authority to participate in the Plan. The Governing Body hereby acknowledges that it is responsible to assure that this Resolution and the Participation Agreement are adopted and executed in accordance with the requirements of applicable law.

BE IT FINALLY RESOLVED: This Resolution shall have no legal effect under the Plan until a certified copy of this adopting Resolution is filed with MERS, and MERS determines that all necessary requirements under the 457 Supplemental Retirement Program Plan and Trust, the Participation Agreement, and this Resolution have been met. All dates for implementation of the Plan shall be determined by MERS from the date of filing with MERS of this Resolution in proper form and content. Upon MERS determination that all necessary documents have been submitted to MERS, MERS shall record its formal approval upon this Resolution, and return a copy to the Employer.

In the event an amendatory Resolution or other action by the municipality is required, such Resolution or action shall be deemed effective as of the date of the initial Resolution or action where concurred by this Governing Body and MERS (and a third-party administrator, if applicable and necessary). The terms and conditions of this Resolution supersede and stand in place of any prior resolution, and its terms are controlling.

I hereby certify that the above is a true copy of a Resolution adopted at the official meeting held on

_____, 20____. _____
(Signature of authorized official)

Municipality name: City of Escanaba

Received and Approved by the Municipal Employees' Retirement System of Michigan

Dated: _____, 20____ _____
(Authorized MERS signatory)

NB-#8

C.C. 10/18/18

MEMORANDUM

Date: October 15, 2018

To: Patrick Jordan, City Manager

From: Bob Valentine, City Treasurer

Subject: November 1, 2018 Council Agenda Item

I have requested that a public hearing be held at the November 1st council meeting for the purpose of obtaining public comment on a proposed $100,000 MEDC/CDBG loan to Northern Machining & Repair, Inc. The loan is being processed and underwritten by Northern Initiatives, using the City's CDBG funds which were previously transferred to them. MEDC has retained oversight of the CDBG loan program, and they require that a public hearing be held before they will authorize the loan.

Attached is a draft resolution in a format required by MEDC. Also attached is a copy of the public notice, using a template from MEDC, which originally ran in the Daily Press on October 8, 2018, with a second run date TBD.

Let me know if you require any further documentation. Thanks.

RESOLUTION

APPLICATION FOR FUNDING THROUGH THE CITY OF ESCANABA

STATE OF MICHIGAN COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG) REVOLVING LOAN FUND (RLF) PROGRAM FOR NORTHERN MACHINING & REPAIR, INC.

WHEREAS, Northern Machining & Repair, Inc. has made application through Northern Initiatives, Inc. for the City of Escanaba CDBG Revolving Loan Funds in the amount of $100,000 to aid with equipment purchases within the City of Escanaba, and

WHEREAS, the project location meets zoning requirement is consistent with the City of Escanaba's Comprehensive Plan, the project will employ at least 51% low to moderate income persons, and

WHEREAS, The City of Escanaba participates in the Regional RLF Model, has executed a Subrecipient Agreement with Northern Initiatives and has designated The City Treasurer and the Escanaba Economic Development Corporation Chair as its representatives on its Regional Funs Approval Committee, and

WHEREAS, the Regional Fund Approval Committee has reviewed and approved said application submitted by Northern Machining & Repair, Inc. on 9/6/2018 and

WHEREAS, no project costs (CDBG and non-CDBG) will be incurred prior to the formal loan award, completion of the environmental review procedures and formal, written authorization to incur costs has been provided by your CDBG Project Manager, and

WHEREAS, The City of Escanaba has advertised in the Daily Press newspaper and has held a public informational hearing in regard to the CDBG Revolving Loan Fund application on November 1, 2018.

THEREFORE BE IT FURTHER RESOLVED that The City of Escanaba acknowledges that it has held a public informational meeting on November 1, 2018 in regard to the CDBG Revolving Loan Fund Application by Northern Machining & Repair, Inc. in the amount of $100,000 for equipment for its business within the City of Escanaba, that the project will employ at least 51% low to moderate income persons and the project meets zoning requirements and is consistent with the City of Escanaba's Comprehensive Plan and authorizes the Mayor Marc Tall to sign the part 2 Application and all attachments.

The following aye votes were recorded: _____
The following nay votes were recorded: _____

_____
Marc Tall, Mayor

I hereby certify that the foregoing constitutes a true and complete copy of a resolution adopted by The City Council of the City of Escanaba, Delta County, Michigan, at the regular meeting held on November 1, 2018.

CITY OF ESCANABA

NOTICE OF PUBLIC REARING FOR MICHIGAN COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG) REVOLVING LOAN FUND (ELF) FUNDING FOR NORTHERN MACHINE & REPAIR

City of Escanaba will conduct a public hearing on November 1, 2018 at 7:00 pm in the Council Chambers, at the City of Escanaba's City Hall, 410 Ludington Street, Escanaba, Michigan for the purpose of affording citizens an opportunity to examine and submit comments on the proposed application for a loan though the CDBG 1 Revolving Loan Fund (ELF) Program.

City of Escanaba proposes to lend $100,000.00 of CDBG/RLF program funds to Northern Machining & Repair, Inc. to assist with its equipment needs. This will result in the hiring of (5) new employees, 51% of whom have been previously classified as low to moderate income persons. No individuals will be displaced as a result of the proposed activities.

Further information, CDBG/RLF application is available for review. To inspect the documents, please contact City Manager, Patrick Jordan, to review at City Hall. Comments may be submitted in writing through November 1, 2018, by 4:00pm, or made in person at the public hearing.

Citizen views and comments on the proposed application are welcome.

City of Escanaba Patrick Jordan, Manager 410 Ludington Street Escanaba, MI 49829

N.B. #9

C.C. 10/18/18

Resolution by the Escanaba City Council
Approving a Brownfield Plan

Delta Plaza Mall and Outlots Brownfield Plan

Pursuant to and in accordance with the provisions of Act 381
of the Public Acts of the State of Michigan 1996, as amended

WHEREAS, the City of Escanaba Brownfield Redevelopment Authority ("Authority"), pursuant to and in accordance with the provisions of the Brownfield Redevelopment Financing Act, Act 381 of the Public Acts of the State of Michigan of 1996, as amended, has prepared a Brownfield Plan for Delta Plaza and Outlots ("Plan"), pursuant to and in accordance with Section 13 of the Act; and,

WHEREAS, the Authority conducted a Public Hearing pursuant to Section 14 of the Plan with proper notice was given to the public and to taxing jurisdictions that levy taxes subject to capture as a result of this Plan; and,

WHEREAS, the Authority has recommended for approval by the Escanaba City Council the Brownfield Plan for Delta Plaza Mall and Outlots; and,

WHEREAS, as a result of its review of the Plan, the City Council desires to proceed with approval of the Plan;

NOW THEREFORE, BE IT RESOLVED THAT:

1. FINDINGS. The City Council makes the following determinations and findings:
   A. The Plan constitutes a public purpose under the Act;
   B. The Plan meets all of the requirements for a Brownfield Plan set forth in Sections 13 and 13b of the Act;
   C. The proposed method of financing the costs of eligible activities by Dial Escanaba Mall LLP as described in the Plan is feasible.
   D. The costs of the eligible activities proposed in the Plan are reasonable and necessary to carry out the purposes of the act; and,
   E. The amount of captured taxable value estimated to result from adoption of the Plan is reasonable.

2. PLAN APPROVED. Pursuant to the authority vested in the Authority by the Act, and pursuant to and in accordance with the provisions of Section 14 of the Act, the Brownfield Plan for Delta Plaza Mall and Outlots is hereby approved.

Roll call vote:

_____
City Clerk

_____
Date

ACT 381 COMBINED BROWNFIELD PLAN

TO CONDUCT ELIGIBLE MDEQ ENVIRONMENTAL AND/OR MSF NON-ENVIRONMENTAL ACTIVITIES

DELTA PLAZA MALL AND OUTLOTS
301 North Lincoln Avenue
City of Escanaba
Brownfield Redevelopment Authority

SEPTEMBER 18, 2018

Prepared by

Mountain Engineering, Inc
329 Doraland Street
Kingsford, Michigan 49802

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EXHIBITS

FIGURES

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ATTACHMENTS

ACT 381 COMBINED BROWNFIELD PLAN

1.0 INTRODUCTION

1.1 Proposed Redevelopment and Future Use for Each Eligible Property

There are four eligible properties included in this Brownfield Plan. The Delta Plaza builidng is an eligible Brownfield because it is a "facility" as defined by the Michigan Department of Environmental Quality (MDEQ). The former Menards building and the two outlots surrounding it meet the definitiion of a brownfield as "adjacent or contiguous to that property if the redevelopment of the adjacent and contiguous properties is estimated to increase the captured taxable value of that property.

Delta Plaza is being redeveloped, with new stores and updated utilities, flooring, and roofing as needed. Asbestos containing material has been identified and will be removed as required. Some utilities must be upgraded and or moved for redevelopment.

The former Menards Store is also being redeveloped for a new tenant, with a new rood and asbestos abatement.

The east outlot is being developed for a small buisness on the Lincon Avenue cooridor.

The northeast outlot is also being developed for a small buisness.

1.2 Eligible Property Information

1.2.1 Property Eligibility – Location/Legal Description –

This Brownfield plan includes four properties:

1. Delta Plaza Mall at 301 North Lincoln Avenue is parcel number 051-120-2825-278-001
2. The former Menard's builidng at 2400 1st Avenue store is parcel number 051-120-2825-278-006
3. Northeast Outlot at 319 North Lincoln Road is parcel number 051-120-2825-278-004
4. East Outlot at 309 North Lincoln Road is parcel number 051-120-2825-278-005

Legal descriptions for each lot are attached in Attachment A. A legal description for the entire brownfield is:

Block 7, Block 9 and Part of Block 8 of City Center Addition Number 3 to City of Wscanaba and part of the SE ¼ of the NE ¼ of Section 23, Township 39 N Range 23 W all being described as follows:

From the East ¼ corner of Section 25, Township 39 North Range 23 West, measure N 0° 39' E along the East line of said section a distance of 211.91 feet, thence measure N 89° 14' 40" W a distance of 50.0 feet to a point on the north right-of-way line of 1st Avenue Northand the West right-of-way line of State Highway 35, thence measure N 89° 58' W along said North right-of-way line a distance of 100,0 feet to the Point of Beginning of the land herein described. Thence continue N 89 ° 58' W along siad right-of-way line a distance of 550.48, thence north a distance of 361.0 feet, thence N 89 ° 58' W a distance os 229.8 feet, thence N 0 ° 05' 39" E a distance of 365.06 feet to the southerly right-of-way of 3rd Avenue North (formerly known as C.NW Railroad right-of-way), thence N 84 ° 50' E along said right-of-wayline a distance of 893.52 feet to the West right-of-way line of State Highway 35, thence s 0 ° 39' W along siad right of way a distance of 180.83 feet, thence S 84 ° 50'W a distance of 150.73 feet, thence S 0 ° 39' W a distance of 82.39 feet, thence S 89 ° 21" E a distance of 150.0 feet to said west right-of-way line, thence thence S 0 ° 39' W along siad right-of-way line a distance of 450.0 feet, thence N 89 ° 58' W a distance of 100 feet, thence S 0° 39' W a distance of 100.0 feet to the point of beginning.

1.2.2 Current Ownership

The Mall is owned by Dial Escanaba Mall 1 LP.

1.2.3 Proposed Future Ownership

No change of ownership is anticipated.

1.2.4 Delinquent Taxes, Interest, and Penalties

There are currently no delinquent taxes.

1.2.5 Existing and Proposed Future Zoning

The properties are currently zoned commercial. No change is anticipated

1.3 Current Use of Each Eligible Property

The Mall curently has some retail clients, although the former JC Penny building remains empty.

The former Menard's store is currently empty but is being prepared for a new tenant.

The northeast outlot is vacant but is being developed for a Starbucks franchise.

The east outlot is currently undeveloped. It will be developed as a suitable franchise is interested.

1.4 Site Conditions and Known Environmental Contamination Summary

Based on a Phase II Environmental Site Assessment completed in 2014 and presented in Attaachment 2, tetrachloroethleyene was found in ground water under the Delta Plaza property in excess of MDEQ General Cleanup Criteria. Based on anlytical results exceeding MDEQ action levels for concentrations in groundwater, the site meets the definition of a "facility" as defined in Part 201 of the State of Michigan Natural Resource and Environmental Protection Act of 1994.

2.0 SCOPE OF WORK AND COSTS

2.1 MDEQ Eligible Activities

MDEQ Eligible Activities include the preperation of a Phase I Environmental Site Assessment, a Phase II Environmental Site Assessment, a vapor intrusion study, a survey for asbestos containing material, and preparation of a Baseline Environmental Assessment and a Due Care Plan. The projected costs of vapor sampling and vapor mitigation are also included.

2.2 MSF Eligible Activities

Michigan State Fund (Non-DEQ) elibile activities on site will include the demolition of various building components, the abatement of asbestos containing materials, and various infrastructure improvements and site preparation activities listed below.

2.2.1 Demolition

Demolition of various portions of the buildings will be required during the redevelopment process. This will include floors, flooring, interior walls, ceilings, roofs, facades, and parking lots.

2.2.2 Asbestos Abatement

The asbestos containing floor tile and mastic are being removed from the former Menard's Building. Asbestos abatement will also be required in the former J. C. Penny building.

2.2.3 Infrastructure Improvements

Various utilities will need to be relocated as part of the property development. Also, a new manhole will be installed.

2.2.4 Site Preparation

Site grading will occur as the outlots are developed and the parking lot improved. Paving of the parking lots and sidewalks is also included

2.2.5 Interest

No interest charges are included in this Plan, per City of Escanaba Brownfield Redevelopment Authority policy

2.2.7 Assistance to a Land Bank Fast Track Authority

No Land Bank Authority is involved.

2.2.8 Relocation of Public Buildings or Operations –

No public buildings or operations had to be relocated

2.2.9 Brownfield Plan Preparation

The costs for preparing this Brownfield Plan are an eligible cost and are included.

2.2.10 Combined Brownfield Plan Implementation–

2.3 Eligible Activities Costs and Schedule

DEQ Eligible Activities Costs and Schedule		
DEQ Eligible Activities	Cost	Completion Season/Year
Department Specific Activities		
Phase I ESA	1,800	
Phase II ESA	20,000	
Baseline Environmental Assessment	2,100	
Asbestos Survey	7,950	
Soil Gas Quality Testing	40,000	
Soil Gas Remediation, if required	100,000	
Due Care Plan	1,600	
DEQ Eligible Activities Sub-Total	173,450	
Contingency (15 %)	26,468	
Interest (Indicate %)	0.00	
Combined Brownfield Plan Preparation	3,000	
Combined Brownfield Plan Implementation		
DEQ Eligible Activities Total Costs	202,918	

MSF Eligible Activities Costs and Schedule		
MSF Eligible Activities	Cost	Completion Season/Year
Demolition Sub-Total		
J C Penny Building Demolition	275,000	
Menard's Demolition	100,000	
Lead, Asbestos, Mold Abatement Sub-Total		
Asbestos Abatement – Menard's	175,900	
Asbestos Abatement J. C. Penny	250,000	
Infrastructure Improvements Sub-Total		
J C Penny – relocate utilities	85,000	
New Manhole	7,700	
Site Preparation Sub-Total		
Site Grading with erosion control	40,000	
Concrete Parking Lot	100,000	
Asphalt Parking Lot	100,000	
MSF Eligible Activities Sub-Total	1,183,600	
Contingency (15 %)	177,540	
Interest (Indicate %)		
Combined Brownfield Plan Preparation		
Combined Brownfield Plan Implementation		
MSF Eligible Activities Total Costs	1,361,140	

The schedule of reimbursement is provided in Table 1.

3.0 TAX INCREMENT REVENUE ANALYSIS

3.1 Captured Taxable Value and Tax Increment Revenues Estimates

As shown on Table 1, non-school taxes will be captured over a period up to the 30 years allowed to reimburse eligible costs. The current taxable value of the four properties is $1,242,367. This amount is expected to increase with the development of the out lots and also at about 3% per year.

3.2 Tax Increment Revenues Capture Period

The Mall will be placed in an Obsolete Property Rehabilitation Act (OPRA) district for 12 years. Tax capture for the Mall will resume in the 12th year and continue until full reimbursement is made or until the 35th year, whichever comes first. Tax capture for the remaining properties will not be effected by the OPRA district.

4.0 RELOCATION

4.1 Current Residents and Displacement

There are no current residents who will be displaced

4.2 Displaced Persons Relocation Plan

Not required

4.3 Relocation Costs Provisions

Not required

4.4 Compliance with Michigan's Relocation Assistance Law

Not required

Figure 1

Property Location Map

NOT TO SCALE

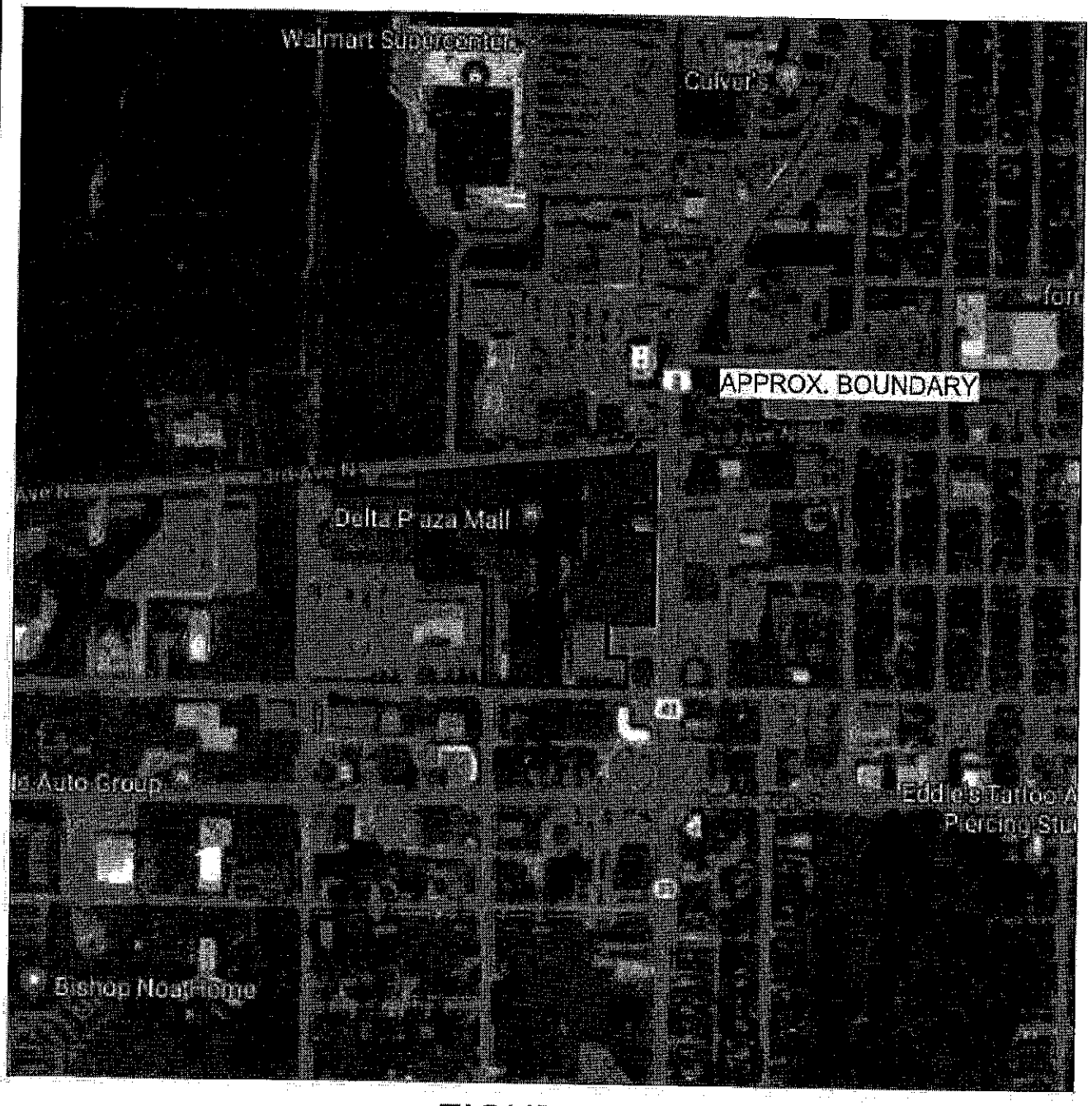


FIGURE 1

MOUNTAIN ENGINEERING, INC.

329 Doraland Street
Kingsford, Michigan 49802
Phone: (906) 779-5762
Fax: (906) 779-5789

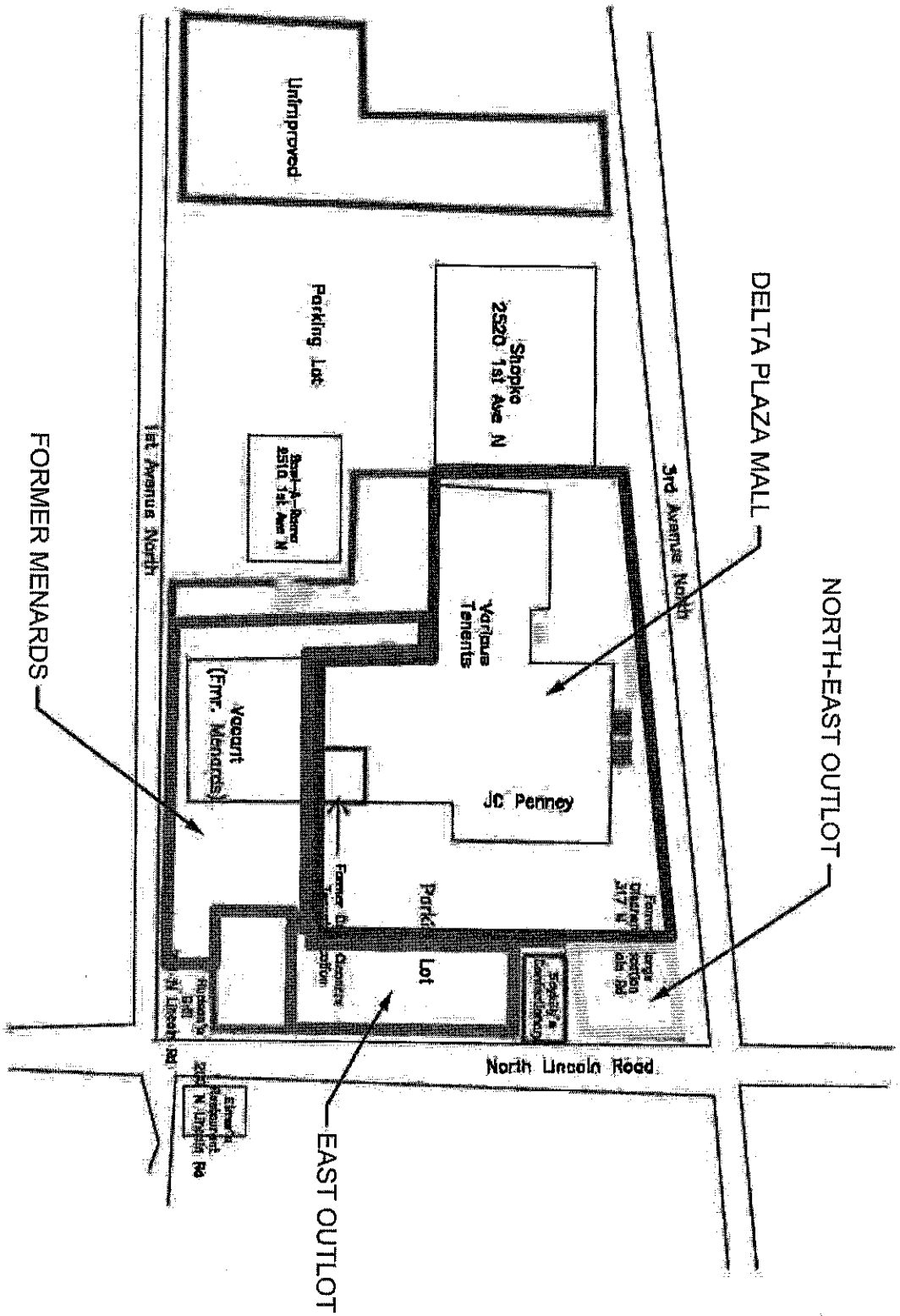
221 University Avenue, Suite 103
Williston, North Dakota 58801
Phone: (701) 609-5760
Email: mtneng@charternet.net

DELTA PLAZA MALL
BROWNFIELD PLAN
301 NORTH LINCOLN ROAD
ESCANABA, MICHIGAN

DATE: 09/06/2018	JOB NO: 180906	PROPERTY LOCATION AERIAL	PAGE 1 OF 1

Figure 2

Eligible Property Map(s)



DRAWING:	180906
DRAWN BY:	JS
REVIEWED BY:	CJM
DATE:	09/06/2018
SHEET SCALE:	N.T.S.
SHEET NO.:	1

DELTA PLAZA MALL
VAPOR INTRUSION SAMPLING
ESCANABA, MICHIGAN
PROPERTY MAP DETAIL

MOUNTAIN ENGINEERING, INC.
329 Dorsland Street
Kingsford, Michigan 49802
Phone: (906) 779-5760
Fax: (906) 779-5969
221 University Avenue, Suite 103
Williston, North Dakota 58801
Phone: (701) 609-5760
Email: mtneng@mountainengineering.net

Table 1

TIF Table (Tax Capture/Reimbursment Schedule)

Act 381 Work Plan
Delta Plaza Mall
Escanaba, Michigan

		Base Year	Year 1	2	3	4	5	6	7	
Real Property		Taxable Value $1,242,637	$1,442,637	$1,454,637	$1,469,665	$1,484,784	$1,499,906	$1,515,028	$1,530,149	
Capturable Taxable Value		$1,242,637	$200,000	$212,000	$227,028	$242,147	$257,269	$272,391	$287,513	
Taxing Jurisdiction	mills levied				Taxes Paid on New Property Value					
County	5.03170	Captured	$ 1,006	$ 1,067	$ 1,142	$ 1,218	$ 1,295	$ 1,371	$ 1,447	$
College	3.30760	Captured	$ 662	$ 701	$ 751	$ 801	$ 851	$ 901	$ 951	$
City Op	17.00000	Captured	$ 3,400	$ 3,604	$ 3,859	$ 4,117	$ 4,374	$ 4,631	$ 4,888	$
Recycling	0.30000	Captured	$ 60	$ 64	$ 68	$ 73	$ 77	$ 82	$ 86	$
Sheriff	1.75175	Captured	$ 350	$ 371	$ 398	$ 424	$ 451	$ 477	$ 504	$
Comm Act	0.60000	Captured	$ 120	$ 127	$ 136	$ 145	$ 154	$ 163	$ 173	$
DATA	0.60000	Captured	$ 120	$ 127	$ 136	$ 145	$ 154	$ 163	$ 173	$
Central Dispatch	0.20000	Captured	$ 40	$ 42	$ 45	$ 48	$ 51	$ 54	$ 58	$
School Operating		Not Captured								
State Education Tax		Not Captured								
ISD		Not Captured								
Downtown Development		Not Captured								
Total Captured	28.79105		$ 5,758	$ 6,104	$ 6,536	$ 6,972	$ 7,407	$ 7,842	$ 8,278	$
Expenses Remaining		$1,564,058	$1,558,299	$1,552,196	$1,545,659	$1,538,688	$1,531,280	$1,523,438	$1,515,160	
Expenses Paid			$5,758	$6,104	$6,536	$6,972	$7,407	$7,842	$8,278	
Annual Debt Recovery										
Tax capture by CEBRA			$0	$0	$0	$0	$0	$0	$0	

Eligible Environmental Expenses $1,564,058

		14	15	16	17	18	19	20	21	22	23
Real Property		$2,065,160	$2,127,115	$2,190,929	$2,256,657	$2,324,356	$2,394,087	$2,465,910	$2,539,887	$2,616,084	$2,694,5
Capturable Taxable Value		$822,524	$884,479	$948,292	$1,014,020	$1,081,720	$1,151,450	$1,223,273	$1,297,250	$1,373,447	$1,451,9
Taxing Jurisdiction	mills levied										
County	5.03170	$ 4,139	$ 4,450	$ 4,772	$ 5,102	$ 5,443	$ 5,794	$ 6,155	$ 6,527	$ 6,911	$ 7,30
College	3.30760	$ 2,721	$ 2,926	$ 3,137	$ 3,354	$ 3,578	$ 3,809	$ 4,046	$ 4,291	$ 4,543	$ 4,80
City Op	17.00000	$ 13,983	$ 15,036	$ 16,121	$ 17,238	$ 18,389	$ 19,575	$ 20,796	$ 22,053	$ 23,349	$ 24,68
Recycling	0.30000	$ 247	$ 265	$ 284	$ 304	$ 325	$ 345	$ 367	$ 389	$ 412	$ 43
Sheriff	1.75175	$ 1,441	$ 1,549	$ 1,661	$ 1,776	$ 1,895	$ 2,017	$ 2,143	$ 2,272	$ 2,406	$ 2,54
Comm Act	0.60000	$ 494	$ 531	$ 569	$ 608	$ 649	$ 691	$ 734	$ 778	$ 824	$ 87
DATA	0.60000	$ 494	$ 531	$ 569	$ 608	$ 649	$ 691	$ 734	$ 778	$ 824	$ 87
Central Dispatch	0.20000	$ 165	$ 177	$ 190	$ 203	$ 216	$ 230	$ 245	$ 259	$ 275	$ 29
School Operating											
State Education Tax											
ISD											
Downtown Development											
Total Captured	28.79105	$ 23,681	$ 25,465	$ 27,302	$ 29,195	$ 31,144	$ 33,151	$ 35,219	$ 37,349	$ 39,543	$ 41,80
Expenses Remaining		$1,432,669	$1,407,204	$1,379,902	$1,350,707	$1,319,563	$1,286,412	$1,251,193	$1,213,843	$1,174,300	$1,132,4
Expenses Paid		$23,681	$25,465	$27,302	$29,195	$31,144	$33,151	$35,219	$37,349	$39,543	$41,8
Annual Debt Recovery											
Tax capture by CEBRA		$0	$0	$0	$0	$0	$0	$0	$0	$0	

Eligible Environmental Expenses

APPENDIX A

Legal Descriptions

DELTA PLAZA

SEC 25 T39N R23W [5.7 AC] PRT OF BLKS 7, 8 & 9 OF THE CITY CENTER ADDITION NO. 3 & PRT OF SE1/4 OF NE1/4 BEG 502.33 FT N & 200 FT W OF E1/4 COR OF SEC 25 TH N 89D 58M W 420.89 FT, TH N 0D 05M 39S E 100.5 FT, TH N 89D 58M W 82.5 FT, TH S 0D 05M 39S W 14.5 FT, TH N 89D 58M W 1.22 FT, TH N 89D 58M W 229.8 FT, TH N 0D 05M 39S E 366.06 FT TO S ROW OF 3RD AVE N, TH N 84D 51M 12S E 740.89 FT ALG ROW, TH S 0D 39M W 503.28 FT TO POB. 5.76 ACRES. (DESC CHANGED FOR 2017 AFTER SPLITS BY KD)

FORMER MENARD'S

BEG 211.81 FT N & 150 FT W OF E 1/4 COR OF SEC 25 T39N R23W TH N 89D 58M W ALG 1ST AVE N ROW 550.48 FT, TH N ALG W ROW OF VAC N 25TH ST 376.5 FT TO BLDG FACE, TH S 89D 58M E 1.22 FT, TH N 0D 05M 39S E 14.5 FT, TH S 89D 58M E 82.5 FT, TH S 0D 05M 39S W, ALL BEING ALG BLDG FACE 100.5 FT TO BLDG COR, TH S 89D 58M E 420.89 FT, TH S 0D 44M 05S W 67.52 FT, TH W 42', TH S 123' TH S 89D 58M E 92 FT, TH S 0D 39M W 100 FT TO POB. 3.54 ACRES. 2400 1ST AVENUE NORTH. SPLIT FROM 051-120-2825-278-001 FOR 2017 (123' X 42 SPLIT OFF TO 2825- 278-007 FOR 2018)

NORTHEAST OUT LOT

BEG 844.2 FT N & 200 FT W OF E 1/4 COR OF SEC 25 T39N R 23 W TO POB, TH N 0D 39M E 160.83 FT TO S ROW OF 3RD AVE N, TH N 84D 50M E ALG ROW 150.73 FT TO W ROW OF N LINCOLN ROAD, TH S 0D 39M W 160.83 FT ALG ROW, TH S 84D 50M W 150.73 FT TO POB. .55 ACRE

EAST OUT LOT

BEG 434.81 FT N & 50 FT W OF E 1/4 COR OF SEC 25 T39N R23W TO POB, TH N 89D 58M W 150 FT, TH N 0D 44M 05S E 328.61 FT, TH S 89D 21M E 150 FT TO W ROW OF N LINCOLN ROAD, TH S 0D 44M 05S W ALG ROW 327 FT TO POB. 1.12 ACRES. S 123' SPLIT OFF TO 278-007 FOR 2018.

Legal descriptions are from City Property information

APPENDIX B

PHASE II ENVIRONMENTAL SITE ASSESSMENT

LIMITED PHASE II SUBSURFACE INVESTIGATION

FORMER CLEANERS – DELTA SQUARE
301 NORTH LINCOLN ROAD
ESCANABA, MICHIGAN 49829

NOVA PROJECT NO. W14-0447

REPORT DATE: JULY 7, 2014

NOVA CONSULTING

Leaders in Environmental and Engineering Services

LIMITED PHASE II SUBSURFACE INVESTIGATION

FORMER CLEANERS – DELTA SQUARE
301 NORTH LINCOLN ROAD
ESCANABA, MICHIGAN 49829

NOVA PROJECT NO. W14-0447

REPORT DATE: JULY 7, 2014

PREPARED FOR:

ESCANABA DELTA MALL LLC
C/O DOUGHERTY FUNDING LLC
90 SOUTH SEVENTH STREET, SUITE 4300
MINNEAPOLIS, MINNESOTA 55402

PREPARED BY:

NOVA CONSULTING GROUP, INC.
1107 HAZELTINE BOULEVARD, SUITE 400
CHASKA, MN 55318
TEL: 952-448-9393

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FIGURES

APPENDICES

1.0 INTRODUCTION

1.1 Authorization

In accordance with the written authorization received from Escanaba Delta Mall, LLC, Nova Consulting Group, Inc. (Nova) has conducted a Limited Phase II Subsurface Investigation at the former dry cleaners, located 301 Lincoln Road North, Escanaba, Michigan ("the Site"). A Site Topographic Map is attached as Figure 1 and a Site Location Map is attached as Figure 2.

1.2 Background

A Phase I Environmental Site dated February 12, 2014 identified the following environmental concern in connection with the Site:

- Volatile organic compounds (VOCs) were detected at concentrations exceeding the residential groundwater cleanup objectives in borings advanced in the southeast corner of the Property's main parcel during a subsurface investigation performed in 1998. These results were reported to the Michigan Department of Environmental Quality (MDEQ) in a baseline environmental assessment (BEA) by the former owners of the Property. The extent of the identified groundwater impacts was not determined. Potential sources of the VOCs were opined to have included former dry cleaning establishments that operated at the Property and on an outlot parcel northeast of the Property. As the potential sources of the identified impacts are no longer in operation and the Property is served by municipal water services, the previously identified impacts are not expected to impact continued use of the Property. Additionally, as these facilities are no longer in operation and no significant hazardous material usage was identified as part of current operations; ongoing natural attenuation of the identified groundwater impacts appears likely.

Nova's Phase I ESA recommended the following:

- Nova recommends completion of additional sampling at the Property to determine the magnitude and extent of previously identified groundwater impacts at the Property. If the impacts remain at a level that classifies the Property a "facility" according to State of Michigan statutes, a BEA should also be performed for the Property.

1.3 Objective

The objective of this Limited Phase II Subsurface Investigation was to evaluate the subsurface soils and groundwater (if encountered) at the Site for the presence of environmental impacts associated with the historic use of portions of the property and an eastern adjacent property as a dry cleaner.

1.4 Scope of Services

As part of this Limited Phase II Subsurface Investigation, Nova completed the following scope of services:

- Clearance of all public underground utilities prior to initiating any subsurface investigation activities;
- Advancement of six (6) Geoprobe® push probe soil borings (GP-1 through GP-6) near the front and rear doors of the former dry cleaner tenant space and one near the east property line bordering the former dry cleaner located to the east of the Site building to assess the potential for subsurface impacts as a result of historic use of the Site as a dry cleaner;
- Conversion of the six (6) exterior push probe borings (GP-1 through GP-6) into temporary monitoring wells;
- Field screening of soil samples collected from all of the borings/wells for organic vapors with a photoionization detector (PID) using the bag-headspace method of field analysis, and documented any indications of unusual odors or staining;
- Collection and submittal of soil samples for laboratory chemical analysis of volatile organic compounds (VOCs) via Environmental Protection Agency (EPA) method 8260;
- Collection and submittal of groundwater samples from the temporary monitoring wells installed at GP-1 through GP-6 for laboratory chemical analysis of VOCs;
- Abandonment of all of the soil borings and temporary monitoring wells in accordance with Michigan Department of Environmental Quality (MDEQ) requirements; and,
- Preparation of this Limited Phase II Subsurface Investigation Report detailing the investigation methods and procedures, summarizing all of the field and analytical results to date, and providing appropriate conclusions and recommendations.

2.0 METHODS AND PROCEDURES

2.1 Soil Boring Sampling Locations

Nova advanced six soil borings at the Site on June 10, 2014. A summary of the sampling and well locations and their rationale for placement is provided in the following Table 1. A Soil Boring Location Map is attached as Figure 3. Photographs of the soil borings locations are included in Appendix A.

TABLE 1
SOIL BORING LOCATIONS AND AREAS OF CONCERN

Soil Boring/Well ID	Location/Area of Concern/Rationale for Placement	Laboratory Analytical Parameters
GP-1 / GP-2	Front of the former onsite cleaners space	Soil/Groundwater-VOCs
GP-3	Eastern property boundary near former offsite former cleaners	Soil/Groundwater-VOCs
GP-4, GP-5, GP-6	Rear of the former onsite cleaners space	Soil/Groundwater-VOCs

2.2 Soil Boring and Temporary Monitoring Well Installation Procedures

Soil borings GP-1 through GP-6 were completed using a truck-mounted Geoprobe® Model 5400 Hydraulic push probe. A Geoprobe® Macro-Core 5 sampler was used to collect the soil samples from the borings at continuous four-foot intervals to a depth of up to twelve (12) feet below land surface (bls). The Macro-Core sampler consists of a 2.25-inch outside diameter, 48-inch long nickel-plated alloy-steel sampling tube with an inserted Polyethylene Terephthalate Glycol (PETG) liner that is continuously filled with soil as it is pushed and/or hammered to the desired sampling depth. The liners were removed from the sampler after each sampling interval and a new liner was inserted into the sampler for the next sampling interval. The sampling equipment was cleaned with an alconox wash and clean water rinse prior to each soil boring.

Upon completion of GP-1 through GP-6 temporary groundwater monitoring wells were installed in the boreholes. The temporary wells were constructed using a 3/4-inch diameter, five-foot long 0.010-inch slot PVC screen threaded to a 3/4-inch diameter PVC riser. The well screen was installed to the bottom of the boreholes. Prior to collecting the groundwater samples, a water level was collected and then the sampling points were developed, where recharge allowed, with a low flow peristaltic pump until a significant reduction in the amount of suspended solids was observed in the discharge. The groundwater samples were collected using dedicated polyethylene tubing.

2.3 Field Screening

An environmental geologist recorded a physical description of the soils encountered at each boring location on a field-boring log. Visual classification of soil was based on American Society of Testing and Materials methods 2487 and 2488, Soil Conservation Service, and American/Canadian Stratigraphic standards. The soil sample descriptions

included type, color, grain size, texture, and moisture. The descriptions were recorded on soil boring logs.

In addition to recording the physical description of the soils encountered at each boring location on a field-boring log, the on-site Nova geologist screened the soil samples for indications of environmental impacts. Each of the soil samples retrieved from the borehole was screened for organic vapors using a Mini Rae 3000 PID. The PID was equipped with a 10.6 eV lamp and was calibrated to an isobutylene standard prior to being used at the Site. The soil samples were screened utilizing the headspace field analysis technique. Physical evidence of any unusual odors or staining was also recorded on the field log.

The headspace technique consists of half-filling a quart sized zip-lock bag with a soil sample and quickly sealing the bag. Headspace development proceeds for at least 10 minutes but is completed within 20 minutes. The bag is shaken vigorously for 15 seconds, at both the beginning and the end of the headspace development period. After headspace development, the bag is opened slightly and the PID probe is inserted to one-half the headspace depth. The highest reading observed on the PID was then recorded.

2.4 Laboratory Chemical Analyses

One (1) soil sample and/or one (1) groundwater sample was collected from each of the soil borings and temporary monitoring wells completed at the Site, and submitted for laboratory analysis of VOCs. The soil samples were collected from sampling intervals corresponding to depths that would be most likely to be impacted based on the boring rationale, or from depth intervals that exhibited the most significant field evidence of impacts (i.e. odors, staining or elevated concentrations of organic vapors as measured with a PID).

The soil and groundwater samples were placed in laboratory-supplied containers, stored under refrigerated conditions in the field and during transport to Test America, Inc. in Cedar Rapids, Iowa and under chain of custody protocol. All of the requested analyses were performed by Test America, Inc., in accordance with current MDEQ certifications.

3.0 RESULTS

3.1 Geology and Site Conditions

In general, the soil encountered beneath the Site consisted of fine to medium grained sand. Groundwater was encountered in the borings at depths ranging from approximately 6.5 feet bls to 7.5 feet bls. No bedrock was encountered in any of the borings advanced at the Site. The soil boring logs with complete soil classifications and water level information are included in Appendix B.

3.2 Field Screening

Field screening of the soil samples collected from GP-1 through GP-6 did not detect elevated concentrations of organic vapors when screened with a PID. Furthermore, no unusual odors or significant staining was detected in the soil samples collected from soil borings. The complete organic vapor screening results are included on the soil boring logs attached in Appendix B.

3.3 Chemical Analyses

Chemical analysis of the soil samples collected from GP-1 through GP-6 and the groundwater samples collected from GP-3 and GP-6 did not detect any VOCs at concentrations greater than or equal to the laboratory method detection limits (MDLs). However, as shown below in Table 2, chemical analysis of the groundwater samples collected from GP-1, GP-2, GP-4 and GP-5 detected the common dry cleaning chemical tetrachloroethene. Additionally trichloroethene was detected in the groundwater sample collected from GP-1. The concentrations of tetrachloroethene detected at GP-1 and GP-2 exceed the MDEQ Part 201 Residential and Non-Residential Generic Cleanup Criteria.

The complete laboratory analytical report is attached as Appendix C.

TABLE 2
GROUNDWATER CHEMICAL ANALYSIS RESULTS (RESULTS IN UG/L)

Compound	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	Cleanup Criteria*
Tetrachloroethene	**96.1**	**48.6**	<1.0	2.03	2.96	<1.0	5
Trichloroethene	1.77	<1.0	<1.0	<1.0	<1.0	<1.0	5

Notes:
ug/l = Micrograms-per-liter or parts per billion.
< = Not detected above method reporting limits
* MDEQ Part 201 Generic Cleanup Criteria – Groundwater: Residential and Non-Residential
Concentrations in **bold** exceed the stated **action level.**

4.0 CONCLUSIONS AND RECOMMENDATIONS

The objective of this Phase II ESA was to evaluate the shallow soil and groundwater at the Site to determine the current levels of the contamination on the Site and determine if it is still a "facility" as defined Part 201 of Act 451, as amended. The facility designation is defined by the presence of hazardous substances in soil and groundwater at a concentration that exceeds the applicable Part 201 GRCC. If the Site is determined to still be a "facility", Nova will prepare and submit a BEA to the MDEQ in order to obtain liability protection for known on-site contamination in accordance with Part 201 of the NREPA Act, 1994 PA 451, as amended.

In general, the Site subsurface (beneath the asphaltic cover) contained Class V gravel underlain by fine to medium grained sand to the termination depth of the borings (up to 12 feet bg). Groundwater levels were measured in the temporary monitoring wells at depths ranging from approximately 6.5 feet to 7.5 feet bls.

Field screening of the soil samples collected from the test borings GP-1 through GP-6 did not detect elevated concentrations of organic vapors when screened with a PID. In addition, no unusual odors or staining was observed in the soil samples collected from GP-1 through GP-6.

Chemical analysis of the soil samples collected from GP-1 through GP-6 and the groundwater samples collected from GP-3 and GP-6 did not detect any VOCs at concentrations greater than or equal to the MDLs. Chemical analysis of the groundwater samples collected from GP-1, GP-2, GP-4 and GP-5 detected concentrations of tetrachloroethene. Additionally trichloroethene was detected in the groundwater sample collected from GP-1. The concentrations of tetrachloroethene detected at GP-1 and GP-2 exceed the MDEQ Residential and Non-Residential General Cleanup Criteria.

Based on the exceedance of the General Cleanup Criteria in the groundwater samples collected from GP-1 and GP-2, Nova is recommending a new BEA be prepared for this Site. Additional investigation would be necessary to fully define the extent of the tetrachloroethene concentrations identified in the groundwater at GP-1 and GP-2, and assess any potential impact to human or ecological receptors.

5.0 STANDARD OF CARE

The services performed by Nova on this project have been conducted with that level of care and skill ordinarily exercised by reputable members of the profession, practicing in the same locality, under similar budget and time constraints. No other warranty is expressed or intended.

This document was prepared exclusively for the use or benefit of those listed on the Title page of this report. Reliance or use by any other third party without explicit written authorization from Nova will be at the third party's own risk. No warranties or representations, expressed or implied, are made to any such third party.

Prepared By:

Eric Halpaus
Project Manager

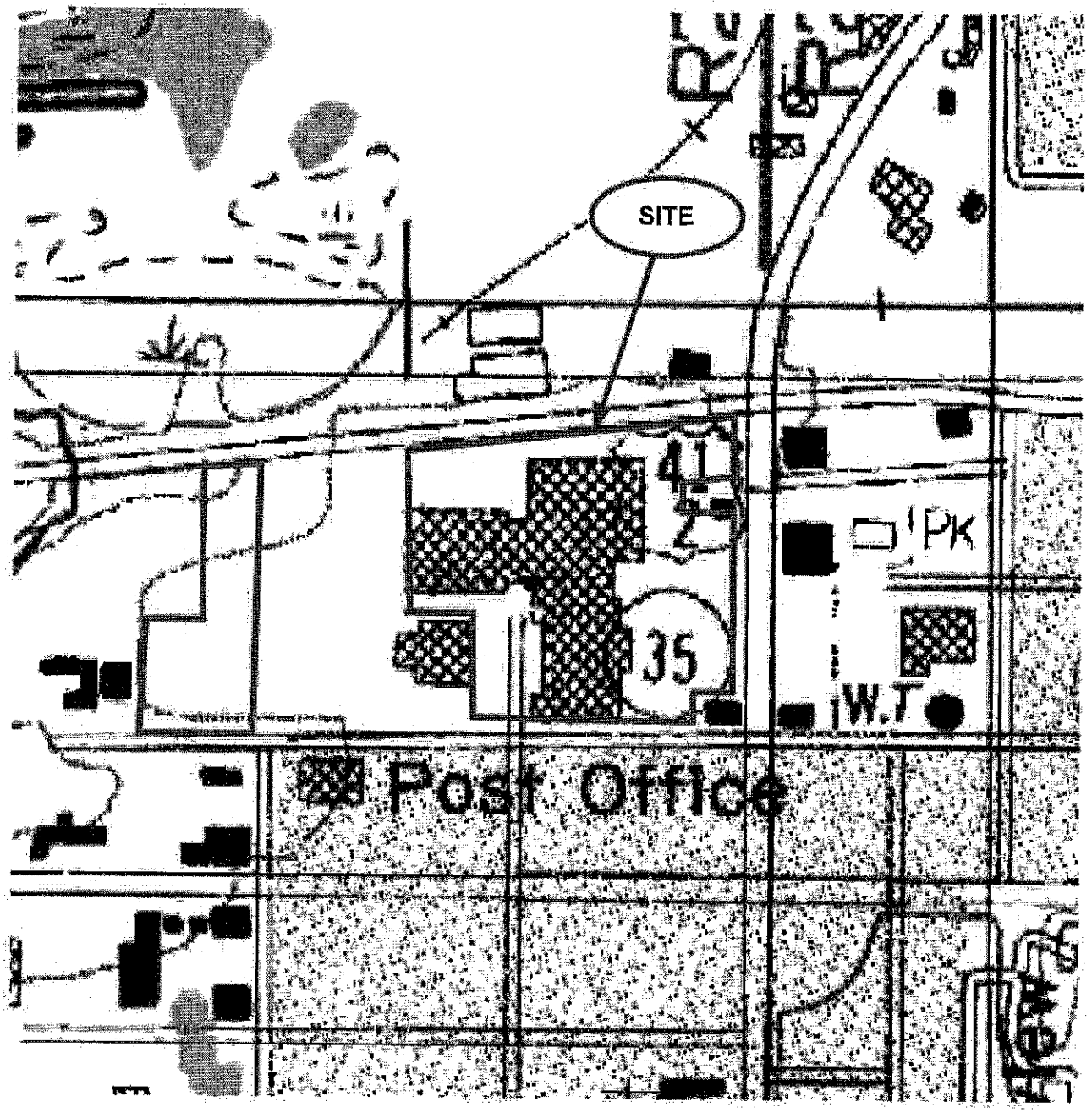
Reviewed By:

Michael D. Hayes
Phase II Leader / Hydrogeologist

Mark Perry
Vice President

FIGURE 1

SITE TOPOGRAPHIC MAP



N
W E
S

SITE TOPOGRAPHIC MAP
Delta Square
301 North Lincoln Rd
Escanaba, MI 49829 **NOVA PROJ. # W14-0447**

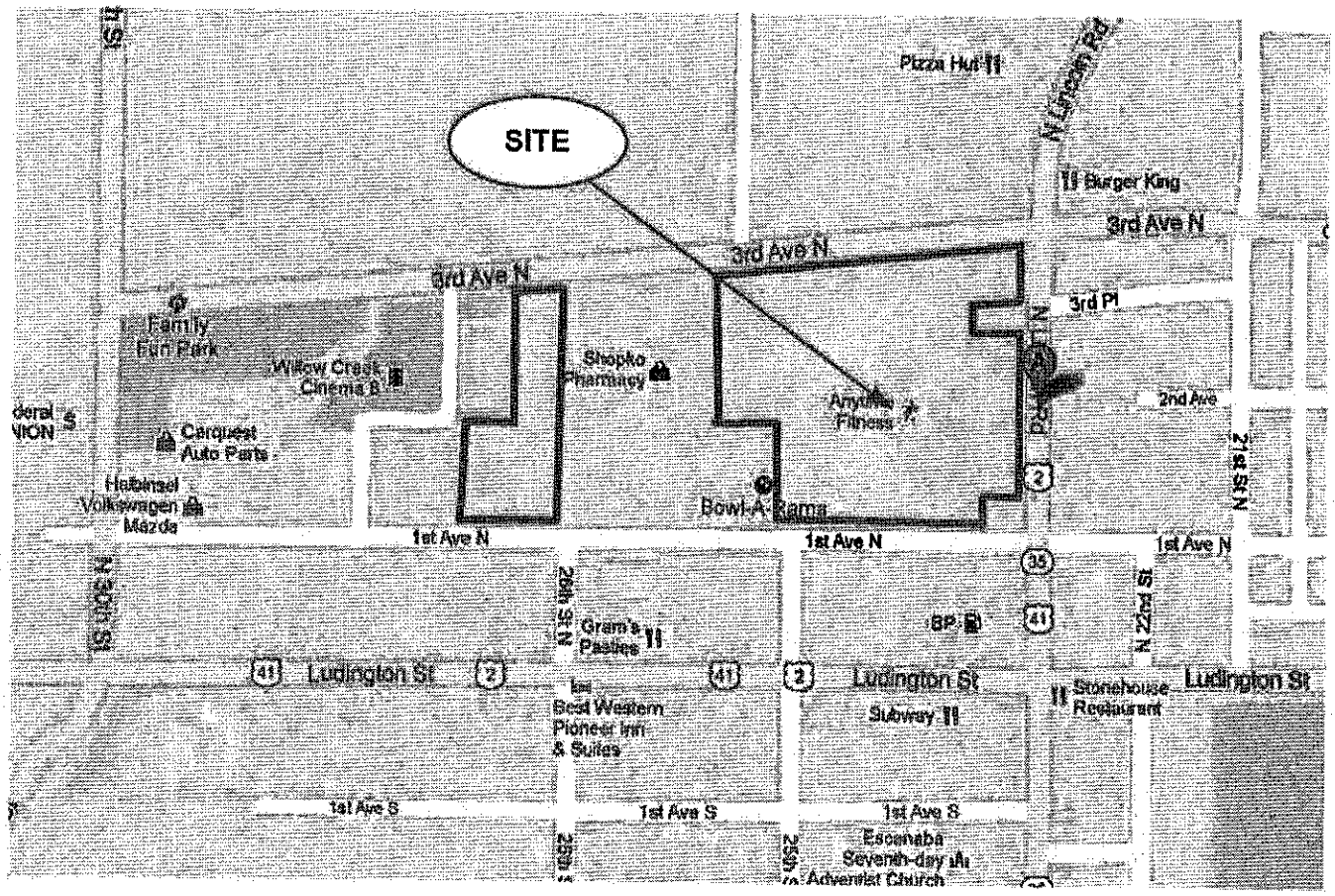
NOVA CONSULTING

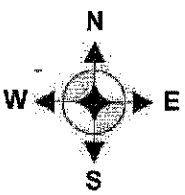
Source: USGS 7.5 Minute Topographic Map Escanaba, MI Quadrangle 1991

Scale: 1:48000

FIGURE 2

SITE LOCATION MAP





Scale: 1 Inch = 225 Feet

SITE LOCATION MAP
Delta Plaza
301 North Lincoln Road
Escanaba, Michigan

Nova Proj #: W14-0447

NOVA CONSULTING

July 2014

Figure 2

FIGURE 3

SOIL BORING LOCATION MAP

⊙ Soil Boring Location

Scale: 1 Inch = 225 Feet

SOIL BORING LOCATION MAP **Delta Plaza** **301 North Lincoln Road** **Escanaba, Michigan**	**Nova Proj #: W14-0447**	NOVA CONSULTING	July 2014 Figure 3

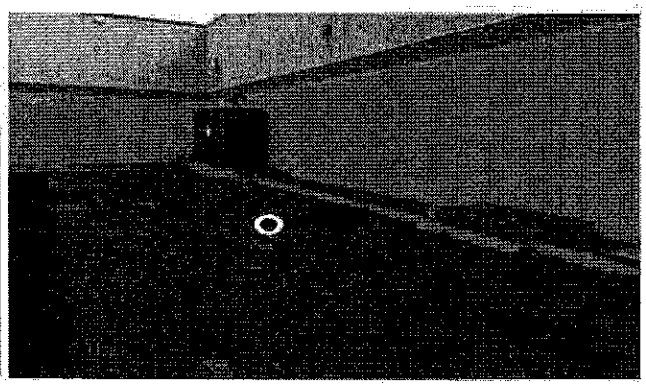
APPENDIX A

PHOTOGRAPHIC DOCUMENTATION

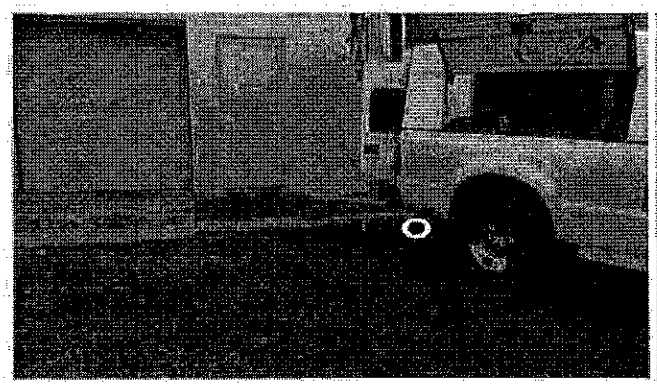
1. GP-1

2. GP-2

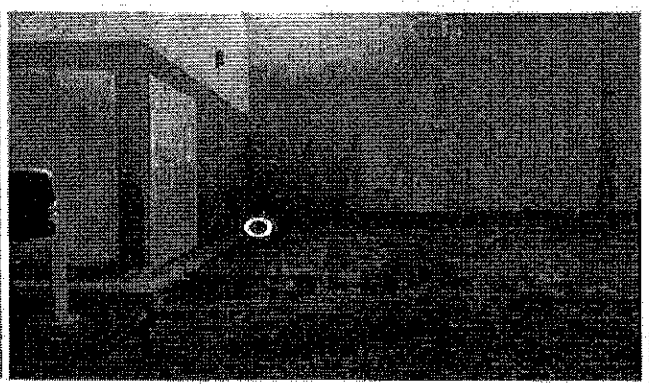
3. GP-3



4. GP-4



5. GP-5



6. GP-6

APPENDIX B

SOIL BORING/TEMPORARY WELL LOGS

LOG OF BORING GP-1

Former Dry Cleaners - Delta Square
301 North Lincoln Road
Escanaba, MI 49829

Limited Phase II Subsurface Investigation

Project # W14-0447

Date Started	: June 10, 2014	PID	: Mini Rae 3000
Drilling Company	: Nova Consulting Group	PID Lamp	: 10.6 eV
Hole Diameter	: 2.25 Inches	Temp Well Type	: .75 Inch PVC
Drilling Method	: Geoprobe 5400	Weather	: Sunny 60F.
Sampling Method	: Geoprobe Macro Core 5	Logged By	: EWH

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0			ASPH		ASPHALT		
			GRAV		Class V GRAVEL		
1					SAND, fine to medium grained, dark brown, moist.		
2				ND			
3			SP				
4				ND			
					SAND, fine to medium grained, brown, moist to wet.		
5							
6				ND			
7							
8	(7.5-8)		SP	ND			
9							
10				ND			
11							
				ND			
12					END OF BORING		

Well: GP-1

Riser

Screen

07-01-2014 C:\Users\ericha\paus\Desktop\ACTIVE PROJECTS\Escanaba\GP-1.bor

LOG OF BORING GP-2

Former Dry Cleaners - Delta Square
301 North Lincoln Road
Escanaba, MI 49829

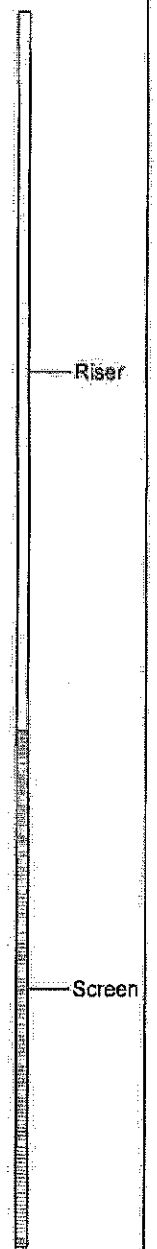
Limited Phase II Subsurface Investigation

Project # W14-0447

Date Started	June 10, 2014	PID	Mini Rae 3000
Drilling Company	Nova Consulting Group	PID Lamp	10.6 eV
Hole Diameter	2.25 Inches	Temp Well Type	.75 Inch PVC
Drilling Method	Geoprobe 5400	Weather	Sunny 60F.
Sampling Method	Geoprobe Macro Core 5	Logged By	EWH

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0			ASPH		ASPHALT		
			GRAV		Class V GRAVEL		
1					SAND, fine to medium grained, dark brown, moist.		
2				ND			
3			SP				
4				ND			
5					SAND, fine to medium grained, brown, moist to wet.		
6				ND			
7							
8	(7.5-8)		SP	ND			
9							
10				ND			
11							
				ND			
12					END OF BORING		

Well: GP-2



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LOG OF BORING GP-3

Former Dry Cleaners - Delta Square
301 North Lincoln Road
Escanaba, MI 49829

Limited Phase II Subsurface Investigation

Project # W14-0447

Date Started	: June 10, 2014	PID	: Mini Rae 3000
Drilling Company	: Nova Consulting Group	PID Lamp	: 10.6 eV
Hole Diameter	: 2.25 Inches	Temp Well Type	: .75 Inch PVC
Drilling Method	: Geoprobe 5400	Weather	: Sunny 60F.
Sampling Method	: Geoprobe Macro Core 5	Logged By	: EWH

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0			ASPH		ASPHALT		
			GRAV		Class V GRAVEL		
1					SAND, fine to medium grained, dark brown, moist.		
2				ND			
3			SP				
4				ND			
5							
6				ND	SAND, fine to medium grained, brown, moist to wet.		
7							
8	(6.5-7.5)			ND			
			SP				
9							
10				ND			
11					END OF BORING		

Well: GP-3

Riser

Screen

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LOG OF BORING GP-4

Former Dry Cleaners - Delta Square
301 North Lincoln Road
Escanaba, MI 49829

Limited Phase II Subsurface Investigation

Project # W14-0447

Date Started	: June 10, 2014	PID	: Mini Rae 3000
Drilling Company	: Nova Consulting Group	PID Lamp	: 10.6 eV
Hole Diameter	: 2.25 Inches	Temp Well Type	: .75 Inch PVC
Drilling Method	: Geoprobe 5400	Weather	: Sunny 60F.
Sampling Method	: Geoprobe Macro Core 5	Logged By	: EWH

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0			ASPH		ASPHALT		
			GRAV		Class V GRAVEL		
1					SAND, fine to medium grained, dark brown, moist.		
2				ND			
3			SP				
4				ND			
5							
6	(6-7)			ND	SAND, fine to medium grained, brown, moist to wet.		
7							
8			SP	ND			
9							
10				ND			
11					END OF BORING		

Well: GP-4

Riser

Screen

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LOG OF BORING GP-5

NOVA CONSULTING

Former Dry Cleaners - Delta Square
301 North Lincoln Road
Escanaba, MI 49829

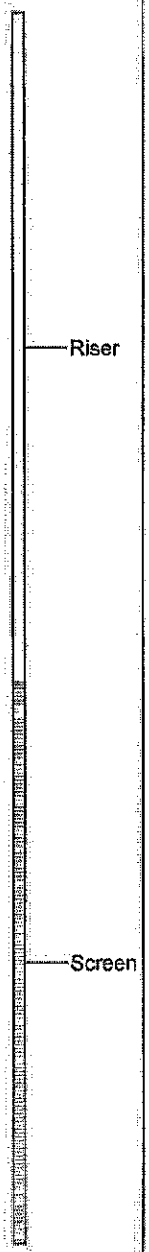
Limited Phase II Subsurface Investigation

Project # W14-0447

Date Started	: June 10, 2014	PID	: Mini Rae 3000
Drilling Company	: Nova Consulting Group	PID Lamp	: 10.6 eV
Hole Diameter	: 2.25 Inches	Temp Well Type	: .75 Inch PVC
Drilling Method	: Geoprobe 6400	Weather	: Sunny 60F.
Sampling Method	: Geoprobe Macro Core 5	Logged By	: EWH

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0			ASPH		ASPHALT		
			GRAV		Class V GRAVEL		
1			SP		SAND, fine to medium grained, brown, moist.		
2				ND			
					SAND, fine to medium grained, dark brown, moist.		
3			SP				
4				ND			
5					SAND, fine to medium grained, brown, moist to wet.		
6	(6-7)			ND			
7							
8			SP	ND			
9							
10				ND			
11					END OF BORING		

Well: GP-5



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LOG OF BORING GP-6

Former Dry Cleaners - Delta Square
301 North Lincoln Road
Escanaba, MI 49829

Limited Phase II Subsurface Investigation

Project # W14-0447

Date Started	: June 10, 2014	PID	: Mini Rae 3000
Drilling Company	: Nova Consulting Group	PID Lamp	: 10.6 eV
Hole Diameter	: 2.25 Inches	Temp Well Type	: .75 Inch PVC
Drilling Method	: Geoprobe 5400	Weather	: Sunny 60F.
Sampling Method	: Geoprobe Macro Core 5	Logged By	: EWH

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0			ASPH		ASPHALT		
			GRAV		Class V GRAVEL		
1					SAND, fine to medium grained, dark brown, moist.		
2				ND			
3			SP				
4				ND			
5							
6	(6-7)			ND	SAND, fine to medium grained, brown, moist to wet.		
7							
8				ND			
9			SP				
10				ND			
11					END OF BORING		

Well: GP-6

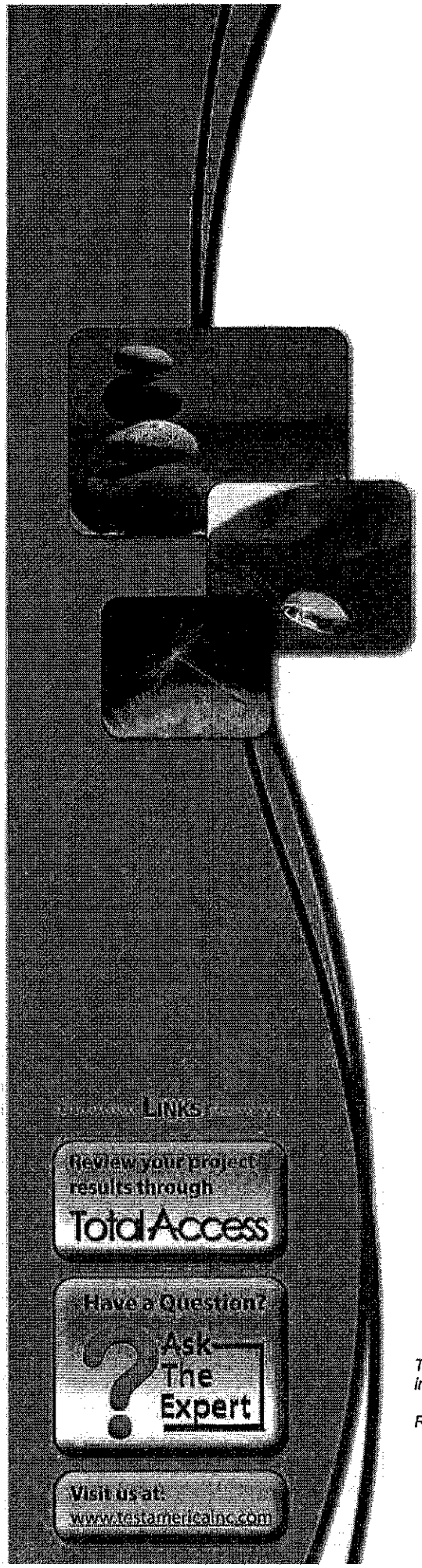
Riser

Screen

07-01-2014 C:\Users\erichalpaus\Desktop\ACTIVE PROJECTS\Escanaba\GP-6.bor

APPENDIX C

LABORATORY ANALYTICAL REPORT



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Cedar Falls
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319)277-2401

TestAmerica Job ID: 310-32823-1
TestAmerica Sample Delivery Group: W14-0447
Client Project/Site: Delta Plaza - Escanaba, MI

For:
Nova Consulting Group Inc
1107 Hazeltine Boulevard, #400
Chaska, Minnesota 55318

Attn: Eric Halpaus

Authorized for release by:
6/24/2014 2:12:21 PM

Derrick Klinkenberg, Project Manager I
(319)277-2401
derrick.klinkenberg@testamericainc.com

Table of Contents

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Job ID: 310-32823-1

Laboratory: TestAmerica Cedar Falls

Narrative

Job Narrative
310-32823-1

Comments
No additional comments.

Receipt
The samples were received on 6/13/2014 9:12 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.1° C.

GC/MS VOA
Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 51461 recovered above the upper control limit for Chloroethane(87.1%D) and Bromomethane(80.2%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 51461 recovered outside control limits for the following analytes: Chloroethane and Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-32823-1	GP-1	Ground Water	06/10/14 00:00	06/13/14 09:12
310-32823-2	GP-2	Ground Water	06/10/14 00:00	06/13/14 09:12
310-32823-3	GP-3	Ground Water	06/10/14 00:00	06/13/14 09:12
310-32823-4	GP-4	Ground Water	06/10/14 00:00	06/13/14 09:12
310-32823-5	GP-5	Ground Water	06/10/14 00:00	06/13/14 09:12
310-32823-6	GP-6	Ground Water	06/10/14 00:00	06/13/14 09:12
310-32823-7	GP-1 7.5-8	Soil	06/10/14 00:00	06/13/14 09:12
310-32823-8	GP-2 7.5-8	Soil	06/10/14 00:00	06/13/14 09:12
310-32823-9	GP-3 6.5-7.5	Soil	06/10/14 00:00	06/13/14 09:12
310-32823-10	GP-4 6-7	Soil	06/10/14 00:00	06/13/14 09:12
310-32823-11	GP-5 6-7	Soil	06/10/14 00:00	06/13/14 09:12
310-32823-12	GP-6 6-7	Soil	06/10/14 00:00	06/13/14 09:12
310-32823-13	Meth Blank	Soil	06/10/14 00:00	06/13/14 09:12
310-32823-14	HCL Blank	Water	06/10/14 00:00	06/13/14 09:12

Detection Summary

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-1 — Lab Sample ID: 310-32823-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	96.1		1.00		ug/L	1		8260B	Total/NA
Trichloroethene	1.77		1.00		ug/L	1		8260B	Total/NA

Client Sample ID: GP-2 — Lab Sample ID: 310-32823-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	48.6		1.00		ug/L	1		8260B	Total/NA

Client Sample ID: GP-3 — Lab Sample ID: 310-32823-3

No Detections.

Client Sample ID: GP-4 — Lab Sample ID: 310-32823-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.03		1.00		ug/L	1		8260B	Total/NA

Client Sample ID: GP-5 — Lab Sample ID: 310-32823-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.96		1.00		ug/L	1		8260B	Total/NA

Client Sample ID: GP-6 — Lab Sample ID: 310-32823-6

No Detections.

Client Sample ID: GP-1 7.5-8 — Lab Sample ID: 310-32823-7

No Detections.

Client Sample ID: GP-2 7.5-8 — Lab Sample ID: 310-32823-8

No Detections.

Client Sample ID: GP-3 6.5-7.5 — Lab Sample ID: 310-32823-9

No Detections.

Client Sample ID: GP-4 6-7 — Lab Sample ID: 310-32823-10

No Detections.

Client Sample ID: GP-5 6-7 — Lab Sample ID: 310-32823-11

No Detections.

Client Sample ID: GP-6 6-7 — Lab Sample ID: 310-32823-12

No Detections.

Client Sample ID: Meth Blank — Lab Sample ID: 310-32823-13

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: HCL Blank — **Lab Sample ID: 310-32823-14**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: GP-1
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-1
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0		ug/L			06/21/14 01:17	1
Benzene	<0.500		0.500		ug/L			06/21/14 01:17	1
Bromobenzene	<1.00		1.00		ug/L			06/21/14 01:17	1
Bromochloromethane	<5.00		5.00		ug/L			06/21/14 01:17	1
Bromoform	<5.00		5.00		ug/L			06/21/14 01:17	1
Bromomethane	<4.00		4.00		ug/L			06/21/14 01:17	1
2-Butanone (MEK)	<10.0		10.0		ug/L			06/21/14 01:17	1
n-Butylbenzene	<1.00		1.00		ug/L			06/21/14 01:17	1
sec-Butylbenzene	<1.00		1.00		ug/L			06/21/14 01:17	1
tert-Butylbenzene	<1.00		1.00		ug/L			06/21/14 01:17	1
Carbon disulfide	<1.00		1.00		ug/L			06/21/14 01:17	1
Carbon tetrachloride	<2.00		2.00		ug/L			06/21/14 01:17	1
Chlorobenzene	<1.00		1.00		ug/L			06/21/14 01:17	1
Chlorodibromomethane	<5.00		5.00		ug/L			06/21/14 01:17	1
Chloroethane	<4.00		4.00		ug/L			06/21/14 01:17	1
Chloroform	<1.00		1.00		ug/L			06/21/14 01:17	1
Chloromethane	<3.00		3.00		ug/L			06/21/14 01:17	1
2-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 01:17	1
4-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 01:17	1
1,2-Dibromo-3-Chloropropane	<10.0		10.0		ug/L			06/21/14 01:17	1
1,2-Dibromoethane (EDB)	<10.0		10.0		ug/L			06/21/14 01:17	1
Dibromomethane	<1.00		1.00		ug/L			06/21/14 01:17	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 01:17	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 01:17	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 01:17	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			06/21/14 01:17	1
1,1-Dichloroethane	<1.00		1.00		ug/L			06/21/14 01:17	1
1,2-Dichloroethane	<1.00		1.00		ug/L			06/21/14 01:17	1
1,1-Dichloroethene	<2.00		2.00		ug/L			06/21/14 01:17	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 01:17	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 01:17	1
1,2-Dichloropropane	<1.00		1.00		ug/L			06/21/14 01:17	1
1,3-Dichloropropane	<1.00		1.00		ug/L			06/21/14 01:17	1
2,2-Dichloropropane	<4.00		4.00		ug/L			06/21/14 01:17	1
1,1-Dichloropropene	<1.00		1.00		ug/L			06/21/14 01:17	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 01:17	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 01:17	1
Ethylbenzene	<1.00		1.00		ug/L			06/21/14 01:17	1
Hexachlorobutadiene	<5.00		5.00		ug/L			06/21/14 01:17	1
Hexane	<1.00		1.00		ug/L			06/21/14 01:17	1
Isopropylbenzene	<1.00		1.00		ug/L			06/21/14 01:17	1
p-Isopropyltoluene	<1.00		1.00		ug/L			06/21/14 01:17	1
Methylene Chloride	<5.00		5.00		ug/L			06/21/14 01:17	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			06/21/14 01:17	1
Naphthalene	<5.00		5.00		ug/L			06/21/14 01:17	1
N-Propylbenzene	<1.00		1.00		ug/L			06/21/14 01:17	1
Styrene	<1.00		1.00		ug/L			06/21/14 01:17	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 01:17	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 01:17	1

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-1
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-1
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**96.1**		1.00		ug/L			06/21/14 01:17	1
Toluene	<1.00		1.00		ug/L			06/21/14 01:17	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 01:17	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 01:17	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			06/21/14 01:17	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			06/21/14 01:17	1
Trichloroethene	**1.77**		1.00		ug/L			06/21/14 01:17	1
Trichlorofluoromethane	<4.00		4.00		ug/L			06/21/14 01:17	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			06/21/14 01:17	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 01:17	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 01:17	1
Vinyl chloride	<1.00		1.00		ug/L			06/21/14 01:17	1
Xylenes, Total	<3.00		3.00		ug/L			06/21/14 01:17	1
Bromodichloromethane	<1.00		1.00		ug/L			06/21/14 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*75 - 110*		*06/21/14 01:17*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*06/21/14 01:17*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/21/14 01:17*	*1*

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-2
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-2
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0		ug/L			06/21/14 01:43	1
Benzene	<0.500		0.500		ug/L			06/21/14 01:43	1
Bromobenzene	<1.00		1.00		ug/L			06/21/14 01:43	1
Bromochloromethane	<5.00		5.00		ug/L			06/21/14 01:43	1
Bromoform	<5.00		5.00		ug/L			06/21/14 01:43	1
Bromomethane	<4.00		4.00		ug/L			06/21/14 01:43	1
2-Butanone (MEK)	<10.0		10.0		ug/L			06/21/14 01:43	1
n-Butylbenzene	<1.00		1.00		ug/L			06/21/14 01:43	1
sec-Butylbenzene	<1.00		1.00		ug/L			06/21/14 01:43	1
tert-Butylbenzene	<1.00		1.00		ug/L			06/21/14 01:43	1
Carbon disulfide	<1.00		1.00		ug/L			06/21/14 01:43	1
Carbon tetrachloride	<2.00		2.00		ug/L			06/21/14 01:43	1
Chlorobenzene	<1.00		1.00		ug/L			06/21/14 01:43	1
Chlorodibromomethane	<5.00		5.00		ug/L			06/21/14 01:43	1
Chloroethane	<4.00		4.00		ug/L			06/21/14 01:43	1
Chloroform	<1.00		1.00		ug/L			06/21/14 01:43	1
Chloromethane	<3.00		3.00		ug/L			06/21/14 01:43	1
2-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 01:43	1
4-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 01:43	1
1,2-Dibromo-3-Chloropropane	<10.0		10.0		ug/L			06/21/14 01:43	1
1,2-Dibromoethane (EDB)	<10.0		10.0		ug/L			06/21/14 01:43	1
Dibromomethane	<1.00		1.00		ug/L			06/21/14 01:43	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 01:43	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 01:43	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 01:43	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			06/21/14 01:43	1
1,1-Dichloroethane	<1.00		1.00		ug/L			06/21/14 01:43	1
1,2-Dichloroethane	<1.00		1.00		ug/L			06/21/14 01:43	1
1,1-Dichloroethene	<2.00		2.00		ug/L			06/21/14 01:43	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 01:43	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 01:43	1
1,2-Dichloropropane	<1.00		1.00		ug/L			06/21/14 01:43	1
1,3-Dichloropropane	<1.00		1.00		ug/L			06/21/14 01:43	1
2,2-Dichloropropane	<4.00		4.00		ug/L			06/21/14 01:43	1
1,1-Dichloropropene	<1.00		1.00		ug/L			06/21/14 01:43	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 01:43	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 01:43	1
Ethylbenzene	<1.00		1.00		ug/L			06/21/14 01:43	1
Hexachlorobutadiene	<5.00		5.00		ug/L			06/21/14 01:43	1
Hexane	<1.00		1.00		ug/L			06/21/14 01:43	1
Isopropylbenzene	<1.00		1.00		ug/L			06/21/14 01:43	1
p-Isopropyltoluene	<1.00		1.00		ug/L			06/21/14 01:43	1
Methylene Chloride	<5.00		5.00		ug/L			06/21/14 01:43	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			06/21/14 01:43	1
Naphthalene	<5.00		5.00		ug/L			06/21/14 01:43	1
N-Propylbenzene	<1.00		1.00		ug/L			06/21/14 01:43	1
Styrene	<1.00		1.00		ug/L			06/21/14 01:43	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 01:43	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 01:43	1

Client Sample ID: GP-2
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-2
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**48.6**		1.00		ug/L			06/21/14 01:43	1
Toluene	<1.00		1.00		ug/L			06/21/14 01:43	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 01:43	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 01:43	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			06/21/14 01:43	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			06/21/14 01:43	1
Trichloroethene	<1.00		1.00		ug/L			06/21/14 01:43	1
Trichlorofluoromethane	<4.00		4.00		ug/L			06/21/14 01:43	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			06/21/14 01:43	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 01:43	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 01:43	1
Vinyl chloride	<1.00		1.00		ug/L			06/21/14 01:43	1
Xylenes, Total	<3.00		3.00		ug/L			06/21/14 01:43	1
Bromodichloromethane	<1.00		1.00		ug/L			06/21/14 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*75 - 110*		*06/21/14 01:43*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 120*		*06/21/14 01:43*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/21/14 01:43*	*1*

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-3
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-3
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0		ug/L			06/21/14 06:26	1
Benzene	<0.500		0.500		ug/L			06/21/14 06:26	1
Bromobenzene	<1.00		1.00		ug/L			06/21/14 06:26	1
Bromochloromethane	<5.00		5.00		ug/L			06/21/14 06:26	1
Bromoform	<5.00		5.00		ug/L			06/21/14 06:26	1
Bromomethane	<4.00		4.00		ug/L			06/21/14 06:26	1
2-Butanone (MEK)	<10.0		10.0		ug/L			06/21/14 06:26	1
n-Butylbenzene	<1.00		1.00		ug/L			06/21/14 06:26	1
sec-Butylbenzene	<1.00		1.00		ug/L			06/21/14 06:26	1
tert-Butylbenzene	<1.00		1.00		ug/L			06/21/14 06:26	1
Carbon disulfide	<1.00		1.00		ug/L			06/21/14 06:26	1
Carbon tetrachloride	<2.00		2.00		ug/L			06/21/14 06:26	1
Chlorobenzene	<1.00		1.00		ug/L			06/21/14 06:26	1
Chlorodibromomethane	<5.00		5.00		ug/L			06/21/14 06:26	1
Chloroethane	<4.00		4.00		ug/L			06/21/14 06:26	1
Chloroform	<1.00		1.00		ug/L			06/21/14 06:26	1
Chloromethane	<3.00		3.00		ug/L			06/21/14 06:26	1
2-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 06:26	1
4-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 06:26	1
1,2-Dibromo-3-Chloropropane	<10.0		10.0		ug/L			06/21/14 06:26	1
1,2-Dibromoethane (EDB)	<10.0		10.0		ug/L			06/21/14 06:26	1
Dibromomethane	<1.00		1.00		ug/L			06/21/14 06:26	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 06:26	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 06:26	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 06:26	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			06/21/14 06:26	1
1,1-Dichloroethane	<1.00		1.00		ug/L			06/21/14 06:26	1
1,2-Dichloroethane	<1.00		1.00		ug/L			06/21/14 06:26	1
1,1-Dichloroethene	<2.00		2.00		ug/L			06/21/14 06:26	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 06:26	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 06:26	1
1,2-Dichloropropane	<1.00		1.00		ug/L			06/21/14 06:26	1
1,3-Dichloropropane	<1.00		1.00		ug/L			06/21/14 06:26	1
2,2-Dichloropropane	<4.00		4.00		ug/L			06/21/14 06:26	1
1,1-Dichloropropene	<1.00		1.00		ug/L			06/21/14 06:26	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 06:26	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 06:26	1
Ethylbenzene	<1.00		1.00		ug/L			06/21/14 06:26	1
Hexachlorobutadiene	<5.00		5.00		ug/L			06/21/14 06:26	1
Hexane	<1.00		1.00		ug/L			06/21/14 06:26	1
Isopropylbenzene	<1.00		1.00		ug/L			06/21/14 06:26	1
p-Isopropyltoluene	<1.00		1.00		ug/L			06/21/14 06:26	1
Methylene Chloride	<5.00		5.00		ug/L			06/21/14 06:26	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			06/21/14 06:26	1
Naphthalene	<5.00		5.00		ug/L			06/21/14 06:26	1
N-Propylbenzene	<1.00		1.00		ug/L			06/21/14 06:26	1
Styrene	<1.00		1.00		ug/L			06/21/14 06:26	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 06:26	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 06:26	1

Client Sample ID: GP-3
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-3
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<1.00		1.00		ug/L			06/21/14 06:26	1
Toluene	<1.00		1.00		ug/L			06/21/14 06:26	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 06:26	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 06:26	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			06/21/14 06:26	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			06/21/14 06:26	1
Trichloroethene	<1.00		1.00		ug/L			06/21/14 06:26	1
Trichlorofluoromethane	<4.00		4.00		ug/L			06/21/14 06:26	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			06/21/14 06:26	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 06:26	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 06:26	1
Vinyl chloride	<1.00		1.00		ug/L			06/21/14 06:26	1
Xylenes, Total	<3.00		3.00		ug/L			06/21/14 06:26	1
Bromodichloromethane	<1.00		1.00		ug/L			06/21/14 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*75 - 110*		*06/21/14 06:26*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 120*		*06/21/14 06:26*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/21/14 06:26*	*1*

Client Sample ID: GP-4
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-4
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0		ug/L			06/21/14 06:52	1
Benzene	<0.500		0.500		ug/L			06/21/14 06:52	1
Bromobenzene	<1.00		1.00		ug/L			06/21/14 06:52	1
Bromochloromethane	<5.00		5.00		ug/L			06/21/14 06:52	1
Bromoform	<5.00		5.00		ug/L			06/21/14 06:52	1
Bromomethane	<4.00		4.00		ug/L			06/21/14 06:52	1
2-Butanone (MEK)	<10.0		10.0		ug/L			06/21/14 06:52	1
n-Butylbenzene	<1.00		1.00		ug/L			06/21/14 06:52	1
sec-Butylbenzene	<1.00		1.00		ug/L			06/21/14 06:52	1
tert-Butylbenzene	<1.00		1.00		ug/L			06/21/14 06:52	1
Carbon disulfide	<1.00		1.00		ug/L			06/21/14 06:52	1
Carbon tetrachloride	<2.00		2.00		ug/L			06/21/14 06:52	1
Chlorobenzene	<1.00		1.00		ug/L			06/21/14 06:52	1
Chlorodibromomethane	<5.00		5.00		ug/L			06/21/14 06:52	1
Chloroethane	<4.00		4.00		ug/L			06/21/14 06:52	1
Chloroform	<1.00		1.00		ug/L			06/21/14 06:52	1
Chloromethane	<3.00		3.00		ug/L			06/21/14 06:52	1
2-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 06:52	1
4-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 06:52	1
1,2-Dibromo-3-Chloropropane	<10.0		10.0		ug/L			06/21/14 06:52	1
1,2-Dibromoethane (EDB)	<10.0		10.0		ug/L			06/21/14 06:52	1
Dibromomethane	<1.00		1.00		ug/L			06/21/14 06:52	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 06:52	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 06:52	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 06:52	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			06/21/14 06:52	1
1,1-Dichloroethane	<1.00		1.00		ug/L			06/21/14 06:52	1
1,2-Dichloroethane	<1.00		1.00		ug/L			06/21/14 06:52	1
1,1-Dichloroethene	<2.00		2.00		ug/L			06/21/14 06:52	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 06:52	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 06:52	1
1,2-Dichloropropane	<1.00		1.00		ug/L			06/21/14 06:52	1
1,3-Dichloropropane	<1.00		1.00		ug/L			06/21/14 06:52	1
2,2-Dichloropropane	<4.00		4.00		ug/L			06/21/14 06:52	1
1,1-Dichloropropene	<1.00		1.00		ug/L			06/21/14 06:52	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 06:52	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 06:52	1
Ethylbenzene	<1.00		1.00		ug/L			06/21/14 06:52	1
Hexachlorobutadiene	<5.00		5.00		ug/L			06/21/14 06:52	1
Hexane	<1.00		1.00		ug/L			06/21/14 06:52	1
Isopropylbenzene	<1.00		1.00		ug/L			06/21/14 06:52	1
p-Isopropyltoluene	<1.00		1.00		ug/L			06/21/14 06:52	1
Methylene Chloride	<5.00		5.00		ug/L			06/21/14 06:52	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			06/21/14 06:52	1
Naphthalene	<5.00		5.00		ug/L			06/21/14 06:52	1
N-Propylbenzene	<1.00		1.00		ug/L			06/21/14 06:52	1
Styrene	<1.00		1.00		ug/L			06/21/14 06:52	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 06:52	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 06:52	1

Client Sample ID: GP-4
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-4
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**2.03**		1.00		ug/L			06/21/14 06:52	1
Toluene	<1.00		1.00		ug/L			06/21/14 06:52	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 06:52	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 06:52	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			06/21/14 06:52	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			06/21/14 06:52	1
Trichloroethene	<1.00		1.00		ug/L			06/21/14 06:52	1
Trichlorofluoromethane	<4.00		4.00		ug/L			06/21/14 06:52	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			06/21/14 06:52	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 06:52	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 06:52	1
Vinyl chloride	<1.00		1.00		ug/L			06/21/14 06:52	1
Xylenes, Total	<3.00		3.00		ug/L			06/21/14 06:52	1
Bromodichloromethane	<1.00		1.00		ug/L			06/21/14 06:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*75 - 110*		*06/21/14 06:52*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 120*		*06/21/14 06:52*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/21/14 06:52*	*1*

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-5
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-5
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0		ug/L			06/21/14 07:18	1
Benzene	<0.500		0.500		ug/L			06/21/14 07:18	1
Bromobenzene	<1.00		1.00		ug/L			06/21/14 07:18	1
Bromochloromethane	<5.00		5.00		ug/L			06/21/14 07:18	1
Bromoform	<5.00		5.00		ug/L			06/21/14 07:18	1
Bromomethane	<4.00		4.00		ug/L			06/21/14 07:18	1
2-Butanone (MEK)	<10.0		10.0		ug/L			06/21/14 07:18	1
n-Butylbenzene	<1.00		1.00		ug/L			06/21/14 07:18	1
sec-Butylbenzene	<1.00		1.00		ug/L			06/21/14 07:18	1
tert-Butylbenzene	<1.00		1.00		ug/L			06/21/14 07:18	1
Carbon disulfide	<1.00		1.00		ug/L			06/21/14 07:18	1
Carbon tetrachloride	<2.00		2.00		ug/L			06/21/14 07:18	1
Chlorobenzene	<1.00		1.00		ug/L			06/21/14 07:18	1
Chlorodibromomethane	<5.00		5.00		ug/L			06/21/14 07:18	1
Chloroethane	<4.00		4.00		ug/L			06/21/14 07:18	1
Chloroform	<1.00		1.00		ug/L			06/21/14 07:18	1
Chloromethane	<3.00		3.00		ug/L			06/21/14 07:18	1
2-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 07:18	1
4-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 07:18	1
1,2-Dibromo-3-Chloropropane	<10.0		10.0		ug/L			06/21/14 07:18	1
1,2-Dibromoethane (EDB)	<10.0		10.0		ug/L			06/21/14 07:18	1
Dibromomethane	<1.00		1.00		ug/L			06/21/14 07:18	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 07:18	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 07:18	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 07:18	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			06/21/14 07:18	1
1,1-Dichloroethane	<1.00		1.00		ug/L			06/21/14 07:18	1
1,2-Dichloroethane	<1.00		1.00		ug/L			06/21/14 07:18	1
1,1-Dichloroethene	<2.00		2.00		ug/L			06/21/14 07:18	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 07:18	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 07:18	1
1,2-Dichloropropane	<1.00		1.00		ug/L			06/21/14 07:18	1
1,3-Dichloropropane	<1.00		1.00		ug/L			06/21/14 07:18	1
2,2-Dichloropropane	<4.00		4.00		ug/L			06/21/14 07:18	1
1,1-Dichloropropene	<1.00		1.00		ug/L			06/21/14 07:18	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 07:18	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 07:18	1
Ethylbenzene	<1.00		1.00		ug/L			06/21/14 07:18	1
Hexachlorobutadiene	<5.00		5.00		ug/L			06/21/14 07:18	1
Hexane	<1.00		1.00		ug/L			06/21/14 07:18	1
Isopropylbenzene	<1.00		1.00		ug/L			06/21/14 07:18	1
p-Isopropyltoluene	<1.00		1.00		ug/L			06/21/14 07:18	1
Methylene Chloride	<5.00		5.00		ug/L			06/21/14 07:18	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			06/21/14 07:18	1
Naphthalene	<5.00		5.00		ug/L			06/21/14 07:18	1
N-Propylbenzene	<1.00		1.00		ug/L			06/21/14 07:18	1
Styrene	<1.00		1.00		ug/L			06/21/14 07:18	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 07:18	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 07:18	1

Client Sample ID: GP-5
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-5
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**2.96**		1.00		ug/L			06/21/14 07:18	1
Toluene	<1.00		1.00		ug/L			06/21/14 07:18	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 07:18	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 07:18	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			06/21/14 07:18	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			06/21/14 07:18	1
Trichloroethene	<1.00		1.00		ug/L			06/21/14 07:18	1
Trichlorofluoromethane	<4.00		4.00		ug/L			06/21/14 07:18	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			06/21/14 07:18	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 07:18	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 07:18	1
Vinyl chloride	<1.00		1.00		ug/L			06/21/14 07:18	1
Xylenes, Total	<3.00		3.00		ug/L			06/21/14 07:18	1
Bromodichloromethane	<1.00		1.00		ug/L			06/21/14 07:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*75 - 110*		*06/21/14 07:18*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*06/21/14 07:18*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/21/14 07:18*	*1*

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-6
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-6
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0		ug/L			06/21/14 07:44	1
Benzene	<0.500		0.500		ug/L			06/21/14 07:44	1
Bromobenzene	<1.00		1.00		ug/L			06/21/14 07:44	1
Bromochloromethane	<5.00		5.00		ug/L			06/21/14 07:44	1
Bromoform	<5.00		5.00		ug/L			06/21/14 07:44	1
Bromomethane	<4.00		4.00		ug/L			06/21/14 07:44	1
2-Butanone (MEK)	<10.0		10.0		ug/L			06/21/14 07:44	1
n-Butylbenzene	<1.00		1.00		ug/L			06/21/14 07:44	1
sec-Butylbenzene	<1.00		1.00		ug/L			06/21/14 07:44	1
tert-Butylbenzene	<1.00		1.00		ug/L			06/21/14 07:44	1
Carbon disulfide	<1.00		1.00		ug/L			06/21/14 07:44	1
Carbon tetrachloride	<2.00		2.00		ug/L			06/21/14 07:44	1
Chlorobenzene	<1.00		1.00		ug/L			06/21/14 07:44	1
Chlorodibromomethane	<5.00		5.00		ug/L			06/21/14 07:44	1
Chloroethane	<4.00		4.00		ug/L			06/21/14 07:44	1
Chloroform	<1.00		1.00		ug/L			06/21/14 07:44	1
Chloromethane	<3.00		3.00		ug/L			06/21/14 07:44	1
2-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 07:44	1
4-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 07:44	1
1,2-Dibromo-3-Chloropropane	<10.0		10.0		ug/L			06/21/14 07:44	1
1,2-Dibromoethane (EDB)	<10.0		10.0		ug/L			06/21/14 07:44	1
Dibromomethane	<1.00		1.00		ug/L			06/21/14 07:44	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 07:44	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 07:44	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 07:44	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			06/21/14 07:44	1
1,1-Dichloroethane	<1.00		1.00		ug/L			06/21/14 07:44	1
1,2-Dichloroethane	<1.00		1.00		ug/L			06/21/14 07:44	1
1,1-Dichloroethene	<2.00		2.00		ug/L			06/21/14 07:44	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 07:44	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 07:44	1
1,2-Dichloropropane	<1.00		1.00		ug/L			06/21/14 07:44	1
1,3-Dichloropropane	<1.00		1.00		ug/L			06/21/14 07:44	1
2,2-Dichloropropane	<4.00		4.00		ug/L			06/21/14 07:44	1
1,1-Dichloropropene	<1.00		1.00		ug/L			06/21/14 07:44	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 07:44	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 07:44	1
Ethylbenzene	<1.00		1.00		ug/L			06/21/14 07:44	1
Hexachlorobutadiene	<5.00		5.00		ug/L			06/21/14 07:44	1
Hexane	<1.00		1.00		ug/L			06/21/14 07:44	1
Isopropylbenzene	<1.00		1.00		ug/L			06/21/14 07:44	1
p-Isopropyltoluene	<1.00		1.00		ug/L			06/21/14 07:44	1
Methylene Chloride	<5.00		5.00		ug/L			06/21/14 07:44	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			06/21/14 07:44	1
Naphthalene	<5.00		5.00		ug/L			06/21/14 07:44	1
N-Propylbenzene	<1.00		1.00		ug/L			06/21/14 07:44	1
Styrene	<1.00		1.00		ug/L			06/21/14 07:44	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 07:44	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 07:44	1

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-6
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-6
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<1.00		1.00		ug/L			06/21/14 07:44	1
Toluene	<1.00		1.00		ug/L			06/21/14 07:44	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 07:44	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 07:44	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			06/21/14 07:44	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			06/21/14 07:44	1
Trichloroethene	<1.00		1.00		ug/L			06/21/14 07:44	1
Trichlorofluoromethane	<4.00		4.00		ug/L			06/21/14 07:44	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			06/21/14 07:44	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 07:44	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 07:44	1
Vinyl chloride	<1.00		1.00		ug/L			06/21/14 07:44	1
Xylenes, Total	<3.00		3.00		ug/L			06/21/14 07:44	1
Bromodichloromethane	<1.00		1.00		ug/L			06/21/14 07:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*75 - 110*		*06/21/14 07:44*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 120*		*06/21/14 07:44*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/21/14 07:44*	*1*

Client Sample ID: GP-1 7.5-8
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-7
Matrix: Soil
Percent Solids: 86.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<629		629		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Benzene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Bromobenzene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Bromochloromethane	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Bromoform	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Bromomethane	<629	*	629		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
2-Butanone (MEK)	<315		315		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
n-Butylbenzene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
sec-Butylbenzene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
tert-Butylbenzene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Carbon disulfide	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Carbon tetrachloride	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Chlorobenzene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Chlorodibromomethane	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Chloroethane	<126	*	126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Chloroform	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Chloromethane	<315		315		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
2-Chlorotoluene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
4-Chlorotoluene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
1,2-Dibromo-3-Chloropropane	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
1,2-Dibromoethane (EDB)	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Dibromomethane	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
1,2-Dichlorobenzene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
1,4-Dichlorobenzene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
1,3-Dichlorobenzene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Dichlorodifluoromethane	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
1,1-Dichloroethane	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
1,2-Dichloroethane	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
1,1-Dichloroethene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
cis-1,2-Dichloroethene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
trans-1,2-Dichloroethene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
1,2-Dichloropropane	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
1,3-Dichloropropane	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
2,2-Dichloropropane	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
1,1-Dichloropropene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
cis-1,3-Dichloropropene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
trans-1,3-Dichloropropene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Ethylbenzene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Hexachlorobutadiene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Hexane	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Isopropylbenzene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
p-Isopropyltoluene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Methylene Chloride	<315		315		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Methyl tert-butyl ether	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Naphthalene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
N-Propylbenzene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
Styrene	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
1,1,1,2-Tetrachloroethane	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1
1,1,2,2-Tetrachloroethane	<126		126		ug/Kg		06/15/14 10:13	06/15/14 19:23	1

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-1 7.5-8
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-7
Matrix: Soil
Percent Solids: 86.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<126		126		ug/Kg	☼	06/15/14 10:13	06/15/14 19:23	1
Toluene	<126		126		ug/Kg	☼	06/15/14 10:13	06/15/14 19:23	1
1,2,3-Trichlorobenzene	<126		126		ug/Kg	☼	06/15/14 10:13	06/15/14 19:23	1
1,2,4-Trichlorobenzene	<126		126		ug/Kg	☼	06/15/14 10:13	06/15/14 19:23	1
1,1,1-Trichloroethane	<126		126		ug/Kg	☼	06/15/14 10:13	06/15/14 19:23	1
1,1,2-Trichloroethane	<126		126		ug/Kg	☼	06/15/14 10:13	06/15/14 19:23	1
Trichloroethene	<126		126		ug/Kg	☼	06/15/14 10:13	06/15/14 19:23	1
Trichlorofluoromethane	<126		126		ug/Kg	☼	06/15/14 10:13	06/15/14 19:23	1
1,2,3-Trichloropropane	<126		126		ug/Kg	☼	06/15/14 10:13	06/15/14 19:23	1
1,2,4-Trimethylbenzene	<126		126		ug/Kg	☼	06/15/14 10:13	06/15/14 19:23	1
1,3,5-Trimethylbenzene	<126		126		ug/Kg	☼	06/15/14 10:13	06/15/14 19:23	1
Vinyl chloride	<126		126		ug/Kg	☼	06/15/14 10:13	06/15/14 19:23	1
Xylenes, Total	<189		189		ug/Kg	☼	06/15/14 10:13	06/15/14 19:23	1
Bromodichloromethane	<126		126		ug/Kg	☼	06/15/14 10:13	06/15/14 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*	*06/15/14 10:13*	*06/15/14 19:23*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 125*	*06/15/14 10:13*	*06/15/14 19:23*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*06/15/14 10:13*	*06/15/14 19:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.7**		0.100		%			06/13/14 14:32	1
Percent Solids	**86.3**		0.100		%			06/13/14 14:32	1

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-2 7.5-8
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-8
Matrix: Soil
Percent Solids: 84.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<566		566		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Benzene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Bromobenzene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Bromochloromethane	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Bromoform	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Bromomethane	<566		566		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
2-Butanone (MEK)	<283		283		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
n-Butylbenzene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
sec-Butylbenzene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
tert-Butylbenzene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Carbon disulfide	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Carbon tetrachloride	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Chlorobenzene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Chlorodibromomethane	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Chloroethane	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Chloroform	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Chloromethane	<283		283		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
2-Chlorotoluene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
4-Chlorotoluene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
1,2-Dibromo-3-Chloropropane	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
1,2-Dibromoethane (EDB)	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Dibromomethane	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
1,2-Dichlorobenzene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
1,4-Dichlorobenzene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
1,3-Dichlorobenzene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Dichlorodifluoromethane	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
1,1-Dichloroethane	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
1,2-Dichloroethane	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
1,1-Dichloroethene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
cis-1,2-Dichloroethene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
trans-1,2-Dichloroethene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
1,2-Dichloropropane	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
1,3-Dichloropropane	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
2,2-Dichloropropane	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
1,1-Dichloropropene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
cis-1,3-Dichloropropene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
trans-1,3-Dichloropropene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Ethylbenzene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Hexachlorobutadiene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Hexane	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Isopropylbenzene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
p-Isopropyltoluene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Methylene Chloride	<283		283		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Methyl tert-butyl ether	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Naphthalene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
N-Propylbenzene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
Styrene	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
1,1,1,2-Tetrachloroethane	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1
1,1,2,2-Tetrachloroethane	<113		113		ug/Kg		06/15/14 10:13	06/15/14 19:54	1

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-2 7.5-8
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-8
Matrix: Soil
Percent Solids: 84.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<113		113		ug/Kg	☼	06/15/14 10:13	06/15/14 19:54	1
Toluene	<113		113		ug/Kg	☼	06/15/14 10:13	06/15/14 19:54	1
1,2,3-Trichlorobenzene	<113		113		ug/Kg	☼	06/15/14 10:13	06/15/14 19:54	1
1,2,4-Trichlorobenzene	<113		113		ug/Kg	☼	06/15/14 10:13	06/15/14 19:54	1
1,1,1-Trichloroethane	<113		113		ug/Kg	☼	06/15/14 10:13	06/15/14 19:54	1
1,1,2-Trichloroethane	<113		113		ug/Kg	☼	06/15/14 10:13	06/15/14 19:54	1
Trichloroethene	<113		113		ug/Kg	☼	06/15/14 10:13	06/15/14 19:54	1
Trichlorofluoromethane	<113		113		ug/Kg	☼	06/15/14 10:13	06/15/14 19:54	1
1,2,3-Trichloropropane	<113		113		ug/Kg	☼	06/15/14 10:13	06/15/14 19:54	1
1,2,4-Trimethylbenzene	<113		113		ug/Kg	☼	06/15/14 10:13	06/15/14 19:54	1
1,3,5-Trimethylbenzene	<113		113		ug/Kg	☼	06/15/14 10:13	06/15/14 19:54	1
Vinyl chloride	<113		113		ug/Kg	☼	06/15/14 10:13	06/15/14 19:54	1
Xylenes, Total	<170		170		ug/Kg	☼	06/15/14 10:13	06/15/14 19:54	1
Bromodichloromethane	<113		113		ug/Kg	☼	06/15/14 10:13	06/15/14 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*	*06/15/14 10:13*	*06/15/14 19:54*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 125*	*06/15/14 10:13*	*06/15/14 19:54*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*06/15/14 10:13*	*06/15/14 19:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.8**		0.100		%			06/13/14 14:32	1
Percent Solids	**84.2**		0.100		%			06/13/14 14:32	1

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-3 6.5-7.5
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-9
Matrix: Soil
Percent Solids: 82.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<592		592		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Benzene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Bromobenzene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Bromochloromethane	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Bromoform	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Bromomethane	<592	*	592		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
2-Butanone (MEK)	<296		296		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
n-Butylbenzene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
sec-Butylbenzene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
tert-Butylbenzene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Carbon disulfide	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Carbon tetrachloride	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Chlorobenzene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Chlorodibromomethane	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Chloroethane	<118	*	118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Chloroform	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Chloromethane	<296		296		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
2-Chlorotoluene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
4-Chlorotoluene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
1,2-Dibromo-3-Chloropropane	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
1,2-Dibromoethane (EDB)	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Dibromomethane	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
1,2-Dichlorobenzene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
1,4-Dichlorobenzene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
1,3-Dichlorobenzene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Dichlorodifluoromethane	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
1,1-Dichloroethane	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
1,2-Dichloroethane	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
1,1-Dichloroethene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
cis-1,2-Dichloroethene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
trans-1,2-Dichloroethene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
1,2-Dichloropropane	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
1,3-Dichloropropane	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
2,2-Dichloropropane	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
1,1-Dichloropropene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
cis-1,3-Dichloropropene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
trans-1,3-Dichloropropene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Ethylbenzene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Hexachlorobutadiene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Hexane	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Isopropylbenzene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
p-Isopropyltoluene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Methylene Chloride	<296		296		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Methyl tert-butyl ether	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Naphthalene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
N-Propylbenzene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
Styrene	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
1,1,1,2-Tetrachloroethane	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1
1,1,2,2-Tetrachloroethane	<118		118		ug/Kg		06/15/14 10:13	06/15/14 20:24	1

Client Sample ID: GP-3 6.5-7.5
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-9
Matrix: Soil
Percent Solids: 82.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<118		118		ug/Kg	☼	06/15/14 10:13	06/15/14 20:24	1
Toluene	<118		118		ug/Kg	☼	06/15/14 10:13	06/15/14 20:24	1
1,2,3-Trichlorobenzene	<118		118		ug/Kg	☼	06/15/14 10:13	06/15/14 20:24	1
1,2,4-Trichlorobenzene	<118		118		ug/Kg	☼	06/15/14 10:13	06/15/14 20:24	1
1,1,1-Trichloroethane	<118		118		ug/Kg	☼	06/15/14 10:13	06/15/14 20:24	1
1,1,2-Trichloroethane	<118		118		ug/Kg	☼	06/15/14 10:13	06/15/14 20:24	1
Trichloroethene	<118		118		ug/Kg	☼	06/15/14 10:13	06/15/14 20:24	1
Trichlorofluoromethane	<118		118		ug/Kg	☼	06/15/14 10:13	06/15/14 20:24	1
1,2,3-Trichloropropane	<118		118		ug/Kg	☼	06/15/14 10:13	06/15/14 20:24	1
1,2,4-Trimethylbenzene	<118		118		ug/Kg	☼	06/15/14 10:13	06/15/14 20:24	1
1,3,5-Trimethylbenzene	<118		118		ug/Kg	☼	06/15/14 10:13	06/15/14 20:24	1
Vinyl chloride	<118		118		ug/Kg	☼	06/15/14 10:13	06/15/14 20:24	1
Xylenes, Total	<178		178		ug/Kg	☼	06/15/14 10:13	06/15/14 20:24	1
Bromodichloromethane	<118		118		ug/Kg	☼	06/15/14 10:13	06/15/14 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*	*06/15/14 10:13*	*06/15/14 20:24*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 125*	*06/15/14 10:13*	*06/15/14 20:24*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*06/15/14 10:13*	*06/15/14 20:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17.1**		0.100		%			06/13/14 14:32	1
Percent Solids	**82.9**		0.100		%			06/13/14 14:32	1

Client Sample ID: GP-4 6-7
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-10
Matrix: Soil
Percent Solids: 92.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<522		522		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Benzene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Bromobenzene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Bromochloromethane	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Bromoform	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Bromomethane	<522	*	522		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
2-Butanone (MEK)	<261		261		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
n-Butylbenzene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
sec-Butylbenzene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
tert-Butylbenzene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Carbon disulfide	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Carbon tetrachloride	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Chlorobenzene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Chlorodibromomethane	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Chloroethane	<104	*	104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Chloroform	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Chloromethane	<261		261		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
2-Chlorotoluene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
4-Chlorotoluene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
1,2-Dibromo-3-Chloropropane	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
1,2-Dibromoethane (EDB)	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Dibromomethane	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
1,2-Dichlorobenzene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
1,4-Dichlorobenzene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
1,3-Dichlorobenzene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Dichlorodifluoromethane	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
1,1-Dichloroethane	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
1,2-Dichloroethane	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
1,1-Dichloroethene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
cis-1,2-Dichloroethene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
trans-1,2-Dichloroethene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
1,2-Dichloropropane	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
1,3-Dichloropropane	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
2,2-Dichloropropane	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
1,1-Dichloropropene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
cis-1,3-Dichloropropene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
trans-1,3-Dichloropropene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Ethylbenzene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Hexachlorobutadiene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Hexane	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Isopropylbenzene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
p-Isopropyltoluene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Methylene Chloride	<261		261		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Methyl tert-butyl ether	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Naphthalene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
N-Propylbenzene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
Styrene	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
1,1,1,2-Tetrachloroethane	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1
1,1,2,2-Tetrachloroethane	<104		104		ug/Kg		06/15/14 10:13	06/15/14 20:54	1

Client Sample ID: GP-4 6-7
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-10
Matrix: Soil
Percent Solids: 92.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<104		104		ug/Kg	☼	06/15/14 10:13	06/15/14 20:54	1
Toluene	<104		104		ug/Kg	☼	06/15/14 10:13	06/15/14 20:54	1
1,2,3-Trichlorobenzene	<104		104		ug/Kg	☼	06/15/14 10:13	06/15/14 20:54	1
1,2,4-Trichlorobenzene	<104		104		ug/Kg	☼	06/15/14 10:13	06/15/14 20:54	1
1,1,1-Trichloroethane	<104		104		ug/Kg	☼	06/15/14 10:13	06/15/14 20:54	1
1,1,2-Trichloroethane	<104		104		ug/Kg	☼	06/15/14 10:13	06/15/14 20:54	1
Trichloroethene	<104		104		ug/Kg	☼	06/15/14 10:13	06/15/14 20:54	1
Trichlorofluoromethane	<104		104		ug/Kg	☼	06/15/14 10:13	06/15/14 20:54	1
1,2,3-Trichloropropane	<104		104		ug/Kg	☼	06/15/14 10:13	06/15/14 20:54	1
1,2,4-Trimethylbenzene	<104		104		ug/Kg	☼	06/15/14 10:13	06/15/14 20:54	1
1,3,5-Trimethylbenzene	<104		104		ug/Kg	☼	06/15/14 10:13	06/15/14 20:54	1
Vinyl chloride	<104		104		ug/Kg	☼	06/15/14 10:13	06/15/14 20:54	1
Xylenes, Total	<157		157		ug/Kg	☼	06/15/14 10:13	06/15/14 20:54	1
Bromodichloromethane	<104		104		ug/Kg	☼	06/15/14 10:13	06/15/14 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*	*06/15/14 10:13*	*06/15/14 20:54*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 125*	*06/15/14 10:13*	*06/15/14 20:54*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*06/15/14 10:13*	*06/15/14 20:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.64**		0.100		%			06/13/14 14:32	1
Percent Solids	**92.4**		0.100		%			06/13/14 14:32	1

Client Sample ID: GP-5 6-7
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-11
Matrix: Soil
Percent Solids: 77.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<618		618		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Benzene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Bromobenzene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Bromochloromethane	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Bromoform	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Bromomethane	<618	*	618		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
2-Butanone (MEK)	<309		309		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
n-Butylbenzene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
sec-Butylbenzene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
tert-Butylbenzene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Carbon disulfide	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Carbon tetrachloride	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Chlorobenzene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Chlorodibromomethane	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Chloroethane	<124	*	124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Chloroform	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Chloromethane	<309		309		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
2-Chlorotoluene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
4-Chlorotoluene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
1,2-Dibromo-3-Chloropropane	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
1,2-Dibromoethane (EDB)	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Dibromomethane	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
1,2-Dichlorobenzene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
1,4-Dichlorobenzene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
1,3-Dichlorobenzene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Dichlorodifluoromethane	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
1,1-Dichloroethane	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
1,2-Dichloroethane	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
1,1-Dichloroethene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
cis-1,2-Dichloroethene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
trans-1,2-Dichloroethene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
1,2-Dichloropropane	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
1,3-Dichloropropane	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
2,2-Dichloropropane	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
1,1-Dichloropropene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
cis-1,3-Dichloropropene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
trans-1,3-Dichloropropene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Ethylbenzene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Hexachlorobutadiene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Hexane	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Isopropylbenzene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
p-Isopropyltoluene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Methylene Chloride	<309		309		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Methyl tert-butyl ether	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Naphthalene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
N-Propylbenzene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
Styrene	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
1,1,1,2-Tetrachloroethane	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1
1,1,2,2-Tetrachloroethane	<124		124		ug/Kg		06/15/14 10:13	06/15/14 21:25	1

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-5 6-7
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-11
Matrix: Soil
Percent Solids: 77.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<124		124		ug/Kg	☼	06/15/14 10:13	06/15/14 21:25	1
Toluene	<124		124		ug/Kg	☼	06/15/14 10:13	06/15/14 21:25	1
1,2,3-Trichlorobenzene	<124		124		ug/Kg	☼	06/15/14 10:13	06/15/14 21:25	1
1,2,4-Trichlorobenzene	<124		124		ug/Kg	☼	06/15/14 10:13	06/15/14 21:25	1
1,1,1-Trichloroethane	<124		124		ug/Kg	☼	06/15/14 10:13	06/15/14 21:25	1
1,1,2-Trichloroethane	<124		124		ug/Kg	☼	06/15/14 10:13	06/15/14 21:25	1
Trichloroethene	<124		124		ug/Kg	☼	06/15/14 10:13	06/15/14 21:25	1
Trichlorofluoromethane	<124		124		ug/Kg	☼	06/15/14 10:13	06/15/14 21:25	1
1,2,3-Trichloropropane	<124		124		ug/Kg	☼	06/15/14 10:13	06/15/14 21:25	1
1,2,4-Trimethylbenzene	<124		124		ug/Kg	☼	06/15/14 10:13	06/15/14 21:25	1
1,3,5-Trimethylbenzene	<124		124		ug/Kg	☼	06/15/14 10:13	06/15/14 21:25	1
Vinyl chloride	<124		124		ug/Kg	☼	06/15/14 10:13	06/15/14 21:25	1
Xylenes, Total	<185		185		ug/Kg	☼	06/15/14 10:13	06/15/14 21:25	1
Bromodichloromethane	<124		124		ug/Kg	☼	06/15/14 10:13	06/15/14 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*06/15/14 10:13*	*06/15/14 21:25*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 125*	*06/15/14 10:13*	*06/15/14 21:25*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*06/15/14 10:13*	*06/15/14 21:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**22.2**		0.100		%			06/13/14 14:32	1
Percent Solids	**77.8**		0.100		%			06/13/14 14:32	1

Client Sample ID: GP-6 6-7
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-12
Matrix: Soil
Percent Solids: 81.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<558		558		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Benzene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Bromobenzene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Bromochloromethane	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Bromoform	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Bromomethane	<558	*	558		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
2-Butanone (MEK)	<279		279		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
n-Butylbenzene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
sec-Butylbenzene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
tert-Butylbenzene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Carbon disulfide	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Carbon tetrachloride	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Chlorobenzene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Chlorodibromomethane	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Chloroethane	<112	*	112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Chloroform	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Chloromethane	<279		279		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
2-Chlorotoluene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
4-Chlorotoluene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
1,2-Dibromo-3-Chloropropane	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
1,2-Dibromoethane (EDB)	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Dibromomethane	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
1,2-Dichlorobenzene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
1,4-Dichlorobenzene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
1,3-Dichlorobenzene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Dichlorodifluoromethane	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
1,1-Dichloroethane	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
1,2-Dichloroethane	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
1,1-Dichloroethene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
cis-1,2-Dichloroethene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
trans-1,2-Dichloroethene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
1,2-Dichloropropane	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
1,3-Dichloropropane	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
2,2-Dichloropropane	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
1,1-Dichloropropene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
cis-1,3-Dichloropropene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
trans-1,3-Dichloropropene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Ethylbenzene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Hexachlorobutadiene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Hexane	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Isopropylbenzene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
p-Isopropyltoluene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Methylene Chloride	<279		279		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Methyl tert-butyl ether	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Naphthalene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
N-Propylbenzene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
Styrene	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
1,1,1,2-Tetrachloroethane	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1
1,1,2,2-Tetrachloroethane	<112		112		ug/Kg		06/15/14 10:13	06/15/14 21:55	1

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-6 6-7
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-12
Matrix: Soil
Percent Solids: 81.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<112		112		ug/Kg	☼	06/15/14 10:13	06/15/14 21:55	1
Toluene	<112		112		ug/Kg	☼	06/15/14 10:13	06/15/14 21:55	1
1,2,3-Trichlorobenzene	<112		112		ug/Kg	☼	06/15/14 10:13	06/15/14 21:55	1
1,2,4-Trichlorobenzene	<112		112		ug/Kg	☼	06/15/14 10:13	06/15/14 21:55	1
1,1,1-Trichloroethane	<112		112		ug/Kg	☼	06/15/14 10:13	06/15/14 21:55	1
1,1,2-Trichloroethane	<112		112		ug/Kg	☼	06/15/14 10:13	06/15/14 21:55	1
Trichloroethene	<112		112		ug/Kg	☼	06/15/14 10:13	06/15/14 21:55	1
Trichlorofluoromethane	<112		112		ug/Kg	☼	06/15/14 10:13	06/15/14 21:55	1
1,2,3-Trichloropropane	<112		112		ug/Kg	☼	06/15/14 10:13	06/15/14 21:55	1
1,2,4-Trimethylbenzene	<112		112		ug/Kg	☼	06/15/14 10:13	06/15/14 21:55	1
1,3,5-Trimethylbenzene	<112		112		ug/Kg	☼	06/15/14 10:13	06/15/14 21:55	1
Vinyl chloride	<112		112		ug/Kg	☼	06/15/14 10:13	06/15/14 21:55	1
Xylenes, Total	<167		167		ug/Kg	☼	06/15/14 10:13	06/15/14 21:55	1
Bromodichloromethane	<112		112		ug/Kg	☼	06/15/14 10:13	06/15/14 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*	*06/15/14 10:13*	*06/15/14 21:55*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 125*	*06/15/14 10:13*	*06/15/14 21:55*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*06/15/14 10:13*	*06/15/14 21:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.5**		0.100		%			06/13/14 14:32	1
Percent Solids	**81.5**		0.100		%			06/13/14 14:32	1

Client Sample ID: Meth Blank
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-13
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<500		500		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Benzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Bromobenzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Bromochloromethane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Bromoform	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Bromomethane	<500	*	500		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
2-Butanone (MEK)	<250		250		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
n-Butylbenzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
sec-Butylbenzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
tert-Butylbenzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Carbon disulfide	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Carbon tetrachloride	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Chlorobenzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Chlorodibromomethane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Chloroethane	<100	*	100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Chloroform	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Chloromethane	<250		250		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
2-Chlorotoluene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
4-Chlorotoluene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,2-Dibromo-3-Chloropropane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,2-Dibromoethane (EDB)	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Dibromomethane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,2-Dichlorobenzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,4-Dichlorobenzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,3-Dichlorobenzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Dichlorodifluoromethane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,1-Dichloroethane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,2-Dichloroethane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,1-Dichloroethene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
cis-1,2-Dichloroethene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
trans-1,2-Dichloroethene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,2-Dichloropropane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,3-Dichloropropane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
2,2-Dichloropropane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,1-Dichloropropene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
cis-1,3-Dichloropropene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
trans-1,3-Dichloropropene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Ethylbenzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Hexachlorobutadiene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Hexane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Isopropylbenzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
p-Isopropyltoluene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Methylene Chloride	<250		250		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Methyl tert-butyl ether	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Naphthalene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
N-Propylbenzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Styrene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,1,1,2-Tetrachloroethane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,1,2,2-Tetrachloroethane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: Meth Blank
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-13
Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Toluene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,2,3-Trichlorobenzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,2,4-Trichlorobenzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,1,1-Trichloroethane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,1,2-Trichloroethane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Trichloroethene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Trichlorofluoromethane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,2,3-Trichloropropane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,2,4-Trimethylbenzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
1,3,5-Trimethylbenzene	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Vinyl chloride	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Xylenes, Total	<150		150		ug/Kg		06/15/14 10:13	06/15/14 14:50	1
Bromodichloromethane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*	*06/15/14 10:13*	*06/15/14 14:50*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 125*	*06/15/14 10:13*	*06/15/14 14:50*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*06/15/14 10:13*	*06/15/14 14:50*	*1*

Client Sample ID: HCL Blank
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-14
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0		ug/L			06/21/14 08:10	1
Benzene	<0.500		0.500		ug/L			06/21/14 08:10	1
Bromobenzene	<1.00		1.00		ug/L			06/21/14 08:10	1
Bromochloromethane	<5.00		5.00		ug/L			06/21/14 08:10	1
Bromoform	<5.00		5.00		ug/L			06/21/14 08:10	1
Bromomethane	<4.00		4.00		ug/L			06/21/14 08:10	1
2-Butanone (MEK)	<10.0		10.0		ug/L			06/21/14 08:10	1
n-Butylbenzene	<1.00		1.00		ug/L			06/21/14 08:10	1
sec-Butylbenzene	<1.00		1.00		ug/L			06/21/14 08:10	1
tert-Butylbenzene	<1.00		1.00		ug/L			06/21/14 08:10	1
Carbon disulfide	<1.00		1.00		ug/L			06/21/14 08:10	1
Carbon tetrachloride	<2.00		2.00		ug/L			06/21/14 08:10	1
Chlorobenzene	<1.00		1.00		ug/L			06/21/14 08:10	1
Chlorodibromomethane	<5.00		5.00		ug/L			06/21/14 08:10	1
Chloroethane	<4.00		4.00		ug/L			06/21/14 08:10	1
Chloroform	<1.00		1.00		ug/L			06/21/14 08:10	1
Chloromethane	<3.00		3.00		ug/L			06/21/14 08:10	1
2-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 08:10	1
4-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 08:10	1
1,2-Dibromo-3-Chloropropane	<10.0		10.0		ug/L			06/21/14 08:10	1
1,2-Dibromoethane (EDB)	<10.0		10.0		ug/L			06/21/14 08:10	1
Dibromomethane	<1.00		1.00		ug/L			06/21/14 08:10	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 08:10	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 08:10	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 08:10	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			06/21/14 08:10	1
1,1-Dichloroethane	<1.00		1.00		ug/L			06/21/14 08:10	1
1,2-Dichloroethane	<1.00		1.00		ug/L			06/21/14 08:10	1
1,1-Dichloroethene	<2.00		2.00		ug/L			06/21/14 08:10	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 08:10	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 08:10	1
1,2-Dichloropropane	<1.00		1.00		ug/L			06/21/14 08:10	1
1,3-Dichloropropane	<1.00		1.00		ug/L			06/21/14 08:10	1
2,2-Dichloropropane	<4.00		4.00		ug/L			06/21/14 08:10	1
1,1-Dichloropropene	<1.00		1.00		ug/L			06/21/14 08:10	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 08:10	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 08:10	1
Ethylbenzene	<1.00		1.00		ug/L			06/21/14 08:10	1
Hexachlorobutadiene	<5.00		5.00		ug/L			06/21/14 08:10	1
Hexane	<1.00		1.00		ug/L			06/21/14 08:10	1
Isopropylbenzene	<1.00		1.00		ug/L			06/21/14 08:10	1
p-Isopropyltoluene	<1.00		1.00		ug/L			06/21/14 08:10	1
Methylene Chloride	<5.00		5.00		ug/L			06/21/14 08:10	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			06/21/14 08:10	1
Naphthalene	<5.00		5.00		ug/L			06/21/14 08:10	1
N-Propylbenzene	<1.00		1.00		ug/L			06/21/14 08:10	1
Styrene	<1.00		1.00		ug/L			06/21/14 08:10	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 08:10	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 08:10	1

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: HCL Blank
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-14
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<1.00		1.00		ug/L			06/21/14 08:10	1
Toluene	<1.00		1.00		ug/L			06/21/14 08:10	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 08:10	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 08:10	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			06/21/14 08:10	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			06/21/14 08:10	1
Trichloroethene	<1.00		1.00		ug/L			06/21/14 08:10	1
Trichlorofluoromethane	<4.00		4.00		ug/L			06/21/14 08:10	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			06/21/14 08:10	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 08:10	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 08:10	1
Vinyl chloride	<1.00		1.00		ug/L			06/21/14 08:10	1
Xylenes, Total	<3.00		3.00		ug/L			06/21/14 08:10	1
Bromodichloromethane	<1.00		1.00		ug/L			06/21/14 08:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*75 - 110*		*06/21/14 08:10*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 120*		*06/21/14 08:10*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/21/14 08:10*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Ground Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-110)	(75-120)	(80-120)
310-32823-1	GP-1	103	108	100
310-32823-2	GP-2	101	109	97
310-32823-3	GP-3	97	107	100
310-32823-4	GP-4	97	112	99
310-32823-5	GP-5	98	108	99
310-32823-6	GP-6	104	107	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Soil — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(75-125)	(80-120)
310-32823-7	GP-1 7.5-8	93	95	98
310-32823-8	GP-2 7.5-8	93	94	99
310-32823-9	GP-3 6.5-7.5	94	94	100
310-32823-10	GP-4 6-7	93	91	100
310-32823-11	GP-5 6-7	91	92	98
310-32823-12	GP-6 6-7	95	91	101
310-32823-13	Meth Blank	93	92	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(75-125)	(80-120)
LCS 310-51459/2-A	Lab Control Sample	93	97	100
LCSD 310-51459/3-A	Lab Control Sample Dup	92	100	99
MB 310-51459/1-A	Method Blank	90	94	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-110)	(75-120)	(80-120)
310-32823-14	HCL Blank	101	107	97
LCS 310-52092/6	Lab Control Sample	100	106	99
LCS 310-52108/6	Lab Control Sample	95	111	98
MB 310-52092/5	Method Blank	102	106	100
MB 310-52108/5	Method Blank	104	107	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 310-51459/1-A
Matrix: Solid
Analysis Batch: 51461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51459

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<488		488		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Benzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Bromobenzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Bromochloromethane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Bromoform	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Bromomethane	<488		488		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
2-Butanone (MEK)	<244		244		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
n-Butylbenzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
sec-Butylbenzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
tert-Butylbenzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Carbon disulfide	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Carbon tetrachloride	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Chlorobenzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Chlorodibromomethane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Chloroethane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Chloroform	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Chloromethane	<244		244		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
2-Chlorotoluene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
4-Chlorotoluene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,2-Dibromo-3-Chloropropane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,2-Dibromoethane (EDB)	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Dibromomethane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,2-Dichlorobenzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,4-Dichlorobenzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,3-Dichlorobenzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Dichlorodifluoromethane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,1-Dichloroethane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,2-Dichloroethane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,1-Dichloroethene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
cis-1,2-Dichloroethene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
trans-1,2-Dichloroethene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,2-Dichloropropane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,3-Dichloropropane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
2,2-Dichloropropane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,1-Dichloropropene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
cis-1,3-Dichloropropene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
trans-1,3-Dichloropropene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Ethylbenzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Hexachlorobutadiene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Hexane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Isopropylbenzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
p-Isopropyltoluene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Methylene Chloride	<244		244		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Methyl tert-butyl ether	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Naphthalene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
N-Propylbenzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Styrene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,1,1,2-Tetrachloroethane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-51459/1-A
Matrix: Solid
Analysis Batch: 51461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51459

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Tetrachloroethene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Toluene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,2,3-Trichlorobenzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,2,4-Trichlorobenzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,1,1-Trichloroethane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,1,2-Trichloroethane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Trichloroethene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Trichlorofluoromethane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,2,3-Trichloropropane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,2,4-Trimethylbenzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
1,3,5-Trimethylbenzene	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Vinyl chloride	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Xylenes, Total	<146		146		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Bromodichloromethane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*	*06/15/14 10:13*	*06/15/14 12:49*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 125*	*06/15/14 10:13*	*06/15/14 12:49*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*06/15/14 10:13*	*06/15/14 12:49*	*1*

Lab Sample ID: LCS 310-51459/2-A
Matrix: Solid
Analysis Batch: 51461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 51459

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	1940	1603		ug/Kg		83	65 - 150
Benzene	970	991.9		ug/Kg		102	55 - 135
Bromobenzene	970	900.0		ug/Kg		93	65 - 125
Bromochloromethane	970	931.0		ug/Kg		96	65 - 130
Bromoform	970	840.2		ug/Kg		87	50 - 135
Bromomethane	970	1727	*	ug/Kg		178	45 - 135
2-Butanone (MEK)	1940	1590		ug/Kg		82	50 - 145
n-Butylbenzene	970	881.1		ug/Kg		91	55 - 130
sec-Butylbenzene	970	910.1		ug/Kg		94	60 - 125
tert-Butylbenzene	970	896.5		ug/Kg		92	55 - 125
Carbon disulfide	970	918.2		ug/Kg		95	40 - 135
Carbon tetrachloride	970	914.5		ug/Kg		94	55 - 130
Chlorobenzene	970	936.4		ug/Kg		97	60 - 120
Chlorodibromomethane	970	847.2		ug/Kg		87	55 - 130
Chloroethane	970	1825	*	ug/Kg		188	50 - 145
Chloroform	970	903.1		ug/Kg		93	65 - 130
Chloromethane	970	1003		ug/Kg		103	40 - 135
2-Chlorotoluene	970	934.0		ug/Kg		96	60 - 125
4-Chlorotoluene	970	939.4		ug/Kg		97	60 - 125
1,2-Dibromo-3-Chloropropane	970	789.5		ug/Kg		81	50 - 140
1,2-Dibromoethane (EDB)	970	864.8		ug/Kg		89	55 - 140
Dibromomethane	970	838.3		ug/Kg		86	65 - 135

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-51459/2-A
Matrix: Solid
Analysis Batch: 51461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 51459

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	970	900.0		ug/Kg		93	65 - 120
1,4-Dichlorobenzene	970	927.7		ug/Kg		96	60 - 125
1,3-Dichlorobenzene	970	902.7		ug/Kg		93	60 - 125
Dichlorodifluoromethane	970	933.3		ug/Kg		96	40 - 135
1,1-Dichloroethane	970	935.2		ug/Kg		96	55 - 135
1,2-Dichloroethane	970	841.3		ug/Kg		87	60 - 140
1,1-Dichloroethene	970	989.9		ug/Kg		102	50 - 145
cis-1,2-Dichloroethene	970	971.7		ug/Kg		100	60 - 135
trans-1,2-Dichloroethene	970	985.3		ug/Kg		102	55 - 135
1,2-Dichloropropane	970	914.7		ug/Kg		94	55 - 130
1,3-Dichloropropane	970	874.0		ug/Kg		90	55 - 140
2,2-Dichloropropane	970	888.5		ug/Kg		92	40 - 135
1,1-Dichloropropene	970	907.5		ug/Kg		94	55 - 130
cis-1,3-Dichloropropene	970	903.7		ug/Kg		93	50 - 115
trans-1,3-Dichloropropene	970	837.0		ug/Kg		86	55 - 130
Ethylbenzene	970	968.5		ug/Kg		100	60 - 125
Hexachlorobutadiene	970	950.0		ug/Kg		98	40 - 135
Hexane	970	886.1		ug/Kg		91	45 - 140
Isopropylbenzene	970	906.6		ug/Kg		94	60 - 125
p-Isopropyltoluene	970	904.4		ug/Kg		93	60 - 120
Methylene Chloride	970	910.9		ug/Kg		94	55 - 145
Methyl tert-butyl ether	970	906.6		ug/Kg		94	55 - 130
Naphthalene	970	875.3		ug/Kg		90	50 - 130
N-Propylbenzene	970	900.4		ug/Kg		93	50 - 125
Styrene	970	919.4		ug/Kg		95	60 - 125
1,1,1,2-Tetrachloroethane	970	864.4		ug/Kg		89	65 - 125
1,1,2,2-Tetrachloroethane	970	764.6		ug/Kg		79	60 - 125
Tetrachloroethene	970	965.7		ug/Kg		100	55 - 125
Toluene	970	1001		ug/Kg		103	60 - 130
1,2,3-Trichlorobenzene	970	859.6		ug/Kg		89	50 - 130
1,2,4-Trichlorobenzene	970	867.8		ug/Kg		90	45 - 135
1,1,1-Trichloroethane	970	906.0		ug/Kg		93	60 - 125
1,1,2-Trichloroethane	970	853.2		ug/Kg		88	55 - 135
Trichloroethene	970	943.0		ug/Kg		97	60 - 130
Trichlorofluoromethane	970	1109		ug/Kg		114	50 - 145
1,2,3-Trichloropropane	970	781.2		ug/Kg		81	50 - 145
1,2,4-Trimethylbenzene	970	909.3		ug/Kg		94	55 - 125
1,3,5-Trimethylbenzene	970	925.1		ug/Kg		95	50 - 130
Vinyl chloride	970	944.8		ug/Kg		97	45 - 140
Xylenes, Total	1940	1832		ug/Kg		94	50 - 130
Bromodichloromethane	970	868.2		ug/Kg		90	65 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 125*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-51459/3-A
Matrix: Solid
Analysis Batch: 51461

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 51459

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	1980	1707		ug/Kg		86	65 - 150	5	40
Benzene	989	1029		ug/Kg		104	55 - 135	4	25
Bromobenzene	989	941.0		ug/Kg		95	65 - 125	4	35
Bromochloromethane	989	1029		ug/Kg		104	65 - 130	10	35
Bromoform	989	794.3		ug/Kg		80	50 - 135	6	40
Bromomethane	989	1911	*	ug/Kg		193	45 - 135	10	40
2-Butanone (MEK)	1980	1628		ug/Kg		82	50 - 145	2	40
n-Butylbenzene	989	873.9		ug/Kg		88	55 - 130	1	30
sec-Butylbenzene	989	924.9		ug/Kg		94	60 - 125	2	30
tert-Butylbenzene	989	916.3		ug/Kg		93	55 - 125	2	25
Carbon disulfide	989	949.0		ug/Kg		96	40 - 135	3	40
Carbon tetrachloride	989	986.1		ug/Kg		100	55 - 130	8	30
Chlorobenzene	989	962.1		ug/Kg		97	60 - 120	3	30
Chlorodibromomethane	989	844.8		ug/Kg		85	55 - 130	0	40
Chloroethane	989	1821	*	ug/Kg		184	50 - 145	0	40
Chloroform	989	959.1		ug/Kg		97	65 - 130	5	30
Chloromethane	989	1028		ug/Kg		104	40 - 135	2	40
2-Chlorotoluene	989	940.4		ug/Kg		95	60 - 125	1	35
4-Chlorotoluene	989	952.6		ug/Kg		96	60 - 125	1	35
1,2-Dibromo-3-Chloropropane	989	733.7		ug/Kg		74	50 - 140	7	35
1,2-Dibromoethane (EDB)	989	885.6		ug/Kg		90	55 - 140	2	30
Dibromomethane	989	924.8		ug/Kg		94	65 - 135	10	30
1,2-Dichlorobenzene	989	920.9		ug/Kg		93	65 - 120	2	30
1,4-Dichlorobenzene	989	958.6		ug/Kg		97	60 - 125	3	30
1,3-Dichlorobenzene	989	934.8		ug/Kg		95	60 - 125	3	30
Dichlorodifluoromethane	989	959.0		ug/Kg		97	40 - 135	3	35
1,1-Dichloroethane	989	988.8		ug/Kg		100	55 - 135	6	40
1,2-Dichloroethane	989	895.3		ug/Kg		91	60 - 140	6	30
1,1-Dichloroethene	989	1045		ug/Kg		106	50 - 145	5	40
cis-1,2-Dichloroethene	989	1001		ug/Kg		101	60 - 135	3	40
trans-1,2-Dichloroethene	989	1041		ug/Kg		105	55 - 135	6	40
1,2-Dichloropropane	989	963.0		ug/Kg		97	55 - 130	5	30
1,3-Dichloropropane	989	912.1		ug/Kg		92	55 - 140	4	30
2,2-Dichloropropane	989	949.7		ug/Kg		96	40 - 135	7	45
1,1-Dichloropropene	989	959.6		ug/Kg		97	55 - 130	6	30
cis-1,3-Dichloropropene	989	955.2		ug/Kg		97	50 - 115	6	35
trans-1,3-Dichloropropene	989	865.7		ug/Kg		88	55 - 130	3	30
Ethylbenzene	989	992.9		ug/Kg		100	60 - 125	2	30
Hexachlorobutadiene	989	936.4		ug/Kg		95	40 - 135	1	35
Hexane	989	908.5		ug/Kg		92	45 - 140	2	35
Isopropylbenzene	989	940.7		ug/Kg		95	60 - 125	4	35
p-Isopropyltoluene	989	928.7		ug/Kg		94	60 - 120	3	30
Methylene Chloride	989	962.0		ug/Kg		97	55 - 145	5	40
Methyl tert-butyl ether	989	940.6		ug/Kg		95	55 - 130	4	30
Naphthalene	989	902.3		ug/Kg		91	50 - 130	3	30
N-Propylbenzene	989	938.2		ug/Kg		95	50 - 125	4	35
Styrene	989	956.4		ug/Kg		97	60 - 125	4	35
1,1,1,2-Tetrachloroethane	989	940.1		ug/Kg		95	65 - 125	8	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-51459/3-A
Matrix: Solid
Analysis Batch: 51461

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 51459

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	989	833.9		ug/Kg		84	60 - 125	9	35
Tetrachloroethene	989	988.6		ug/Kg		100	55 - 125	2	40
Toluene	989	1029		ug/Kg		104	60 - 130	3	35
1,2,3-Trichlorobenzene	989	887.7		ug/Kg		90	50 - 130	3	35
1,2,4-Trichlorobenzene	989	895.0		ug/Kg		91	45 - 135	3	35
1,1,1-Trichloroethane	989	937.7		ug/Kg		95	60 - 125	3	30
1,1,2-Trichloroethane	989	894.5		ug/Kg		90	55 - 135	5	30
Trichloroethene	989	975.4		ug/Kg		99	60 - 130	3	30
Trichlorofluoromethane	989	1145		ug/Kg		116	50 - 145	3	40
1,2,3-Trichloropropane	989	843.3		ug/Kg		85	50 - 145	8	35
1,2,4-Trimethylbenzene	989	950.9		ug/Kg		96	55 - 125	4	35
1,3,5-Trimethylbenzene	989	939.3		ug/Kg		95	50 - 130	2	35
Vinyl chloride	989	946.6		ug/Kg		96	45 - 140	0	40
Xylenes, Total	1980	1890		ug/Kg		96	50 - 130	3	30
Bromodichloromethane	989	896.5		ug/Kg		91	65 - 130	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*60 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 125*
Toluene-d8 (Surr)	*99*		*60 - 120*

Lab Sample ID: MB 310-52092/5
Matrix: Water
Analysis Batch: 52092

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0		ug/L			06/20/14 15:24	1
Benzene	<0.500		0.500		ug/L			06/20/14 15:24	1
Bromobenzene	<1.00		1.00		ug/L			06/20/14 15:24	1
Bromochloromethane	<5.00		5.00		ug/L			06/20/14 15:24	1
Bromoform	<5.00		5.00		ug/L			06/20/14 15:24	1
Bromomethane	<4.00		4.00		ug/L			06/20/14 15:24	1
2-Butanone (MEK)	<10.0		10.0		ug/L			06/20/14 15:24	1
n-Butylbenzene	<1.00		1.00		ug/L			06/20/14 15:24	1
sec-Butylbenzene	<1.00		1.00		ug/L			06/20/14 15:24	1
tert-Butylbenzene	<1.00		1.00		ug/L			06/20/14 15:24	1
Carbon disulfide	<1.00		1.00		ug/L			06/20/14 15:24	1
Carbon tetrachloride	<2.00		2.00		ug/L			06/20/14 15:24	1
Chlorobenzene	<1.00		1.00		ug/L			06/20/14 15:24	1
Chlorodibromomethane	<5.00		5.00		ug/L			06/20/14 15:24	1
Chloroethane	<4.00		4.00		ug/L			06/20/14 15:24	1
Chloroform	<1.00		1.00		ug/L			06/20/14 15:24	1
Chloromethane	<3.00		3.00		ug/L			06/20/14 15:24	1
2-Chlorotoluene	<1.00		1.00		ug/L			06/20/14 15:24	1
4-Chlorotoluene	<1.00		1.00		ug/L			06/20/14 15:24	1
1,2-Dibromo-3-Chloropropane	<10.0		10.0		ug/L			06/20/14 15:24	1
1,2-Dibromoethane (EDB)	<10.0		10.0		ug/L			06/20/14 15:24	1
Dibromomethane	<1.00		1.00		ug/L			06/20/14 15:24	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-52092/5
Matrix: Water
Analysis Batch: 52092

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<1.00		1.00		ug/L			06/20/14 15:24	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			06/20/14 15:24	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			06/20/14 15:24	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			06/20/14 15:24	1
1,1-Dichloroethane	<1.00		1.00		ug/L			06/20/14 15:24	1
1,2-Dichloroethane	<1.00		1.00		ug/L			06/20/14 15:24	1
1,1-Dichloroethene	<2.00		2.00		ug/L			06/20/14 15:24	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			06/20/14 15:24	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			06/20/14 15:24	1
1,2-Dichloropropane	<1.00		1.00		ug/L			06/20/14 15:24	1
1,3-Dichloropropane	<1.00		1.00		ug/L			06/20/14 15:24	1
2,2-Dichloropropane	<4.00		4.00		ug/L			06/20/14 15:24	1
1,1-Dichloropropene	<1.00		1.00		ug/L			06/20/14 15:24	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			06/20/14 15:24	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			06/20/14 15:24	1
Ethylbenzene	<1.00		1.00		ug/L			06/20/14 15:24	1
Hexachlorobutadiene	<5.00		5.00		ug/L			06/20/14 15:24	1
Hexane	<1.00		1.00		ug/L			06/20/14 15:24	1
Isopropylbenzene	<1.00		1.00		ug/L			06/20/14 15:24	1
p-Isopropyltoluene	<1.00		1.00		ug/L			06/20/14 15:24	1
Methylene Chloride	<5.00		5.00		ug/L			06/20/14 15:24	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			06/20/14 15:24	1
Naphthalene	<5.00		5.00		ug/L			06/20/14 15:24	1
N-Propylbenzene	<1.00		1.00		ug/L			06/20/14 15:24	1
Styrene	<1.00		1.00		ug/L			06/20/14 15:24	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			06/20/14 15:24	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			06/20/14 15:24	1
Tetrachloroethene	<1.00		1.00		ug/L			06/20/14 15:24	1
Toluene	<1.00		1.00		ug/L			06/20/14 15:24	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			06/20/14 15:24	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			06/20/14 15:24	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			06/20/14 15:24	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			06/20/14 15:24	1
Trichloroethene	<1.00		1.00		ug/L			06/20/14 15:24	1
Trichlorofluoromethane	<4.00		4.00		ug/L			06/20/14 15:24	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			06/20/14 15:24	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			06/20/14 15:24	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			06/20/14 15:24	1
Vinyl chloride	<1.00		1.00		ug/L			06/20/14 15:24	1
Xylenes, Total	<3.00		3.00		ug/L			06/20/14 15:24	1
Bromodichloromethane	<1.00		1.00		ug/L			06/20/14 15:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*75 - 110*		*06/20/14 15:24*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*06/20/14 15:24*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/20/14 15:24*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-52092/6
Matrix: Water
Analysis Batch: 52092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	38.25		ug/L		96	60 - 150
Benzene	20.0	16.34		ug/L		82	70 - 130
Bromobenzene	20.0	17.07		ug/L		85	75 - 130
Bromochloromethane	20.0	18.19		ug/L		91	65 - 145
Bromoform	20.0	17.02		ug/L		86	30 - 125
Bromomethane	20.0	18.55		ug/L		93	35 - 130
2-Butanone (MEK)	40.0	37.56		ug/L		94	55 - 140
n-Butylbenzene	20.0	16.42		ug/L		82	55 - 135
sec-Butylbenzene	20.0	16.68		ug/L		83	65 - 135
tert-Butylbenzene	20.0	16.66		ug/L		83	60 - 135
Carbon disulfide	20.0	16.08		ug/L		80	40 - 130
Carbon tetrachloride	20.0	19.02		ug/L		95	55 - 130
Chlorobenzene	20.0	16.85		ug/L		84	75 - 125
Chlorodibromomethane	20.0	16.89		ug/L		84	45 - 125
Chloroethane	20.0	17.85		ug/L		89	55 - 135
Chloroform	20.0	17.24		ug/L		86	70 - 125
Chloromethane	20.0	15.92		ug/L		80	30 - 125
2-Chlorotoluene	20.0	16.96		ug/L		85	75 - 135
4-Chlorotoluene	20.0	17.43		ug/L		87	70 - 140
1,2-Dibromo-3-Chloropropane	20.0	16.90		ug/L		85	35 - 130
1,2-Dibromoethane (EDB)	20.0	16.98		ug/L		85	70 - 135
Dibromomethane	20.0	17.31		ug/L		87	75 - 130
1,2-Dichlorobenzene	20.0	16.61		ug/L		83	65 - 135
1,4-Dichlorobenzene	20.0	16.44		ug/L		82	60 - 140
1,3-Dichlorobenzene	20.0	16.80		ug/L		84	70 - 130
Dichlorodifluoromethane	20.0	18.54		ug/L		93	35 - 130
1,1-Dichloroethane	20.0	16.70		ug/L		83	60 - 130
1,2-Dichloroethane	20.0	18.66		ug/L		93	65 - 140
1,1-Dichloroethene	20.0	17.65		ug/L		88	60 - 135
cis-1,2-Dichloroethene	20.0	17.40		ug/L		87	70 - 135
trans-1,2-Dichloroethene	20.0	17.03		ug/L		85	60 - 145
1,2-Dichloropropane	20.0	16.31		ug/L		82	65 - 130
1,3-Dichloropropane	20.0	17.24		ug/L		86	75 - 125
2,2-Dichloropropane	20.0	18.46		ug/L		92	25 - 120
1,1-Dichloropropene	20.0	16.10		ug/L		80	60 - 140
cis-1,3-Dichloropropene	20.0	16.89		ug/L		84	30 - 120
trans-1,3-Dichloropropene	20.0	15.39		ug/L		77	35 - 120
Ethylbenzene	20.0	17.12		ug/L		85	70 - 130
Hexachlorobutadiene	20.0	16.45		ug/L		82	60 - 135
Hexane	20.0	17.12		ug/L		85	40 - 135
Isopropylbenzene	20.0	17.17		ug/L		86	70 - 125
p-Isopropyltoluene	20.0	17.27		ug/L		86	60 - 140
Methylene Chloride	20.0	17.98		ug/L		90	55 - 145
Methyl tert-butyl ether	20.0	17.58		ug/L		88	50 - 135
Naphthalene	20.0	15.22		ug/L		76	40 - 135
N-Propylbenzene	20.0	17.29		ug/L		86	70 - 135
Styrene	20.0	17.44		ug/L		87	70 - 130
1,1,1,2-Tetrachloroethane	20.0	17.52		ug/L		88	65 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-52092/6
Matrix: Water
Analysis Batch: 52092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	20.0	16.26		ug/L		81	65 - 130
Tetrachloroethene	20.0	16.81		ug/L		84	70 - 135
Toluene	20.0	16.56		ug/L		83	70 - 135
1,2,3-Trichlorobenzene	20.0	16.04		ug/L		80	55 - 130
1,2,4-Trichlorobenzene	20.0	16.05		ug/L		80	40 - 135
1,1,1-Trichloroethane	20.0	16.78		ug/L		94	60 - 125
1,1,2-Trichloroethane	20.0	17.51		ug/L		88	75 - 125
Trichloroethene	20.0	16.72		ug/L		84	70 - 130
Trichlorofluoromethane	20.0	20.06		ug/L		100	55 - 145
1,2,3-Trichloropropane	20.0	16.67		ug/L		83	60 - 150
1,2,4-Trimethylbenzene	20.0	17.02		ug/L		85	70 - 140
1,3,5-Trimethylbenzene	20.0	17.36		ug/L		87	70 - 140
Vinyl chloride	20.0	16.79		ug/L		84	45 - 135
Xylenes, Total	40.0	33.19		ug/L		83	70 - 130
Bromodichloromethane	20.0	17.70		ug/L		89	60 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*75 - 110*
Dibromofluoromethane (Surr)	*106*		*75 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 310-52108/5
Matrix: Water
Analysis Batch: 52108

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0		ug/L			06/21/14 03:52	1
Benzene	<0.500		0.500		ug/L			06/21/14 03:52	1
Bromobenzene	<1.00		1.00		ug/L			06/21/14 03:52	1
Bromochloromethane	<5.00		5.00		ug/L			06/21/14 03:52	1
Bromoform	<5.00		5.00		ug/L			06/21/14 03:52	1
Bromomethane	<4.00		4.00		ug/L			06/21/14 03:52	1
2-Butanone (MEK)	<10.0		10.0		ug/L			06/21/14 03:52	1
n-Butylbenzene	<1.00		1.00		ug/L			06/21/14 03:52	1
sec-Butylbenzene	<1.00		1.00		ug/L			06/21/14 03:52	1
tert-Butylbenzene	<1.00		1.00		ug/L			06/21/14 03:52	1
Carbon disulfide	<1.00		1.00		ug/L			06/21/14 03:52	1
Carbon tetrachloride	<2.00		2.00		ug/L			06/21/14 03:52	1
Chlorobenzene	<1.00		1.00		ug/L			06/21/14 03:52	1
Chlorodibromomethane	<5.00		5.00		ug/L			06/21/14 03:52	1
Chloroethane	<4.00		4.00		ug/L			06/21/14 03:52	1
Chloroform	<1.00		1.00		ug/L			06/21/14 03:52	1
Chloromethane	<3.00		3.00		ug/L			06/21/14 03:52	1
2-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 03:52	1
4-Chlorotoluene	<1.00		1.00		ug/L			06/21/14 03:52	1
1,2-Dibromo-3-Chloropropane	<10.0		10.0		ug/L			06/21/14 03:52	1
1,2-Dibromoethane (EDB)	<10.0		10.0		ug/L			06/21/14 03:52	1
Dibromomethane	<1.00		1.00		ug/L			06/21/14 03:52	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-52108/5
Matrix: Water
Analysis Batch: 52108

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 03:52	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 03:52	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			06/21/14 03:52	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			06/21/14 03:52	1
1,1-Dichloroethane	<1.00		1.00		ug/L			06/21/14 03:52	1
1,2-Dichloroethane	<1.00		1.00		ug/L			06/21/14 03:52	1
1,1-Dichloroethene	<2.00		2.00		ug/L			06/21/14 03:52	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 03:52	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			06/21/14 03:52	1
1,2-Dichloropropane	<1.00		1.00		ug/L			06/21/14 03:52	1
1,3-Dichloropropane	<1.00		1.00		ug/L			06/21/14 03:52	1
2,2-Dichloropropane	<4.00		4.00		ug/L			06/21/14 03:52	1
1,1-Dichloropropene	<1.00		1.00		ug/L			06/21/14 03:52	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 03:52	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			06/21/14 03:52	1
Ethylbenzene	<1.00		1.00		ug/L			06/21/14 03:52	1
Hexachlorobutadiene	<5.00		5.00		ug/L			06/21/14 03:52	1
Hexane	<1.00		1.00		ug/L			06/21/14 03:52	1
Isopropylbenzene	<1.00		1.00		ug/L			06/21/14 03:52	1
p-Isopropyltoluene	<1.00		1.00		ug/L			06/21/14 03:52	1
Methylene Chloride	<5.00		5.00		ug/L			06/21/14 03:52	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			06/21/14 03:52	1
Naphthalene	<5.00		5.00		ug/L			06/21/14 03:52	1
N-Propylbenzene	<1.00		1.00		ug/L			06/21/14 03:52	1
Styrene	<1.00		1.00		ug/L			06/21/14 03:52	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 03:52	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			06/21/14 03:52	1
Tetrachloroethene	<1.00		1.00		ug/L			06/21/14 03:52	1
Toluene	<1.00		1.00		ug/L			06/21/14 03:52	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 03:52	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			06/21/14 03:52	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			06/21/14 03:52	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			06/21/14 03:52	1
Trichloroethene	<1.00		1.00		ug/L			06/21/14 03:52	1
Trichlorofluoromethane	<4.00		4.00		ug/L			06/21/14 03:52	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			06/21/14 03:52	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 03:52	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			06/21/14 03:52	1
Vinyl chloride	<1.00		1.00		ug/L			06/21/14 03:52	1
Xylenes, Total	<3.00		3.00		ug/L			06/21/14 03:52	1
Bromodichloromethane	<1.00		1.00		ug/L			06/21/14 03:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*75 - 110*		*06/21/14 03:52*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 120*		*06/21/14 03:52*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/21/14 03:52*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-52108/6
Matrix: Water
Analysis Batch: 52108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	40.00		ug/L		100	60 - 150
Benzene	20.0	16.53		ug/L		83	70 - 130
Bromobenzene	20.0	17.14		ug/L		86	75 - 130
Bromochloromethane	20.0	17.59		ug/L		88	65 - 145
Bromoform	20.0	17.97		ug/L		90	30 - 125
Bromomethane	20.0	19.57		ug/L		98	35 - 130
2-Butanone (MEK)	40.0	38.50		ug/L		96	55 - 140
n-Butylbenzene	20.0	15.67		ug/L		78	55 - 135
sec-Butylbenzene	20.0	16.87		ug/L		84	65 - 135
tert-Butylbenzene	20.0	16.74		ug/L		84	60 - 135
Carbon disulfide	20.0	16.12		ug/L		81	40 - 130
Carbon tetrachloride	20.0	18.64		ug/L		93	55 - 130
Chlorobenzene	20.0	17.26		ug/L		86	75 - 125
Chlorodibromomethane	20.0	17.80		ug/L		89	45 - 125
Chloroethane	20.0	18.17		ug/L		91	55 - 135
Chloroform	20.0	17.66		ug/L		88	70 - 125
Chloromethane	20.0	16.41		ug/L		82	30 - 125
2-Chlorotoluene	20.0	16.91		ug/L		85	75 - 135
4-Chlorotoluene	20.0	17.28		ug/L		86	70 - 140
1,2-Dibromo-3-Chloropropane	20.0	15.72		ug/L		79	35 - 130
1,2-Dibromoethane (EDB)	20.0	17.41		ug/L		87	70 - 135
Dibromomethane	20.0	17.92		ug/L		90	75 - 130
1,2-Dichlorobenzene	20.0	16.80		ug/L		84	65 - 135
1,4-Dichlorobenzene	20.0	16.35		ug/L		82	60 - 140
1,3-Dichlorobenzene	20.0	17.31		ug/L		87	70 - 130
Dichlorodifluoromethane	20.0	17.99		ug/L		90	35 - 130
1,1-Dichloroethane	20.0	17.11		ug/L		86	60 - 130
1,2-Dichloroethane	20.0	19.42		ug/L		97	65 - 140
1,1-Dichloroethene	20.0	17.34		ug/L		87	60 - 135
cis-1,2-Dichloroethene	20.0	17.40		ug/L		87	70 - 135
trans-1,2-Dichloroethene	20.0	16.88		ug/L		84	60 - 145
1,2-Dichloropropane	20.0	16.86		ug/L		84	65 - 130
1,3-Dichloropropane	20.0	17.43		ug/L		87	75 - 125
2,2-Dichloropropane	20.0	16.25		ug/L		81	25 - 120
1,1-Dichloropropene	20.0	16.52		ug/L		83	60 - 140
cis-1,3-Dichloropropene	20.0	16.65		ug/L		83	30 - 120
trans-1,3-Dichloropropene	20.0	15.39		ug/L		77	35 - 120
Ethylbenzene	20.0	16.89		ug/L		84	70 - 130
Hexachlorobutadiene	20.0	15.63		ug/L		78	60 - 135
Hexane	20.0	14.92		ug/L		75	40 - 135
Isopropylbenzene	20.0	17.11		ug/L		86	70 - 125
p-Isopropyltoluene	20.0	16.78		ug/L		84	60 - 140
Methylene Chloride	20.0	18.32		ug/L		92	55 - 145
Methyl tert-butyl ether	20.0	18.03		ug/L		90	50 - 135
Naphthalene	20.0	14.15		ug/L		71	40 - 135
N-Propylbenzene	20.0	17.28		ug/L		86	70 - 135
Styrene	20.0	17.62		ug/L		88	70 - 130
1,1,1,2-Tetrachloroethane	20.0	18.31		ug/L		92	65 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-52108/6
Matrix: Water
Analysis Batch: 52108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	20.0	16.80		ug/L		84	65 - 130
Tetrachloroethene	20.0	18.57		ug/L		93	70 - 135
Toluene	20.0	16.65		ug/L		83	70 - 135
1,2,3-Trichlorobenzene	20.0	15.53		ug/L		78	55 - 130
1,2,4-Trichlorobenzene	20.0	15.10		ug/L		76	40 - 135
1,1,1-Trichloroethane	20.0	18.71		ug/L		94	60 - 125
1,1,2-Trichloroethane	20.0	16.82		ug/L		84	75 - 125
Trichloroethene	20.0	16.23		ug/L		81	70 - 130
Trichlorofluoromethane	20.0	20.24		ug/L		101	55 - 145
1,2,3-Trichloropropane	20.0	17.24		ug/L		86	60 - 150
1,2,4-Trimethylbenzene	20.0	17.29		ug/L		86	70 - 140
1,3,5-Trimethylbenzene	20.0	17.61		ug/L		88	70 - 140
Vinyl chloride	20.0	16.80		ug/L		84	45 - 135
Xylenes, Total	40.0	33.65		ug/L		84	70 - 130
Bromodichloromethane	20.0	18.05		ug/L		90	60 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*75 - 110*
Dibromofluoromethane (Surr)	*111*		*75 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

GC/MS VOA

Prep Batch: 51459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-32823-7	GP-1 7.5-8	Total/NA	Soil	5035	
310-32823-8	GP-2 7.5-8	Total/NA	Soil	5035	
310-32823-9	GP-3 6.5-7.5	Total/NA	Soil	5035	
310-32823-10	GP-4 6-7	Total/NA	Soil	5035	
310-32823-11	GP-5 6-7	Total/NA	Soil	5035	
310-32823-12	GP-6 6-7	Total/NA	Soil	5035	
310-32823-13	Meth Blank	Total/NA	Soil	5035	
LCS 310-51459/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 310-51459/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 310-51459/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 51461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-32823-7	GP-1 7.5-8	Total/NA	Soil	8260B	51459
310-32823-8	GP-2 7.5-8	Total/NA	Soil	8260B	51459
310-32823-9	GP-3 6.5-7.5	Total/NA	Soil	8260B	51459
310-32823-10	GP-4 6-7	Total/NA	Soil	8260B	51459
310-32823-11	GP-5 6-7	Total/NA	Soil	8260B	51459
310-32823-12	GP-6 6-7	Total/NA	Soil	8260B	51459
310-32823-13	Meth Blank	Total/NA	Soil	8260B	51459
LCS 310-51459/2-A	Lab Control Sample	Total/NA	Solid	8260B	51459
LCSD 310-51459/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B	51459
MB 310-51459/1-A	Method Blank	Total/NA	Solid	8260B	51459

Analysis Batch: 52092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-32823-1	GP-1	Total/NA	Ground Water	8260B	
310-32823-2	GP-2	Total/NA	Ground Water	8260B	
LCS 310-52092/6	Lab Control Sample	Total/NA	Water	8260B	
MB 310-52092/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 52108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-32823-3	GP-3	Total/NA	Ground Water	8260B	
310-32823-4	GP-4	Total/NA	Ground Water	8260B	
310-32823-5	GP-5	Total/NA	Ground Water	8260B	
310-32823-6	GP-6	Total/NA	Ground Water	8260B	
310-32823-14	HCL Blank	Total/NA	Water	8260B	
LCS 310-52108/6	Lab Control Sample	Total/NA	Water	8260B	
MB 310-52108/5	Method Blank	Total/NA	Water	8260B	

General Chemistry

Analysis Batch: 51409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-32823-7	GP-1 7.5-8	Total/NA	Soil	Moisture	
310-32823-8	GP-2 7.5-8	Total/NA	Soil	Moisture	
310-32823-9	GP-3 6.5-7.5	Total/NA	Soil	Moisture	
310-32823-10	GP-4 6-7	Total/NA	Soil	Moisture	
310-32823-11	GP-5 6-7	Total/NA	Soil	Moisture	

General Chemistry (Continued)

Analysis Batch: 51409 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-32823-12	GP-6 6-7	Total/NA	Soil	Moisture	

Lab Chronicle

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-1
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	52092	06/21/14 01:17	SJN	TAL CF

Client Sample ID: GP-2
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	52092	06/21/14 01:43	SJN	TAL CF

Client Sample ID: GP-3
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	52108	06/21/14 06:26	SJN	TAL CF

Client Sample ID: GP-4
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	52108	06/21/14 06:52	SJN	TAL CF

Client Sample ID: GP-5
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	52108	06/21/14 07:18	SJN	TAL CF

Client Sample ID: GP-6
Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Lab Sample ID: 310-32823-6
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	52108	06/21/14 07:44	SJN	TAL CF

Lab Chronicle

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-1 7.5-8

Lab Sample ID: 310-32823-7
Matrix: Soil
Percent Solids: 86.3

Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			51459	06/15/14 10:13	TCH	TAL CF
Total/NA	Analysis	8260B		1	51461	06/15/14 19:23	TCH	TAL CF
Total/NA	Analysis	Moisture		1	51409	06/13/14 14:32	SAS	TAL CF

Client Sample ID: GP-2 7.5-8

Lab Sample ID: 310-32823-8
Matrix: Soil
Percent Solids: 84.2

Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			51459	06/15/14 10:13	TCH	TAL CF
Total/NA	Analysis	8260B		1	51461	06/15/14 19:54	TCH	TAL CF
Total/NA	Analysis	Moisture		1	51409	06/13/14 14:32	SAS	TAL CF

Client Sample ID: GP-3 6.5-7.5

Lab Sample ID: 310-32823-9
Matrix: Soil
Percent Solids: 82.9

Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			51459	06/15/14 10:13	TCH	TAL CF
Total/NA	Analysis	8260B		1	51461	06/15/14 20:24	TCH	TAL CF
Total/NA	Analysis	Moisture		1	51409	06/13/14 14:32	SAS	TAL CF

Client Sample ID: GP-4 6-7

Lab Sample ID: 310-32823-10
Matrix: Soil
Percent Solids: 92.4

Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			51459	06/15/14 10:13	TCH	TAL CF
Total/NA	Analysis	8260B		1	51461	06/15/14 20:54	TCH	TAL CF
Total/NA	Analysis	Moisture		1	51409	06/13/14 14:32	SAS	TAL CF

Client Sample ID: GP-5 6-7

Lab Sample ID: 310-32823-11
Matrix: Soil
Percent Solids: 77.8

Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			51459	06/15/14 10:13	TCH	TAL CF
Total/NA	Analysis	8260B		1	51461	06/15/14 21:25	TCH	TAL CF
Total/NA	Analysis	Moisture		1	51409	06/13/14 14:32	SAS	TAL CF

Lab Chronicle

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Client Sample ID: GP-6 6-7

Lab Sample ID: 310-32823-12
Matrix: Soil
Percent Solids: 81.5

Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			51459	06/15/14 10:13	TCH	TAL CF
Total/NA	Analysis	8260B		1	51461	06/15/14 21:55	TCH	TAL CF
Total/NA	Analysis	Moisture		1	51409	06/13/14 14:32	SAS	TAL CF

Client Sample ID: Meth Blank

Lab Sample ID: 310-32823-13
Matrix: Soil

Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			51459	06/15/14 10:13	TCH	TAL CF
Total/NA	Analysis	8260B		1	51461	06/15/14 14:50	TCH	TAL CF

Client Sample ID: HCL Blank

Lab Sample ID: 310-32823-14
Matrix: Water

Date Collected: 06/10/14 00:00
Date Received: 06/13/14 09:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	52108	06/21/14 08:10	SJN	TAL CF

Laboratory References:

TAL CF = TestAmerica Cedar Falls, 704 Enterprise Drive, Cedar Falls, IA 50613, TEL (319)277-2401

Certification Summary

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Laboratory: TestAmerica Cedar Falls

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
AIHA	IHLAP		101044	11-01-14
Illinois	NELAP	5	200024	11-29-14
Iowa	State Program	7	7	12-01-13 *
Kansas	NELAP	7	E-10341	01-31-15
Minnesota	NELAP	5	019-999-319	12-31-14
North Dakota	State Program	8	R-186	08-29-14
Oregon	NELAP	10	IA100001	09-29-14
Wisconsin	State Program	5	999917270	08-31-14

* Certification renewal pending - certification considered valid.

Method Summary

Client: Nova Consulting Group Inc
Project/Site: Delta Plaza - Escanaba, MI

TestAmerica Job ID: 310-32823-1
SDG: W14-0447

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CF
Moisture	Percent Moisture	EPA	TAL CF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CF = TestAmerica Cedar Falls, 704 Enterprise Drive, Cedar Falls, IA 50613, TEL (319)277-2401

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
704 Enterprise Drive • Cedar Falls, IA 50613
Tel 319-277-2401 • Fax 319-277-2425

TestAmerica Sample Receipt at Cedar Falls Facility

310-32823 Chain of Custody

Client: NOVA Project: Delta Plaza

City: _____ State: _____

Date: 6-13-14 Receiver's Initials: CA Time (Delivered): 9:12

Temperature Record:

Cooler ID# (If Applicable): A9604

Uncorrected Temp: 1.3 °C

Corrected Temp: 1.1 °C

Thermometer:

- [ ] IR "E" - 111531506
- [ ] IR "Front" - 61854108
- [ ] IR "G" - 130195822
- [X] IR "H" - 130195853
- [ ] Other:

Courier:

- [ ] UPS
- [X] FedEx
- [ ] FedEx Ground
- [ ] US Postal Service
- [ ] Spee-Dee
- [ ] TA Courier
- [ ] TA Field Services
- [ ] Client
- [ ] Other:

- [X] Temperature blank
- [ ] Temperature out of compliance

Coolant Record:

- [X] Received on ice
  - [X] Wet ice
  - [ ] Blue ice
  - [ ] Dry ice
  - [ ] Other:
- [ ] NONE

Exceptions Noted:

- [ ] Sample(s) not received in cooler
- [ ] Sample(s) received same day of sampling
  - [ ] Evidence of chilling process
- [ ] Temp blank <0°C, samples NOT FROZEN
- [ ] Temp blank <0°C, samples FROZEN
- [ ] Temperature not taken: *(indicate reason)*

_____

- [ ] Non-Conformance Report Started

Custody Seals:

Cooler Custody Seals Present? [X] Yes [ ] No

Cooler Custody Seals Intact? [X] Yes [ ] No [ ] N/A

Sample Custody Seals Present? [ ] Yes [X] No

Sample Custody Seals Intact? [ ] Yes [ ] No [X] N/A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613

Phone 319-277-2401 or 800-750-2401
Fax 319-277-2425

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring ____

Client Name: NOVA Client #: ____
Address: 1107 Hidden Ridge Blvd #400
City/State/Zip Code: Chaska MN 55318
Project Manager: Erin Halpaus
Email Address: ____
Telephone Number: 612-819-1125 Fax: ____
Sampler Name: (Print Name) Erin Halpaus
Sampler Signature: [signature]

Project Name: Delta Plaza
Project #: W14-0447
Site/Location ID: Escanaba State: MI
Report To: Erin Halpaus
Invoice To: ____
Quote #: ____ PO#: ____

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: ____
Fax Results: Y N
Email Results: (Y) N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify, Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: VOC	REMARKS
GP-1	6/10	AM	G	N	GW		2						✓	
GP-2							2						✓	
GP-3							2						✓	
GP-7							2						✓	
GP-8							2						✓	
GP-6					GW		2						✓	
GP-1 7.5-8					S					1	1		✓	
GP-2 7.5-8					S					1	1		✓	
GP-3 6.5-7.5					S					1	1		✓	
GP-4 6-7					S					1	1		✓	

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: ____

Special Instructions:

LABORATORY COMMENTS:

	Date:	Time:		Date:	Time:
Relinquished By: [signature]	6/12	10:15	Received By: [signature]	6/12/14	10:15
Relinquished By: [signature]	6/12/14	17:00	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: [signature]	6/13/14	9:12

TAL-0033 (0708)

Page ____ of ____

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6/24/2014

TestAmerica
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Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613

Phone 319-277-2401 or 800-750-2401
Fax 319-277-2425

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: NOVA Consulting Client #: _____
Address: 1107 Hazeltine Blvd #400
City/State/Zip Code: Chaska, MN 55318
Project Manager: Erin Halpaus
Telephone Number: 612-689-1125 Fax: _____
Sampler Name: (Print Name) Erin Halpaus
Sampler Signature: _____

Project Name: Delta Plaza
Project #: W14-0447
Site/Location ID: Excavation State: MN
Report To: _____
Invoice To: _____
Quote #: _____ PO#: _____

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N
Email Results: Y N

SAMPLE ID		Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: DW - Drinking Water, GW - Groundwater, WW - Wastewater, SL - Sludge, S - Soil/Solid, Specify, Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: VOC	QC Deliverables: None / Level 2 (Batch QC) / Level 3 / Level 4 / Other	REMARKS
GP-5	6-7	6/10	AM	G	N	S					1	1		✓		
GP-6	6-7	6/10	AM	G	N	S					1	1		✓		
MW-1	Blank										3			✓		
Trip	Blank								1							

Special Instructions:

LABORATORY COMMENTS:

	Date:	Time:		Date:	Time:
Relinquished By:	6/12	10:15	Received By:	6/12/14	10:15
Relinquished By:	6/12/14	1700	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	6/13/14	7:12

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Login Sample Receipt Checklist

Client: Nova Consulting Group

Job Number: 310-32823-1
SDG Number: W14-0447

List Source: TestAmerica Cedar Falls

Login Number: 32823
List Number: 1
Creator: Wilson, Cheryl L

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable	True	
Cooler Temperature is recorded	True	
COC is present.	True	
COC is filled out in ink and legible	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.		