

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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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 building 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 definition 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 roof and asbestos abatement.

The east outlot is being developed for a small business on the Lincoln Avenue corridor.

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

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 building 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 North and 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 said right-of-way line a distance of 550.48, thence north a distance of 361.0 feet, thence N 89° 58' W a distance of 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.N.W 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 said 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 S 0° 39' W along said 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 currently 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 Attachment 2, tetrachloroethylene was found in ground water under the Delta Plaza property in excess of MDEQ General Cleanup Criteria. Based on analytical 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 preparation 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) eligible 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		
Soil Gas Quality Testing	40,000	
Soil Gas Remediation, if required	100,000	
DEQ Eligible Activities Sub-Total	140,000	
Contingency (15 %)	21,000	
Phase I ESA	1,800	
Phase II ESA	20,000	
Baseline Environmental Assessment	2,100	
Asbestos Survey	7,950	
Due Care Plan	1,600	
Act 381 Plan	3,000	
Interest (Indicate %)	0.00	
DEQ Eligible Activities Total Costs	197,450	

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 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	50,000	
Subgrade Replacement	25,000	
Engineering, Surveying, Design	140,000	
MSF Eligible Activities Sub-Total	932,700	
Contingency (15 %)	139,905	
Interest (Indicate %)	0	
Combined Brownfield Plan Preparation		
Combined Brownfield Plan Implementation		
MSF Eligible Activities Total Costs	1,072,605	

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

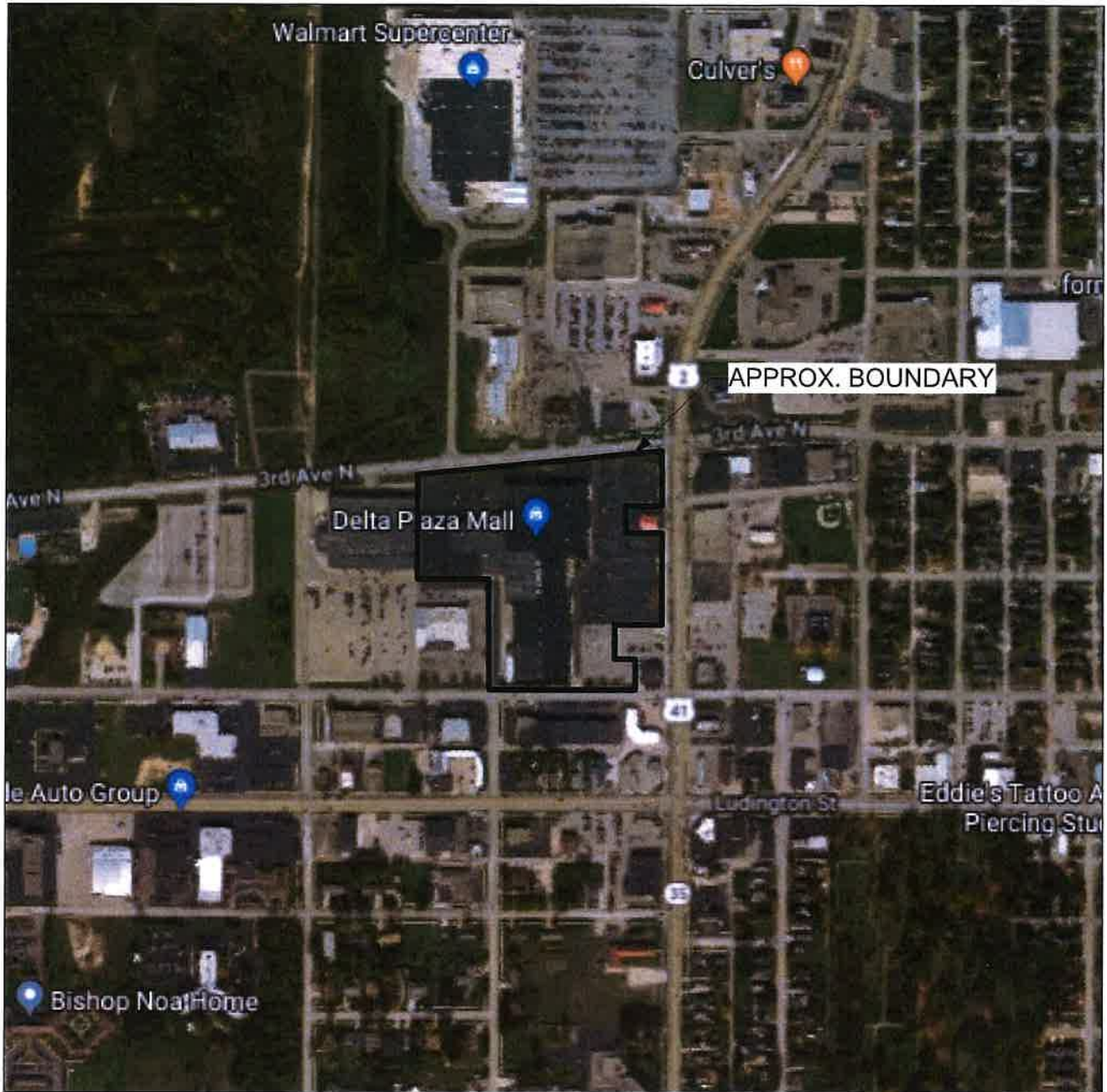


FIGURE 1

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: mtnengineering@chartermi.net

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

DATE: 09/06/2018

JOB NO: 180906

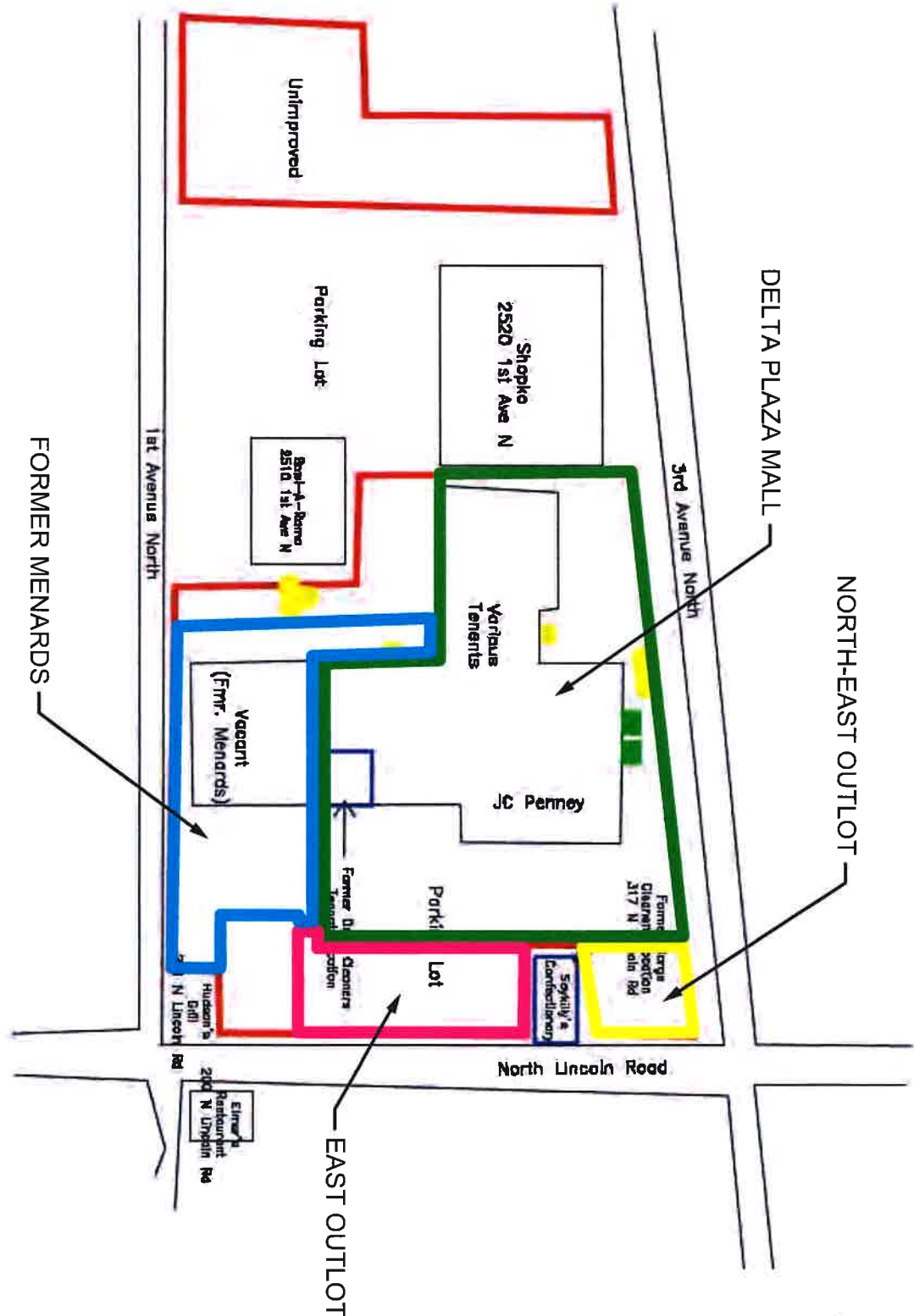
PROPERTY LOCATION
AERIAL

PAGE 1 OF 1

Figure 2

Eligible Property Map(s)

THE OWNER AGREES TO INDEMNIFY AND HOLD MOUNTAIN ENGINEERING, INC. HARMLESS FROM ANY DAMAGE, LIABILITY OR COST, INCLUDING ATTORNEY'S FEES AND COST OF DEFENSE ARISING FROM ANY CHANGES OR ALTERATIONS MADE BY ANYONE OTHER THAN MOUNTAIN ENGINEERING, INC., OR FROM ANY REUSE OF THE DRAWINGS AND DATA WITHOUT THE PRIOR WRITTEN CONSENT OF MOUNTAIN ENGINEERING, INC.



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

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

MOUNTAIN ENGINEERING, INC.
 329 Dorland Street Kingsford, Michigan 49802 Phone: (506) 775-5762 Fax: (800) 775-5769
 221 University Avenue, Suite 103 Williston, North Dakota 58801 Phone: (701) 609-5760 Email: mten@earthlink.net

Table 1

TIF Table (Tax Capture/Reimbursement Schedule)

Act 381 Work Plan
Delta Plaza Mall
Escanaba, Michigan

		Base Year	Year 1	2	3	4	5	6	7	8	9	10	11	12	13
Real Property		Taxable Value \$1,252,391	\$1,452,391	\$1,459,333	\$1,472,753	\$1,486,575	\$1,500,813	\$1,515,477	\$1,530,581	\$1,546,139	\$1,562,163	\$1,578,668	\$1,595,668	\$1,613,178	\$1,631,213
Capturable Taxable Value		\$1,252,391	\$200,000	\$206,942	\$220,362	\$234,184	\$248,422	\$263,086	\$278,190	\$293,748	\$309,772	\$326,277	\$343,277	\$360,787	\$378,822
Taxing Jurisdiction		mills levied	Taxes Paid on New Property Value												
County	5.03170	Captured	\$ 1,006	\$ 1,041	\$ 1,109	\$ 1,178	\$ 1,250	\$ 1,324	\$ 1,400	\$ 1,478	\$ 1,559	\$ 1,642	\$ 1,727	\$ 1,815	\$ 1,906
College	3.30760	Captured	\$ 662	\$ 684	\$ 729	\$ 775	\$ 822	\$ 870	\$ 920	\$ 972	\$ 1,025	\$ 1,079	\$ 1,135	\$ 1,193	\$ 1,253
City Op	17.00000	Captured	\$ 3,400	\$ 3,518	\$ 3,746	\$ 3,981	\$ 4,223	\$ 4,472	\$ 4,729	\$ 4,994	\$ 5,266	\$ 5,547	\$ 5,836	\$ 6,133	\$ 6,440
Recycling	0.30000	Captured	\$ 60	\$ 62	\$ 66	\$ 70	\$ 75	\$ 79	\$ 83	\$ 88	\$ 93	\$ 98	\$ 103	\$ 108	\$ 114
Sheriff	1.75175	Captured	\$ 350	\$ 363	\$ 386	\$ 410	\$ 435	\$ 461	\$ 487	\$ 515	\$ 543	\$ 572	\$ 601	\$ 632	\$ 664
Comm Act	0.60000	Captured	\$ 120	\$ 124	\$ 132	\$ 141	\$ 149	\$ 158	\$ 167	\$ 176	\$ 186	\$ 196	\$ 206	\$ 216	\$ 227
DATA	0.60000	Captured	\$ 120	\$ 124	\$ 132	\$ 141	\$ 149	\$ 158	\$ 167	\$ 176	\$ 186	\$ 196	\$ 206	\$ 216	\$ 227
Central Dispatch	0.20000	Captured	\$ 40	\$ 41	\$ 44	\$ 47	\$ 50	\$ 53	\$ 56	\$ 59	\$ 62	\$ 65	\$ 69	\$ 72	\$ 76
School Operating		Not Captured													
State Education Tax		Not Captured													
ISD		Not Captured													
Downtown Development		Not Captured													
Total Captured	28.79105		\$ 5,758	\$ 5,958	\$ 6,344	\$ 6,742	\$ 7,152	\$ 7,575	\$ 8,009	\$ 8,457	\$ 8,919	\$ 9,394	\$ 9,883	\$ 10,387	\$ 10,907
Expenses Remaining		\$1,270,055	\$1,264,297	\$1,258,339	\$1,251,994	\$1,245,252	\$1,238,100	\$1,230,525	\$1,222,516	\$1,214,058	\$1,205,140	\$1,195,746	\$1,185,863	\$1,175,475	\$1,164,568
Expenses Paid			\$5,758	\$5,958	\$6,344	\$6,742	\$7,152	\$7,575	\$8,009	\$8,457	\$8,919	\$9,394	\$9,883	\$10,387	\$10,907
Annual Debt Recovery															
Tax capture by CEBRA			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Eligible Environmental Expenses \$1,270,055

Act 381 Work Plan
Delta Plaza Mall
Escanaba, Michigan

		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Real Property		\$2,072,066	\$2,134,228	\$2,198,255	\$2,264,202	\$2,332,128	\$2,402,092	\$2,474,155	\$2,548,380	\$2,624,831	\$2,703,576	\$2,784,683	\$2,868,224	\$2,954,270	\$3,042,899	\$3,134,186	\$3,228,211	\$3,325,057
Capturable Taxable Value		\$819,675	\$881,837	\$945,864	\$1,011,811	\$1,079,737	\$1,149,701	\$1,221,764	\$1,295,989	\$1,372,440	\$1,451,185	\$1,532,292	\$1,615,833	\$1,701,879	\$1,790,508	\$1,881,795	\$1,975,820	\$2,072,666
Taxing Jurisdiction	mills levied																	
County	5.03170	\$ 4,124	\$ 4,437	\$ 4,759	\$ 5,091	\$ 5,433	\$ 5,785	\$ 6,148	\$ 6,521	\$ 6,906	\$ 7,302	\$ 7,710	\$ 8,130	\$ 8,563	\$ 9,009	\$ 9,469	\$ 9,942	\$ 10,429
College	3.30760	\$ 2,711	\$ 2,917	\$ 3,129	\$ 3,347	\$ 3,571	\$ 3,803	\$ 4,041	\$ 4,287	\$ 4,539	\$ 4,800	\$ 5,068	\$ 5,345	\$ 5,629	\$ 5,922	\$ 6,224	\$ 6,535	\$ 6,856
City Op	17.00000	\$ 13,934	\$ 14,991	\$ 16,080	\$ 17,201	\$ 18,356	\$ 19,545	\$ 20,770	\$ 22,032	\$ 23,331	\$ 24,670	\$ 26,049	\$ 27,469	\$ 28,932	\$ 30,439	\$ 31,991	\$ 33,589	\$ 35,235
Recycling	0.30000	\$ 246	\$ 265	\$ 284	\$ 304	\$ 324	\$ 345	\$ 367	\$ 389	\$ 412	\$ 435	\$ 460	\$ 485	\$ 511	\$ 537	\$ 565	\$ 593	\$ 622
Sheriff	1.75175	\$ 1,436	\$ 1,545	\$ 1,657	\$ 1,772	\$ 1,891	\$ 2,014	\$ 2,140	\$ 2,270	\$ 2,404	\$ 2,542	\$ 2,684	\$ 2,831	\$ 2,981	\$ 3,137	\$ 3,296	\$ 3,461	\$ 3,631
Comm Act	0.60000	\$ 492	\$ 529	\$ 568	\$ 607	\$ 648	\$ 690	\$ 733	\$ 778	\$ 823	\$ 871	\$ 919	\$ 969	\$ 1,021	\$ 1,074	\$ 1,129	\$ 1,185	\$ 1,244
DATA	0.60000	\$ 492	\$ 529	\$ 568	\$ 607	\$ 648	\$ 690	\$ 733	\$ 778	\$ 823	\$ 871	\$ 919	\$ 969	\$ 1,021	\$ 1,074	\$ 1,129	\$ 1,185	\$ 1,244
Central Dispatch	0.20000	\$ 164	\$ 176	\$ 189	\$ 202	\$ 216	\$ 230	\$ 244	\$ 259	\$ 274	\$ 290	\$ 306	\$ 323	\$ 340	\$ 358	\$ 376	\$ 395	\$ 415
School Operating																		
State Education Tax																		
ISD																		
Downtown Development																		
Total Captured	28.79105	\$ 23,599	\$ 25,389	\$ 27,232	\$ 29,131	\$ 31,087	\$ 33,101	\$ 35,176	\$ 37,313	\$ 39,514	\$ 41,781	\$ 44,116	\$ 46,522	\$ 48,999	\$ 51,551	\$ 54,179	\$ 56,886	\$ 59,674
Expenses Remaining		\$1,140,969	\$1,115,580	\$1,088,348	\$1,059,217	\$1,028,130	\$995,029	\$959,853	\$922,540	\$883,026	\$841,245	\$797,129	\$750,607	\$701,608	\$650,058	\$595,879	\$538,993	\$479,319
Expenses Paid		\$23,599	\$25,389	\$27,232	\$29,131	\$31,087	\$33,101	\$35,176	\$37,313	\$39,514	\$41,781	\$44,116	\$46,522	\$48,999	\$51,551	\$54,179	\$56,886	\$59,674
Annual Debt Recovery																		
Tax capture by CEBRA		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$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**



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

1. Site Topographic Map
2. Site Location Map
3. Soil Boring Location Map

APPENDICES

- A. Photographic Documentation
- B. Soil Boring/Temporary Well Logs
- C. Laboratory Analytical Reports
- D. Tier I Risk Based Screening Levels (Groundwater)

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:

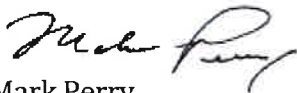


Eric Halpaus
Project Manager

Reviewed By:



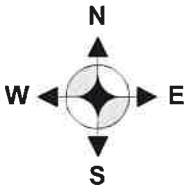
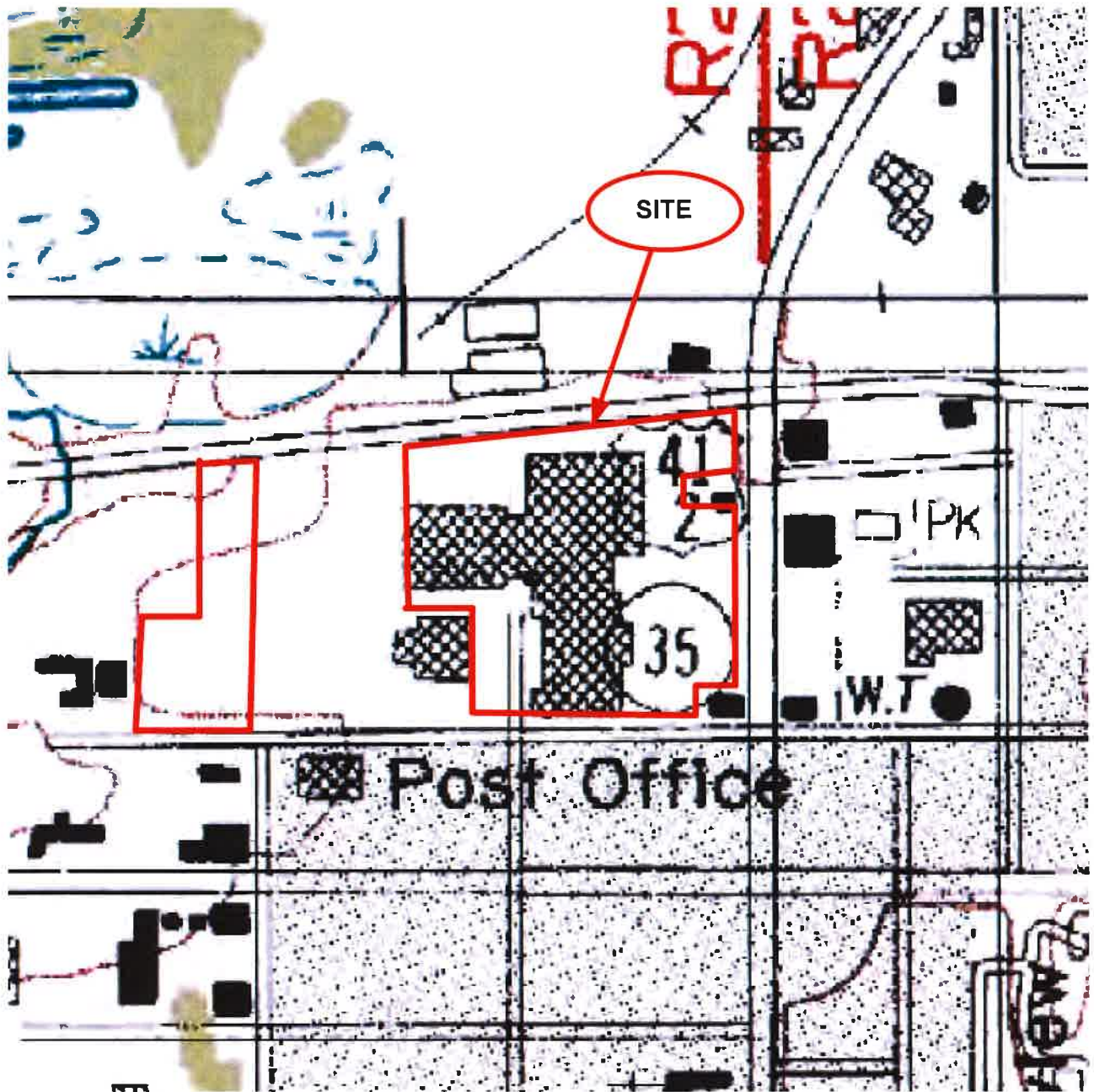
Michael D. Hayes
Phase II Leader / Hydrogeologist



Mark Perry
Vice President

FIGURE 1

SITE TOPOGRAPHIC MAP



SITE TOPOGRAPHIC MAP

Delta Square
301 North Lincoln Rd
Escanaba, MI 49829

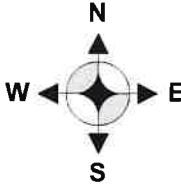
NOVA PROJ. # W14-0447



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



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



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

(Page 1 of 1)

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

Date Started : June 10, 2014
Drilling Company : Nova Consulting Group
Hole Diameter : 2.25 Inches
Drilling Method : Geoprobe 5400
Sampling Method : Geoprobe Macro Core 5

PID : Mini Rae 3000
PID Lamp : 10.6 eV
Temp Well Type : .75 Inch PVC
Weather : Sunny 60F.
Logged By : EWH

Limited Phase II Subsurface Investigation
Project # W14-0447

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0		ASPH			ASPHALT		
0.5		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							
12				ND			
					END OF BORING		

Well: GP-1

Riser

Screen

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



LOG OF BORING GP-2

(Page 1 of 1)

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

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

Limited Phase II Subsurface Investigation
Project # W14-0447

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0		ASPH			ASPHALT		
0.5		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)		ND				
8			SP				
9							
10			ND				
11							
11			ND				
12					END OF BORING		

Well: GP-2

Riser

Screen

07-01-2014 C:\Users\erichalpaus\Desktop\ACTIVE PROJECTS\Escanaba\GP-2.bor



LOG OF BORING GP-3

(Page 1 of 1)

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

Date Started : June 10, 2014
Drilling Company : Nova Consulting Group
Hole Diameter : 2.25 Inches
Drilling Method : Geoprobe 5400
Sampling Method : Geoprobe Macro Core 5

PID : Mini Rae 3000
PID Lamp : 10.6 eV
Temp Well Type : .75 Inch PVC
Weather : Sunny 60F.
Logged By : EWH

Limited Phase II Subsurface Investigation
Project # W14-0447

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

Well: GP-3

Riser

Screen

07-01-2014 C:\Users\erich\paus\Desktop\ACTIVE PROJECTS\Escanaba\GP-3 bor



LOG OF BORING GP-4

(Page 1 of 1)

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

Date Started : June 10, 2014
Drilling Company : Nova Consulting Group
Hole Diameter : 2.25 Inches
Drilling Method : Geoprobe 5400
Sampling Method : Geoprobe Macro Core 5

PID : Mini Rae 3000
PID Lamp : 10.6 eV
Temp Well Type : .75 Inch PVC
Weather : Sunny 60F.
Logged By : EWH

Limited Phase II Subsurface Investigation
Project # W14-0447

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0			ASPH		ASPHALT		
0.5			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

07-01-2014 C:\Users\erichalpaus\Desktop\ACTIVE PROJECTS\Escanaba\GP-4.bor



LOG OF BORING GP-5

(Page 1 of 1)

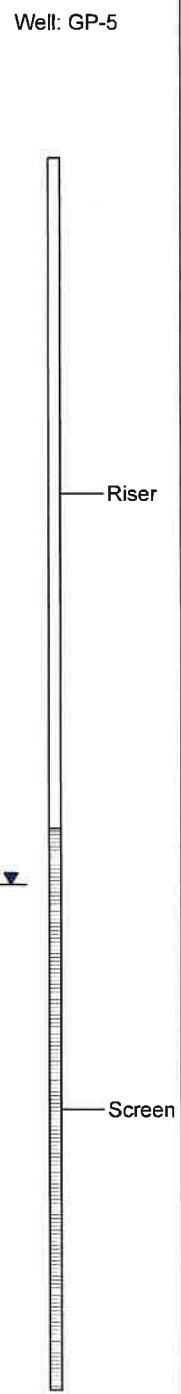
Former Dry Cleaners - Delta Square
301 North Lincoln Road
Escanaba, MI 49829

Date Started : June 10, 2014
Drilling Company : Nova Consulting Group
Hole Diameter : 2.25 Inches
Drilling Method : Geoprobe 5400
Sampling Method : Geoprobe Macro Core 5

PID : Mini Rae 3000
PID Lamp : 10.6 eV
Temp Well Type : .75 Inch PVC
Weather : Sunny 60F.
Logged By : EWH

Limited Phase II Subsurface Investigation
Project # W14-0447

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0		ASPH			ASPHALT		
0		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				
9							
10				ND			
11					END OF BORING		



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LOG OF BORING GP-6

(Page 1 of 1)

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

Date Started : June 10, 2014
Drilling Company : Nova Consulting Group
Hole Diameter : 2.25 Inches
Drilling Method : Geoprobe 5400
Sampling Method : Geoprobe Macro Core 5

PID : Mini Rae 3000
PID Lamp : 10.6 eV
Temp Well Type : .75 Inch PVC
Weather : Sunny 60F.
Logged By : EWH

Limited Phase II Subsurface Investigation
Project # W14-0447

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS	Well: GP-6
0			ASPH		ASPHALT			
0.5			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					
9				ND				
10				ND				
11					END OF BORING			

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

LINKS

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results through
Total Access

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The
Expert**

Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

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.

TestAmerica Cedar Falls

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.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Client Sample Results

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

Date Collected: 06/10/14 00:00

Matrix: Ground Water

Date Received: 06/13/14 09:12

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

TestAmerica Cedar Falls

Client Sample Results

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

Date Collected: 06/10/14 00:00

Matrix: Ground Water

Date Received: 06/13/14 09:12

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 Sample Results

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

TestAmerica Cedar Falls

Client Sample Results

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

Lab Sample ID: 310-32823-2

Date Collected: 06/10/14 00:00

Matrix: Ground Water

Date Received: 06/13/14 09:12

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 Sample Results

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

Lab Sample ID: 310-32823-3

Date Collected: 06/10/14 00:00

Matrix: Ground Water

Date Received: 06/13/14 09:12

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

TestAmerica Cedar Falls

Client Sample Results

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

Lab Sample ID: 310-32823-3

Date Collected: 06/10/14 00:00

Matrix: Ground Water

Date Received: 06/13/14 09:12

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 Results

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

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

Client Sample ID: GP-4

Lab Sample ID: 310-32823-4

Date Collected: 06/10/14 00:00

Matrix: Ground Water

Date Received: 06/13/14 09:12

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

TestAmerica Cedar Falls

Client Sample Results

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

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

Client Sample ID: GP-4

Lab Sample ID: 310-32823-4

Date Collected: 06/10/14 00:00

Matrix: Ground Water

Date Received: 06/13/14 09:12

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

TestAmerica Cedar Falls

Client Sample Results

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

Lab Sample ID: 310-32823-5

Date Collected: 06/10/14 00:00

Matrix: Ground Water

Date Received: 06/13/14 09:12

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

TestAmerica Cedar Falls



Client Sample Results

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

Lab Sample ID: 310-32823-5

Date Collected: 06/10/14 00:00

Matrix: Ground Water

Date Received: 06/13/14 09:12

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 Sample Results

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

Lab Sample ID: 310-32823-6

Date Collected: 06/10/14 00:00

Matrix: Ground Water

Date Received: 06/13/14 09:12

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

TestAmerica Cedar Falls

Client Sample Results

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

Lab Sample ID: 310-32823-6

Date Collected: 06/10/14 00:00

Matrix: Ground Water

Date Received: 06/13/14 09:12

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 Results

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

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

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

TestAmerica Cedar Falls

Client Sample Results

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

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

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 Sample Results

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

Lab Sample ID: 310-32823-8

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

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

TestAmerica Cedar Falls

Client Sample Results

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

Lab Sample ID: 310-32823-8

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

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 Sample Results

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

Lab Sample ID: 310-32823-9

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

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

TestAmerica Cedar Falls

Client Sample Results

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

Lab Sample ID: 310-32823-9

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

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 Results

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

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

Client Sample ID: GP-4 6-7

Lab Sample ID: 310-32823-10

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

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
1,1,1,2,2-Tetrachloroethane	<104		104		ug/Kg	☉	06/15/14 10:13	06/15/14 20:54	1

TestAmerica Cedar Falls

Client Sample Results

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

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

Client Sample ID: GP-4 6-7

Lab Sample ID: 310-32823-10

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

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 Results

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

Lab Sample ID: 310-32823-11

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

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

TestAmerica Cedar Falls



Client Sample Results

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

Lab Sample ID: 310-32823-11

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

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 Results

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

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

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

TestAmerica Cedar Falls



Client Sample Results

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

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

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 Results

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

Lab Sample ID: 310-32823-13

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

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
1,1,1,2,2-Tetrachloroethane	<100		100		ug/Kg		06/15/14 10:13	06/15/14 14:50	1

TestAmerica Cedar Falls

Client Sample Results

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

Lab Sample ID: 310-32823-13

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

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 Results

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

Date Collected: 06/10/14 00:00

Matrix: Water

Date Received: 06/13/14 09:12

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

TestAmerica Cedar Falls

Client Sample Results

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

Date Collected: 06/10/14 00:00

Matrix: Water

Date Received: 06/13/14 09:12

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



Definitions/Glossary

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

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



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.
α	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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (75-110)	DBFM (75-120)	TOL (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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (80-120)	DBFM (75-125)	TOL (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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (80-120)	DBFM (75-125)	TOL (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)

TestAmerica Cedar Falls

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (75-110)	DBFM (75-120)	TOL (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)



QC Sample Results

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)

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 MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

TestAmerica Cedar Falls



QC Sample Results

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) (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 MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2,2-Tetrachloroethane	<97.6		97.6		ug/Kg		06/15/14 10:13	06/15/14 12:49	1
Tetrachloroethane	<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 MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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	

TestAmerica Cedar Falls

QC Sample Results

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) (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	LCS	Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
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	
1,1,1,2,2-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 LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	93		80 - 120
Dibromofluoromethane (Surr)	97		75 - 125
Toluene-d8 (Surr)	100		80 - 120

TestAmerica Cedar Falls

QC Sample Results

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) (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	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Added	Result	Qualifier							
Acetone	1980	1707		ug/Kg		86	65 - 150	6	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	6	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	952.8		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	

TestAmerica Cedar Falls

QC Sample Results

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) (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.		RPD	
							Limits	RPD	RPD	Limit
1,1,2,2-Tetrachloroethane	989	833.9		ug/Kg		84	60 - 125	9	35	
Tetrachloroethane	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		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	92		80 - 120
Dibromofluoromethane (Surr)	100		75 - 125
Toluene-d8 (Surr)	99		80 - 120

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

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

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

TestAmerica Cedar Falls

QC Sample Results

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) (Continued)

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

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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
1,1,1,2,2-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 MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

TestAmerica Cedar Falls

QC Sample Results

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) (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	LCS	LCS	Unit	D	%Rec	%Rec. Limits
	Added	Result	Qualifier				
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		85	30 - 125
Bromomethane	20.0	18.55		ug/L		93	35 - 130
2-Butanone (MEK)	40.0	37.58		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		86	70 - 130
Hexachlorobutadiene	20.0	16.45		ug/L		82	60 - 135
Hexane	20.0	17.12		ug/L		86	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

TestAmerica Cedar Falls

QC Sample Results

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) (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	Limits
1,1,2,2-Tetrachloroethane	20.0	16.26		ug/L		81	65 - 130
Tetrachloroethane	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	18.78		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 LCS		Limits
	%Recovery	Qualifier	
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 MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

TestAmerica Cedar Falls

QC Sample Results

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) (Continued)

Lab Sample ID: MB 310-52108/5

Matrix: Water

Analysis Batch: 52108

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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 MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

TestAmerica Cedar Falls

QC Sample Results

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) (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	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				
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	17.28		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

TestAmerica Cedar Falls



QC Sample Results

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) (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	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				
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	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		75 - 110
Dibromofluoromethane (Surr)	111		75 - 120
Toluene-d8 (Surr)	98		80 - 120



QC Association Summary

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

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



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	

TestAmerica Cedar Falls

QC Association Summary

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

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

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	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

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

Lab Sample ID: 310-32823-1

Date Collected: 06/10/14 00:00

Matrix: Ground Water

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	52092	06/21/14 01:17	SJN	TAL CF

Client Sample ID: GP-2

Lab Sample ID: 310-32823-2

Date Collected: 06/10/14 00:00

Matrix: Ground Water

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	52092	06/21/14 01:43	SJN	TAL CF

Client Sample ID: GP-3

Lab Sample ID: 310-32823-3

Date Collected: 06/10/14 00:00

Matrix: Ground Water

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 06:26	SJN	TAL CF

Client Sample ID: GP-4

Lab Sample ID: 310-32823-4

Date Collected: 06/10/14 00:00

Matrix: Ground Water

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 06:52	SJN	TAL CF

Client Sample ID: GP-5

Lab Sample ID: 310-32823-5

Date Collected: 06/10/14 00:00

Matrix: Ground Water

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 07:18	SJN	TAL CF

Client Sample ID: GP-6

Lab Sample ID: 310-32823-6

Date Collected: 06/10/14 00:00

Matrix: Ground Water

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 07:44	SJN	TAL CF

TestAmerica Cedar Falls

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

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

Percent Solids: 86.3

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

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

Percent Solids: 84.2

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

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

Percent Solids: 82.9

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

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

Percent Solids: 92.4

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

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

Percent Solids: 77.8

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

TestAmerica Cedar Falls

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

Date Collected: 06/10/14 00:00

Matrix: Soil

Date Received: 06/13/14 09:12

Percent Solids: 81.5

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

Date Collected: 06/10/14 00:00

Matrix: Soil

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

Date Collected: 06/10/14 00:00

Matrix: Water

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	09-29-14
Oregon	NELAP	10	IA100001	09-29-14
Wisconsin	State Program	5	999917270	08-31-14

* Certification renewal pending - certification considered valid.

TestAmerica Cedar Falls



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:

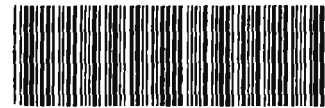
EPA = US Environmental Protection Agency

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





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)
AG64

Uncorrected Temp:
1.3 °C

Corrected Temp:
1.1 °C

Thermometer:

IR "E" - 111531506

IR "Front" - 61854108

IR "G" - 130195822

IR "H" - 130195853

Other: _____

Courier:

UPS TA Courier

FedEx TA Field Services

FedEx Ground Client

US Postal Service Other: _____

Spee-Dee

Temperature blank

Temperature out of compliance

Coolant Record:

Received on ice

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? Yes No

Cooler Custody Seals Intact? Yes No N/A

Sample Custody Seals Present? Yes No

Sample Custody Seals Intact? Yes No N/A

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

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

Client Name: NOVA Client #: 400
Address: 1107 Haveling Blvd
City/State/Zip Code: Chastota, MN 55318
Project Manager: Eric Halpors
Email Address: _____
Telephone Number: 612-819-1125 Fax: _____
Sampler Name: (Print Name) Eric Halpors
Sampler Signature: [Signature]

Project Name: Delta Plaza
Project #: W14-0447
Site/Location ID: Escanaba State: MI
Report To: Eric Halpors
Invoice To: _____
Quote #: _____ PO#: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	Preservation & # of Containers						Analyze For:	QC Deliverables	REMARKS	
						HNO ₃	HCl	NaOH	H ₂ SO ₄	Methanol	None				Other (Specify)
GP-1	6/10	AM 6	N	N	GW	2									
GP-2						2									
GP-3						2									
GP-4						2									
GP-5						2									
GP-6						2									
GP-7						2									
GP-8						2									
GP-9						2									
GP-10						2									
GP-11						2									
GP-12						2									
GP-13						2									
GP-14						2									

LABORATORY COMMENTS:

Relinquished By: [Signature] Date: 6/12 Time: 10:15
 Relinquished By: [Signature] Date: 6/12/14 Time: 10:15
 Relinquished By: [Signature] Date: 6/12/14 Time: 9:12

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

Client Name: NOVA Client #: 4900
Address: 1107 Haeveling Blvd
City/State/Zip Code: Escanaba MN 55318
Project Manager: Eric Helpert
Telephone Number: 612-891-1125
Sampler Name: Eric Helpert
Sampler Signature: [Signature]

Project Name: Delta Falls
Project #: W14-0447
Site/Location ID: Escanaba
Invoice To: Delta Falls
Quote #:

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

Date Needed	Fax Results: Y N	Email Results: Y N	SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix Preservation & # of Containers						Analyze For:	QC Deliverables	REMARKS
								SL - Sludge DW - Drinking Water	GW - Groundwater S - Soil/Solid	WW - Wastewater Specify Other	HNO ₃	HCl	NaOH			
			GP-5 6-7	6/10	AM	G										
			GP-5 6-7	6/10	AM	G										
			META Blank													
			Trip Blank													

LABORATORY COMMENTS:

Special instructions:

Relinquished By: [Signature] Date: 6/12/14 Time: 10:15
 Relinquished By: [Signature] Date: 6/24/14 Time: 12:15
 Relinquished By: [Signature] Date: 6/24/14 Time: 12:15
 Relinquished By: [Signature] Date: 6/24/14 Time: 12:15



TAL-0033 (0708)

Login Sample Receipt Checklist

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

Client: Nova Consulting Group

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 accept able .	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legib le .	True	
COC is filled out with all pertin ent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies betwe n the containers received and the COC.	True	
Samples are received within Hold ing Time.	True	
Sample containers have legible labels .	True	
Containers are not broken or leak y .	True	
Sample collection date/times are provided .	True	
Appropriate sample containers used .	True	
Sample bottles are completely full .	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requ ired analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headsp ace 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.		