

**SITE INVESTIGATION REPORT**

Como Oil & Propane – Fagerlin Facility  
1124 North 6<sup>th</sup> Street  
Superior, WI 54880

**BRRTs #02-16-577207 : FID# 816047980**  
**ET Project No. 17-0205**

*August 2, 2017*

**Prepared by:**  
**Environmental Troubleshooters, Inc.**  
**3825 Grand Avenue**  
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- 1 PHASE I DUE DILIGENCE ELEMENTS

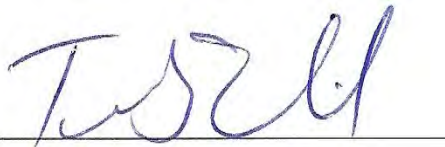
## 1.0 EXECUTIVE SUMMARY

Environmental Troubleshooters, Inc. (ET) has completed the site investigation for the Como Oil & Propane Fagerlin Facility (BRRTs No. 02-16-577207) at 1124 North 6<sup>th</sup> Street in Superior, Wisconsin. The subject site consists of three Douglas County Wisconsin parcels, including; 038030127300, 038030125300, and 038030207000. Contamination was observed at the site during drilling of Phase II Environmental Site Assessment (ESA) borings.

The site investigation included five push probe and one hand auger soil borings. Soil and groundwater samples were analyzed to determine the nature, degree and extent of contamination. The following is a summary of findings and recommendations:

- The site has been a fueling facility since prior to 1930.
- Site geology consists predominantly of engineered sand and gravel fill over native silty / sandy clay to the maximum drilled depth of 12 feet below ground surface (bgs).
- Perched groundwater was encountered in only one push probe boring located in the tank basin fill area.
- Contamination at the site consists of predominantly polynuclear aromatic hydrocarbon (PAHs), although volatile organic compounds (VOCs) analysis yielded trace levels of toluene in two soil boring samples.
- PAHs exceed NR720 industrial residual contaminant levels (I-RCLs) in the soil sample from a single boring located at the property boundary on the 6<sup>th</sup> Street boulevard.
- Groundwater protective action limits (PALs) were not exceeded in the single boring which yielded adequate groundwater for sampling. There are no on-site wells or drinking well receptors within 1,500 feet of the site.
- The site is an operating bulk fueling facility that regularly uses petroleum products.
- It is unknown if the PAH contamination is attributable to historic site run-off or filling and street work by the City of Superior over the past century.
- Soil contamination poses a limited direct contact risk to site personnel and the public.
- Soil and groundwater contamination have been adequately delineated to request conditional closure with GIS registration.
- Based on the limited risk posed by contaminants, which may not be attributable to site operations, no additional investigation is recommended.

“I, Tom Muhich, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.”



Tom Muhich, PG, CHMM (Reviewer)

August 2, 2017

Date

“I, John McCarthy, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.”



John McCarthy, CHMM (Author)  
Project Manager  
[jmccarthy@etsmn.com](mailto:jmccarthy@etsmn.com)

August 2, 2017  
Date

## **2.0 INTRODUCTION/SITE DESCRIPTION**

The Como Oil & Propane (Como) Fagerlin facility is located at 1124 North 6<sup>th</sup> Street in Superior, Wisconsin. The 0.6-acre Fagerlin facility is located in the southeast ¼ of the northwest ¼ of Section 14, T49N, R14W, in Douglas County, Wisconsin. The subject site consists of three parcels, including; 038030127300, 038030125300 and 038030207000. The site is an active bulk fueling facility with two 15,000-gallon fuel oil underground storage tanks (USTs), associated fueling rack and ancillary storage buildings. Figure 1 depicts the site location on a topographic map. Figure 2 depicts the facility on a recent aerial photograph.

In 2015, Thompson Gas dba Como Oil and Propane (Como) began acquisition proceedings for this and multiple other regional bulk propane and fuel storage plants. Como contracted ET to conduct varying levels of due diligence, from limited table top reviews to full Phase I ESAs. Elements included in the transaction screen included a database search, historic aerial photographs, topographic maps and city directories. Copies of this information is included in Attachment 1.

As the Fagerlin facility was an active bulk petroleum storage facility, only limited Phase I review was needed to determine that limited Phase II ESA sampling was warranted. ET performed a single sampling event and prepared this site investigation report (SI) report in accordance with NR716.

The purpose of the SI was to define and characterize the contaminants, hydrogeology and receptors at the site. The SI was conducted on behalf of: TGas Real Estate Holdings, 5260 Westview Drive, Suite 200, Frederick, MD 21703. Attn: Mr. Scott Miller, [smiller@thompsongas.com](mailto:smiller@thompsongas.com). The responsible party (i.e. the seller) is Diversified Enterprises, LLC., 123 South Ashland Street, Cambridge, MN 55008. Attn: Thomas Satrom, [satrom@parktersatromlaw.com](mailto:satrom@parktersatromlaw.com), (763) 689-3000.

### **3.0 CHRONOLOGY OF ENVIRONMENTAL ACTIVITIES**

- 1996-1999 Former Site Investigation (BRRTS#02-16-110461). Closed March 1, 1999.
- August 6, 2015: ET oversees drilling of five push-probes and one hand auger soil boring as part of a Phase II ESA during sale of the property.

### **4.0 GEOLOGY AND HYDROGEOLOGY**

ET drilled five soil borings to 12 feet bgs and one hand auger boring to 4 feet bgs. Site geology consists predominantly of one to two feet of engineered sand and gravel fill over native silty / sandy clay to the maximum drilled depth of 12 feet below ground surface (bgs), except in borings which were drilled within / adjacent to the UST tank basin. These borings encountered only loose silty sand below the more gravelly surface material. Soil conditions were moist, but no saturated conditions were encountered, except within the tank basin fill. Based on other proximal borings, the groundwater appears to be perched in the tank basin and surrounded by native silty / sandy clay.

Native site soils consist of reddish, unbedded, unsorted sandy silt and clay with scattered pebbles, cobbles, and boulders. Surface boulders are generally present, but uncommon (Pleistocene Geology of the Superior Region, Wisconsin, Clayton, 1984). Site soil types identified during drilling activities included red, dense clay, consistent with regionally mapped deposits.

Hydrogeology consists of localized water bearing silt and sand lenses within the low permeability clay (Water Resources of Wisconsin Lake Superior Basin, Young and Skinner, 1974). Utilization of the water table aquifer, outside of industrial settings, is not common and does not occur at the site. The site is serviced by the City of Superior municipal water supply, which is drawn from Lake Superior.

### **5.0 CONTAMINANT RECEPTORS**

The nearest surface water body is Howards Bay of the St. Louis River, located approximately 2,500 feet northeast of the site. No other sensitive ecosystems or habitats, and no federally listed endangered species have been identified in proximity to the spill site.

There are no known potable or industrial extraction wells located on site. According to the Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP) well constructors database there are no residential potable wells within 1500 feet of the spill area. The low level concentrations and recalcitrant nature of the detected PAHs do not pose an off-site risk to the wells.

The bulk fuel storage site lies in a mixed single-family / multi-family residential neighborhood of Superior. The highest contaminant concentrations were detected in boring GP-4 located at the north property boundary near the south sidewalk of North 6<sup>th</sup> Street. The PAHs may be attributable to anthropogenic sources such as historic boulevard fill or proximal paving work. No background samples were collected away

from the site, but on-site PAH contaminant concentrations were less than GP-4. The nearest residence is approximately 80 feet from GP-4 across North 6<sup>th</sup> Street.

ET does not anticipate conducting a vapor intrusion investigation based on the non-volatile nature of the contaminants and the low levels of VOCs documented in laboratory reports.

## **6.0 SOIL & GROUNDWATER CONTAMINANT INVESTIGATION**

The purpose of the soil contaminant investigation was to assess for the presence of contamination and determine whether additional investigation was warranted at the site.

ET directed the drilling of five push-probes (GP-1 through GP-5) and one hand auger soil boring (HA-1). Borings GP-1, GP-3, GP-4 and GP-5 were drilled around the four peripheral directions of the UST basin and fueling dock. Boring GP-2 was drilled adjacent to a small outbuilding which appeared to store petroleum products. Hand auger HA-1 was completed near an ancillary system piece of equipment where surface staining was observed during the site walk. Figure 2 depicts the boring locations relative to the tank basin, fueling dock and petroleum storage building. Figure 3 depicts the soil benzo(a) pyrene concentrations. Figures 4, 5a and 5b depict the cross-section transects, cross-sections A-A' and B-B', respectively. Table 1 summarizes the photoionization detector (PID) readings recorded during boring completion. Tables 2 and 3 summarize the soil and groundwater analytical results, respectively. Appendix A includes copies of the soil push probe boring logs and sealing records. Appendix B includes copies of the laboratory analytical reports. A summary of the investigative findings is presented below.

Soil samples were collected continuously to log lithology and screened at two foot intervals with a PID. Samples that yielded the highest PID readings were analyzed for gasoline range organics (GRO), VOCs and PAHs. A copy of the laboratory analytical report is attached. Environmental Protection Agency (EPA) Risk tables were completed for each soil sample and are included in Appendix C. The following is a summary of the results:

- GRO concentrations ranged from <2.2 to 25.5 milligrams per kilogram (mg/kg) in boring GP-4. There is not an established non-industrial residual contaminant level (NI-RCL) or industrial residual contaminant level (I-RCL) for GRO and no additional assessment is recommended.
- VOC concentrations were all below method detection limits (MDLs), except 0.3 mg/kg and 0.391 mg/kg toluene and borings GP-3 and GP-4, respectively. All samples are below the NI-RCLs. MDLs nominally exceeded the individual compound NI-RCLs for 1,2-dibromo-3-chloropropane and 1,2,3-trichloropropane in all soil samples.
- PAH concentrations were all below NI-RCLs, except benzo(a)pyrene in boring GP-4 which yielded 0.419 mg/kg vs the NI-RCL of 0.115 mg/kg. This concentration is below the I-RCL of 2.11 mg/kg.

Groundwater was present only in push-probe boring GP-3. The water sample collected from the boring was analyzed for GRO, VOCs and PAHs. Groundwater laboratory analytical data is included in the soil laboratory report noted above. The following is a summary of the results:

- GRO was not detected above the MDL of 18 ug/L.
- VOC concentrations were all below MDLs, although a trace of toluene was reported between the MDL and method quantitation limit (MQL). All sample results are below the preventive action limits (PALs), except where MDLs exceeded the individual compound PALs, including bromodichloromethane, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, 1,3-dichloropropane, methylene chloride, 1,1,2,2-tetrachloroethene and vinyl chloride.
- PAH concentrations were detected between the MDL and MQL. All concentrations were below PALs, where established.

## **7.0 CONCLUSIONS/JUSTIFICATION FOR CLOSURE**

The specific source for the PAH contamination at the site was not identified, although it is equally likely that it is due to municipal filling and sidewalk / street development as it is site operations.

- Site geology consists predominantly of sand and gravel fill overlying an extensive clay till unit.
- PAH concentrations in soil are below NI-RCLs.
- Groundwater contamination does not exceed NR140 PALs. The impacted shallow groundwater appears to be perched and confined to the tank basin fill materials.
- Review of available potable well records, identified no domestic or municipal wells located within 1,500 feet of the site.

Based on the site data, only limited potential risk is posed by contamination identified at the property and no additional investigation or corrective action are recommended.

## **8.0 LIST OF PREVIOUS REPORTS**

- Former reports prepared under BRRTS #02-16-110461 were not reviewed as part of this report.

## **9.0 REFERENCES**

- Copies of property deeds are included in Appendix D with a map from the Douglas County GIS parcel mapping system.
- Pleistocene Geology of the Superior Region, Wisconsin, Clayton, 1984.
- Water Resources of Wisconsin Lake Superior Basin, Young and Skinner, 1974.

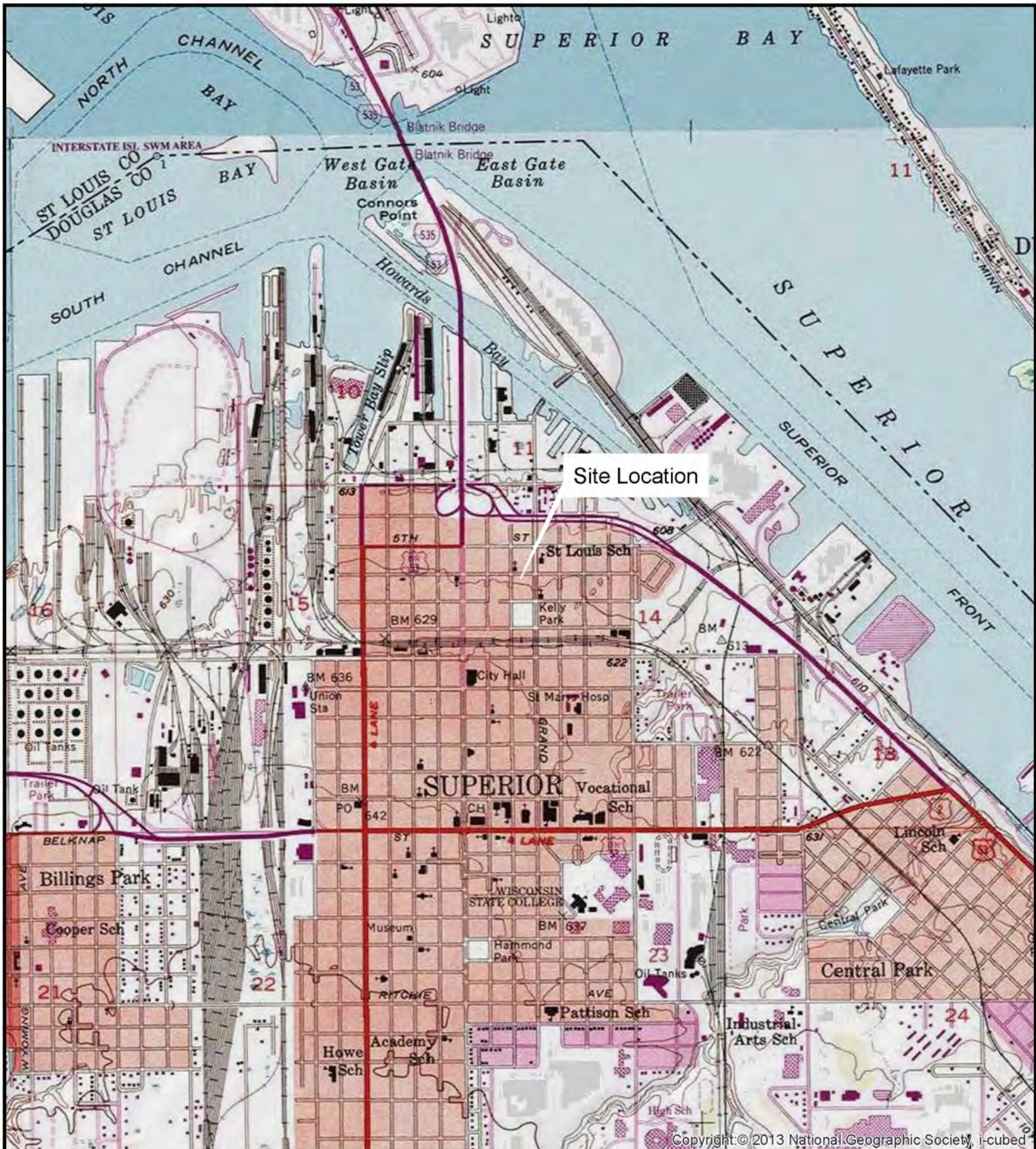
## **10.0 CERTIFICATION / SIGNATURES**

This Site Investigation Report has been prepared in accordance with generally accepted engineering and hydrogeologic principles and practices of this time and location. Interpretations and recommendations in this report are based on available data, and additional data may result in revised interpretations and recommendations. This report is

intended for use by the client and ET for its intended purpose only at the time of preparation. The report may be unsuitable for other uses, and reliance on its contents by anyone other than the client is done at the sole risk of the user. ET accepts no responsibility for application or interpretation of the results by anyone other than the client. Pursuant to Section 716.15(2)(b), required signatures and related certifications are included in Section 1.0.



## FIGURES



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SCALE: 1/24000  
1 inch = 2,000 feet

Source: USGS 7 1/2' Quadrangle Map

**FIGURE 1**  
**Site Location**

**Superior Oil Plant**  
**Superior, Wisconsin**

PROJECT #: 15-0603

DATE: 08/06/2015 | CREATED BY: CGIS

FILE NAME: //GIS/2015 Projects/15-0806  
/Projects/Figure1







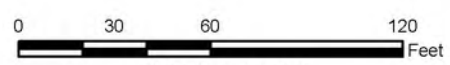
N 6th St

UST Basin  
 Fuel Truck Loading Area  
 GP-4  
 GP-3  
 HA-1  
 GP-5  
 GP-2  
 GP-1

Baxter Ave

Grand Ave

-  Boring Location
-  Parcel Boundary



SCALE: 1:720  
 1 inch = 60 feet

Image Source: 2013 Douglas County Aerial Photography.



**FIGURE 2**  
 Site Plan

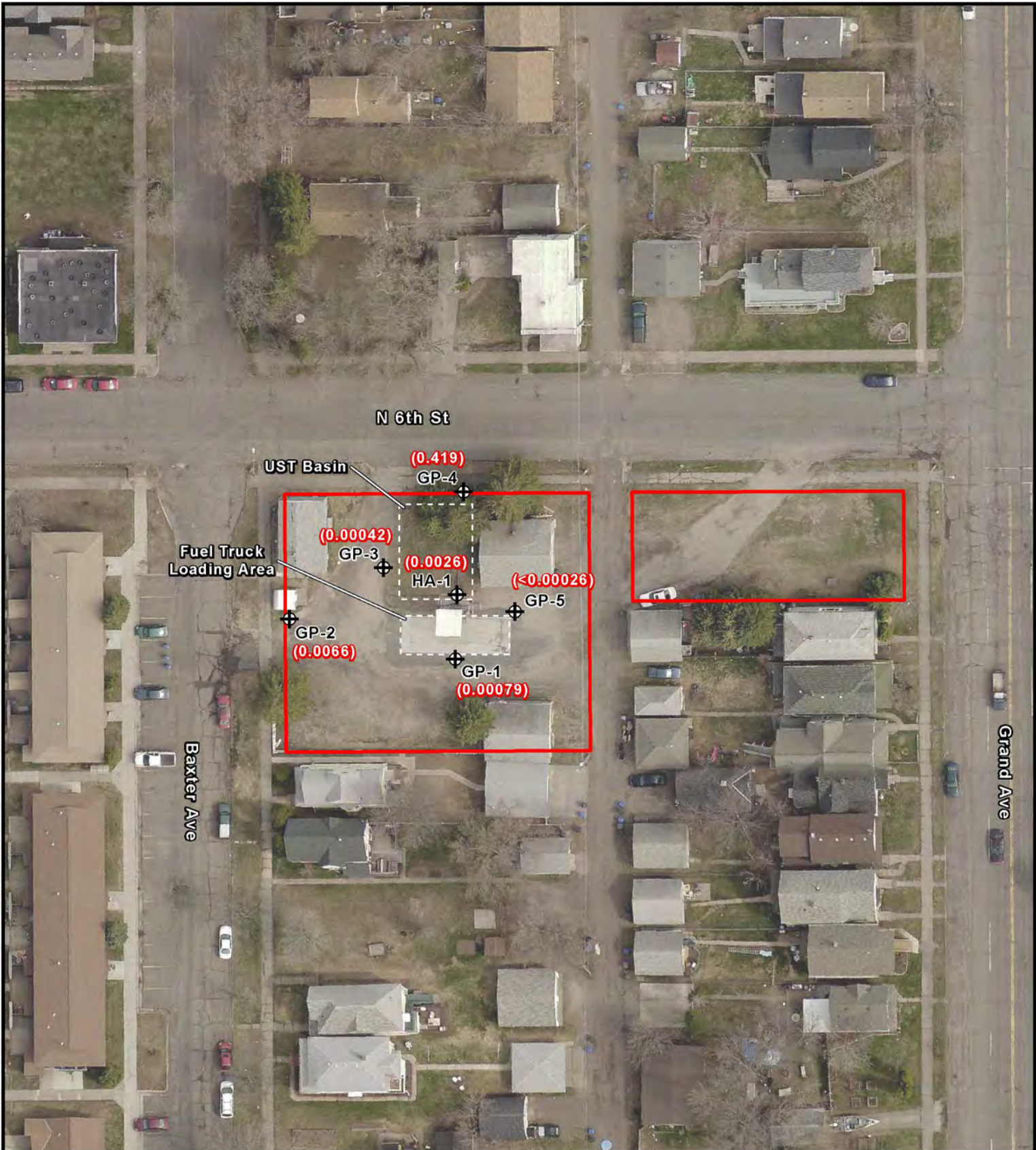
Como Oil - Fagerlin Fuel  
 Superior, Wisconsin

PROJECT #: 15-0603

DATE: 08/06/2015 CREATED BY: CGIS

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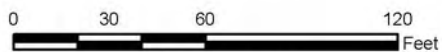




⊕ Boring Location

▭ Parcel Boundary

(0.419) Benzo(a)pyrene Concentration in mg/kg



SCALE: 1:720  
1 inch = 60 feet

Image Source: 2013 Douglas County Aerial Photography.



**FIGURE 3**  
Benzo(a)pyrene in Soil

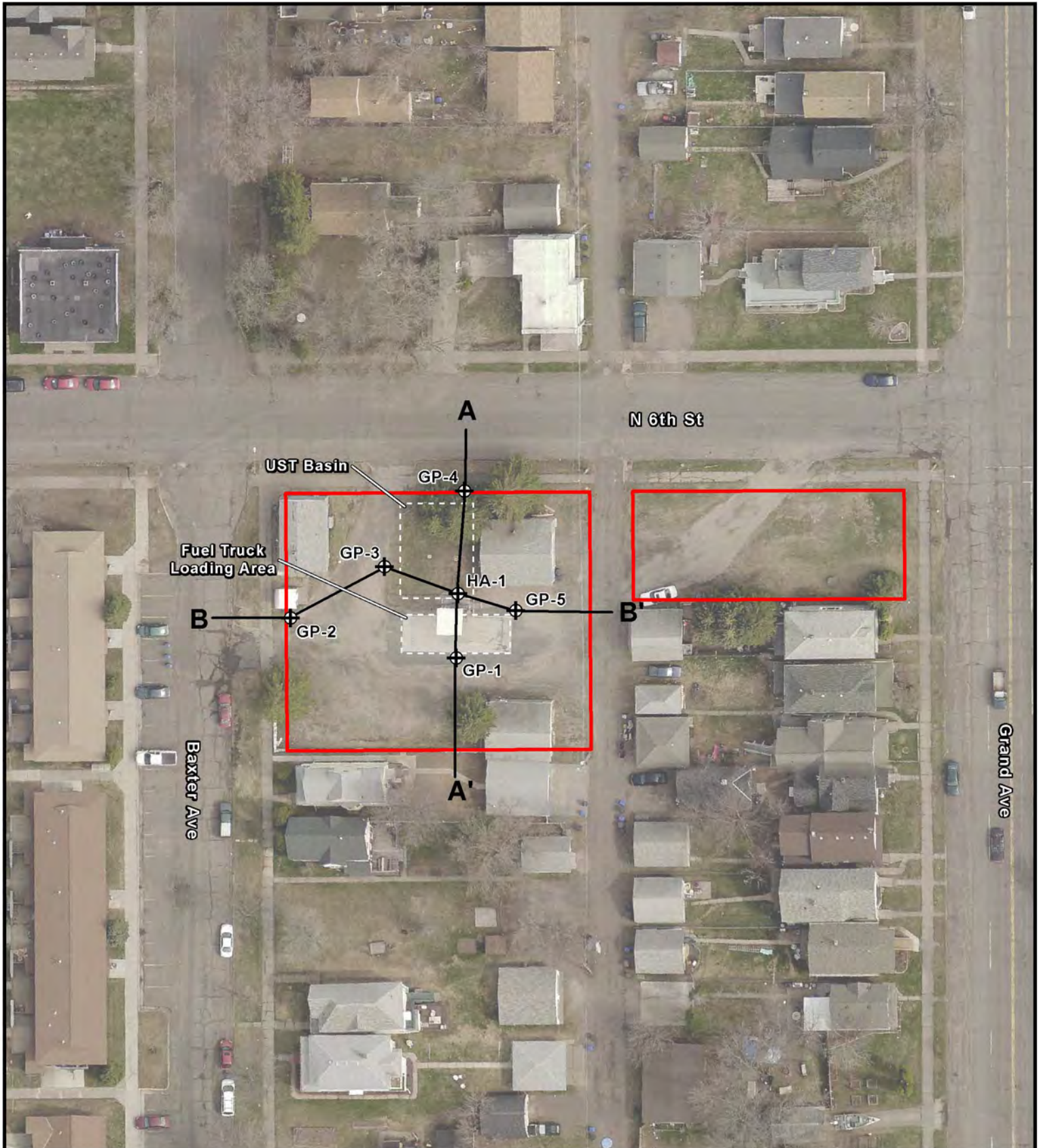
Como Oil - Fagerlin Fuel  
Superior, Wisconsin



PROJECT #: 15-0603

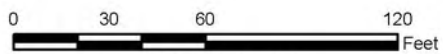
DATE: 08/02/2017 CREATED BY: CGIS

FILE NAME: //GIS/2015 Projects/15-0806  
/Projects/Figure3





-  Boring Location
-  Parcel Boundary



SCALE: 1:720  
1 inch = 60 feet

Image Source: 2013 Douglas County Aerial Photography.



**FIGURE 4**  
Cross Section Plan View

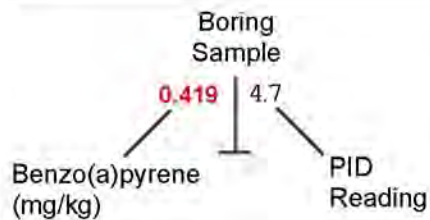
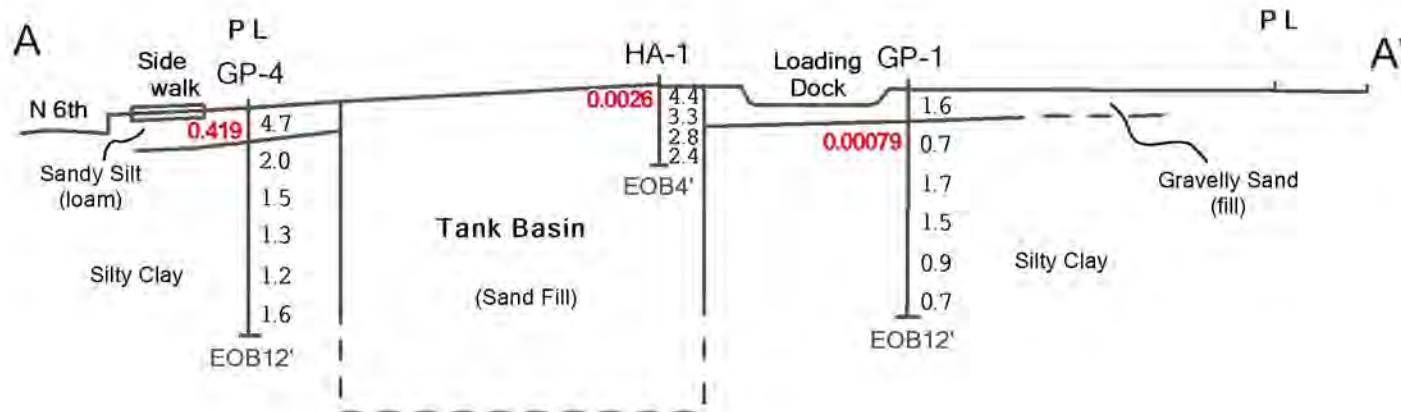
Como Oil - Fagerlin Fuel  
Superior, Wisconsin

PROJECT #: 15-0603

DATE: 08/02/2017 CREATED BY: CGIS

FILE NAME: //GIS/2015 Projects/15-0806  
/Projects/Figure4





PL Property Line

Vertical Scale  
1" = 10'

Horizontal Scale  
1" = 20'

**FIGURE 5A**  
Geologic Cross Section A-A'

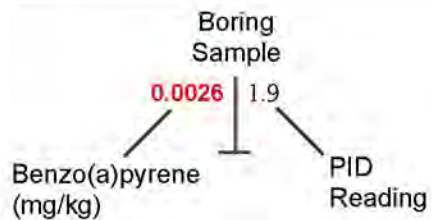
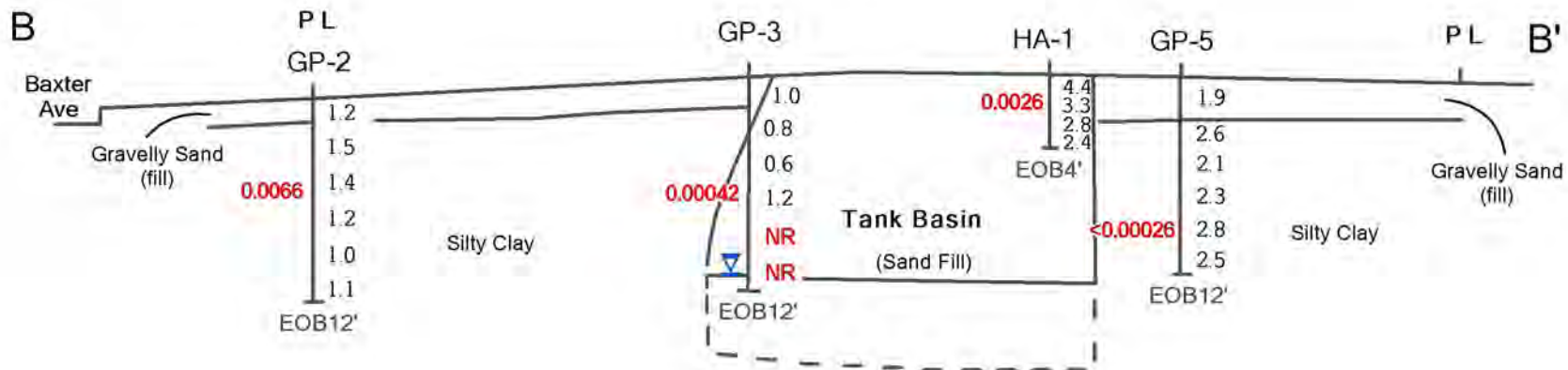
Como Oil - Fagerlin Fuel  
Superior, Wisconsin

PROJECT #: 15-0603

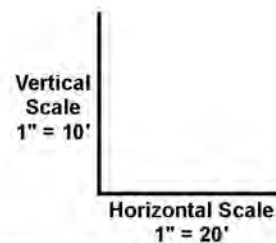
DATE: 08/02/2017 CREATED BY: CGIS

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/Projects/Figure5A





- PL** Property Line
- NR** No Recovery
- Water Table



**FIGURE 5B**  
**Geologic Cross Section B-B'**

**Como Oil - Fagerlin Fuel**  
**Superior, Wisconsin**

PROJECT #: 15-0603  
 DATE: 08/02/2017 | CREATED BY: CGIS  
 FILE NAME: //GIS/2017 Projects/15-0603  
 /Projects/Figure5B



## TABLES



**Soil Laboratory Analytical Results**  
**Fagerlin Fuel Site, Superior, WI**

All results in mg/kg

	Boring ID	GP-1	GP-2	GP-3	GP-4	GP-5	HA-1
	Sample Depth	4-6	4-6	6-8	0-2	8-10	0-4
	Sampling Firm	ET	ET	ET	ET	ET	ET
	Sample Date	8/6/15	8/6/15	8/6/15	8/6/15	8/6/15	8/6/15
	PID Reading	1.7	1.4	1.2	4.7	2.8	4.4
Analyte	Not to Exceed I-RCL						
GRO		3.2	<2.4	<2.4	25.5	<2.7	<2.2
Benzene	7.41	<0.0096	<0.0090	<0.0541	<0.0089	<0.0088	<0.0080
Ethylbenzene	37	<0.0109	<0.0097	<0.0541	<0.0095	<0.0094	<0.0086
MTBE	293	<0.0128	<0.0121	<0.270	<0.0111	<0.0118	<0.0108
Naphthalene	26	<0.0988	<0.0931	<0.0823	<0.0914	<0.0908	<0.0827
Toluene	818	<0.0131	<0.0124	<0.0541	<b>0.0391</b>	<0.0121	<0.0110
1,2,4 TMB	219	<0.0137	<0.0129	<0.0541	<0.0127	<0.0126	<0.0115
1,3,5 TMB	182	<0.0123	<0.0125	<0.0541	<0.0123	<0.0122	<0.0103
Xylenes (Total)	260	<0.0410	<0.0386	<0.162	<0.0379	<0.0377	<0.0343
Acenaphthene	33000	<0.00045	<b>0.00053</b>	<0.00042	<b>0.0495</b>	<0.00047	<b>0.00038</b>
Acenaphthylene		<0.00043	<b>0.00059</b>	<0.00039	<b>0.0549</b>	<0.00044	<0.00035
Anthracene	10000	<0.00038	<b>0.0017</b>	<0.00036	<b>0.144</b>	<0.00040	<b>0.00076</b>
Benzo(a)anthracene	2.11	<0.00023	<b>0.0067</b>	<b>0.00065</b>	<b>0.43</b>	<0.00024	<b>0.0026</b>
Benzo(a)pyrene	0.211	<b>0.00079</b>	<b>0.0066</b>	<b>0.00042</b>	<b>0.419</b>	<0.00026	<b>0.0026</b>
Benzo(b)fluoranthene	2.11	<b>0.00093</b>	<b>0.0073</b>	<b>0.00055</b>	<b>0.53</b>	<0.00045	<b>0.0045</b>
Benzo(g,h,i)perylene		<b>0.00056</b>	<b>0.0049</b>	<0.00041	<b>0.256</b>	<0.00046	<b>0.0027</b>
Benzo(k)fluoranthene	21.1	<0.00050	<b>0.0031</b>	<0.00047	<b>0.271</b>	<0.00052	<b>0.0017</b>
Chrysene	211	<b>0.00081</b>	<b>0.0068</b>	<b>0.00044</b>	<b>0.534</b>	<0.00032	<b>0.0041</b>
Dibenz(a,h)anthracene	0.211	<0.00054	<b>0.0012</b>	<0.00050	<b>0.0856</b>	<0.00056	<b>0.00058</b>
Fluoranthene	22000	<b>0.0019</b>	<b>0.0123</b>	<b>0.001</b>	<b>0.957</b>	<b>0.00069</b>	<b>0.0054</b>
Fluorene	22000	<0.00039	<b>0.00063</b>	<0.00036	<b>0.0523</b>	<0.00040	<b>0.00065</b>
Indeno(1,2,3-cd)pyrene	2.11	<0.00048	<b>0.0037</b>	<0.00045	<b>0.215</b>	<0.00050	<b>0.0019</b>
Naphthalene	26	<0.00047	<b>0.0012</b>	<0.00043	<b>0.0344</b>	<0.00048	<b>0.00067</b>
Phenanthrene		<b>0.0012</b>	<b>0.0073</b>	<b>0.00089</b>	<b>0.609</b>	<b>0.0007</b>	<b>0.0034</b>
Pyrene	16500	<b>0.0015</b>	<b>0.012</b>	<b>0.00078</b>	<b>0.873</b>	<b>0.0004</b>	<b>0.0047</b>

<b>4.0</b>	Exceeds WDNR Industrial Residual Contaminant Level (I-RCL) Direct Contact
<b>0.0057</b>	Compound reported above method detection limit
NE	Not established

**Groundwater Laboratory Analytical Results**  
**Como Fagerlin, Superior, WI**

All results in ug/L	Sample ID		GP3 7-12
	Sample Date		8/6/2015
VOCs	ES	PAL	
Acetone	9000	1800	<7.1
Allyl Chloride	NP	NP	<0.58
Benzene	5	0.5	<0.21
Bromobenzene	NP	NP	<0.25
Bromochloromethane	NP	NP	<0.34
Bromodichloromethane	0.6	0.06	<0.18
Bromoform	4.4	0.44	<0.41
Bromomethane	10	1	<0.36
2-Butanone (MEK)	4000	800	<2.5
n-Butylbenzene	NP	NP	<0.083
sec-Butylbenzene	NP	NP	<0.16
tert-Butylbenzene	NP	NP	<0.18
Carbon Tetrachloride	5	0.5	<0.35
Chlorobenzene	NP	NP	<0.23
Chloroethane	400	80	<0.34
Chloroform	6	0.6	<0.27
Chloromethane	30	3	<0.64
2-Chlorotoluene	NP	NP	<0.22
4-Chlorotoluene	NP	NP	<0.24
1,2-Dibromo-3-chloropropane	0.2	0.02	<0.70
Dibromochloromethane	60	6	<0.16
1,2-Dibromoethane (EDB)	0.05	0.005	<0.23
Dibromomethane	NP	NP	<0.31
1,2-Dichlorobenzene	600	60	<0.22
1,3-Dichlorobenzene	600	120	<0.21
1,4-Dichlorobenzene	75	15	<0.16
Dichlorodifluoromethane	1000	200	<0.49
1,1-Dichloroethane (DCA)	850	85	<0.22
1,2-Dichloroethane	5	0.5	<0.17
1,1-Dichloroethene	7	0.7	<0.22
cis-1,2-Dichloroethene (DCE)	70	7	<0.25
trans-1,2-Dichloroethene	100	20	<0.21
Dichlorofluoromethane	NP	NP	<0.22
1,2-Dichloropropane	5	0.5	<0.42
1,3-Dichloropropane	0.4	0.04	<0.24
2,2-Dichloropropane	NP	NP	<0.36
1,1-Dichloropropene	NP	NP	<0.16
cis-1,3-Dichloropropene	NP	NP	<0.21
trans-1,3-Dichloropropene	NP	NP	<0.22
Diethyl Ether (Ethyl Ether)	1000	100	<0.38
Ethylbenzene	700	140	<0.23

MDL is above PAL.

Compound detected (J is above MDL, but below MRL)

No promulgated standard.

<0.081
<b>0.35 J</b>
NP

**Groundwater Laboratory Analytical Results**  
**Como Fagerlin, Superior, WI**

All results in ug/L	Sample ID		GP3 7-12
	Sample Date		8/6/2015
VOCs	ES	PAL	
Hexachloro-1,3-butadiene	NP	NP	<0.48
Isopropylbenzene (cumene)	NP	NP	<0.17
p-Isopropyltoluene	NP	NP	<0.16
Methylene Chloride	5	0.5	<0.56
4-Methyl-2-pentanone (MIBK)	500	50	<2.4
Methyl-tert-butyl-ether (MTBE)	60	12	<0.20
Naphthalene	100	10	<0.14
n-Propylbenzene	NP	NP	<0.21
Styrene	100	10	<0.11
1,1,1,2-Tetrachloroethane	70	7	<0.20
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.22
Tetrachloroethene (PCE)	5	0.5	<0.19
Tetrahydrofuran (THF)	50	10	<4.0
Toluene	800	160	<b>0.30 J</b>
1,2,3-Trichlorobenzene	NP	NP	<0.23
1,2,4-Trichlorobenzene	70	14	<0.22
1,1,1-Trichloroethane (TCA)	200	40	<0.20
1,1,2-Trichloroethane (TCA)	5	0.5	<0.24
Trichloroethene (TCE)	5	0.5	<0.14
Trichlorofluoromethane	NP	NP	<0.18
1,2,3-Trichloropropane*	60	12	<0.50
1,1,2-Trichlorofluoroethane	NP	NP	<0.42
1,2,4-Trimethylbenzene	480	96	<0.16
1,3,5-Trimethylbenzene			<0.20
Vinyl Chloride	0.2	0.02	<0.15
Xylene (total)	2000	400	<0.60
PAHs			
Acenaphthene	NP	NP	<b>0.0064 J</b>
Acenaphthylene	NP	NP	<0.0047
Anthracene	3000	600	<b>0.0076 J</b>
Benzo(a)anthracene	NP	NP	<b>0.0067 J</b>
Benzo(a)pyrene	0.2	0.02	<0.0035
Benzo(b)fluoranthene	0.2	0.02	<0.0090
Benzo(g,h,i)perylene	NP	NP	<0.0063
Benzo(k)fluoranthene	NP	NP	<0.0044
Chrysene	0.2	0.02	<0.0062
Dibenzo(a,h)anthracene	NP	NP	<0.011
Fluoranthene	400	80	<b>0.0096 J</b>
Fluorene	400	80	<b>0.012 J</b>
Indeno(1,2,3-cd)pyrene	NP	NP	<0.0065
Naphthalene	100	10	<b>0.021 J</b>
Phenanthrene	NP	NP	<b>0.036 J</b>
Pyrene	250	50	<0.0075

MDL is above PAL.

Compound detected (J is above MDL, but below MRL)

No promulgated standard.

<0.081
<b>0.35 J</b>
NP

**APPENDIX A**

**SOIL BORING LOGS AND SEALING FORMS**

## SOIL BORING LOG INFORMATION

<b>Facility/Project Name:</b> Interstate Energy- Fagerlin	<b>Project Number:</b>
<b>Boring Drilled By:</b> Environmental Troubleshooters, Inc.	<b>Boring Number:</b> GP-1
<b>Chief Driller:</b> Joe Fye	<b>Well Number (If Applicable):</b> n/a
<b>Scientist:</b> Nicole Torguson	<b>Drilling Method Used:</b> Geoprobe
<b>Date Drilling Occurred:</b> 8/6/2015	<b>Depth of Boring (ft):</b> 12
<b>Boring Location:</b> South side of site. Behind southern most building.	<b>Screen Interval (ft):</b> n/a
	<b>Water Sample Depth (ft):</b> n/a
	<b>Soil Sample Interval (ft):</b> 4-6
	<b>Water Table Depth (ft):</b> n/a
	<b>Boring Elevation:</b> n/a

<i>Interval</i>	<i>Length Recovered / Attempted</i>	<i>Depth in Feet</i>	<i>Soil/Rock Description</i>	<i>USCS</i>	<i>PID (ppm)</i>
0'-2'	15"/24"	0' - 1'	Top 10"- Gravely sand, loose, gray/brown, no odor or plasticity, dry. Bottom 5"- Silty clay, very stiff, reddish orange, no odor, slight moisture.	SL/CL	1.6
2'-4'	15"/24"	2' - 3'	Silty clay, very stiff, reddish orange, no odor, becoming moist.	CL	0.7
4'-6'	24"/24"	4' - 5'	Silty clay, very stiff, reddish orange, no odor, medium plasticity, moist.	CH	1.7
6'-8'	24"/24"	6' - 7'	Same as prior interval.	CH	1.5
8'-10'	24"/24"	8' - 9'	Silty clay, very stiff, reddish orange, no odor, increased moisture.	CH	0.9
10'-12'	24"/24"	10' - 11'	Same as prior interval.	CH	0.7

End of Boring: Refusal at 12 ft

## SOIL BORING LOG INFORMATION

<b>Facility/Project Name:</b> Interstate Energy- Fagerlin	<b>Project Number:</b>
<b>Boring Drilled By:</b> Environmental Troubleshooters, Inc.	<b>Boring Number:</b> GP-2
	<b>Well Number (If Applicable):</b> n/a
<b>Chief Driller:</b> Joe Fye	
<b>Scientist:</b> Nicole Torguson	<b>Drilling Method Used:</b> Geoprobe
<b>Date Drilling Occurred:</b> 8/6/2015	<b>Depth of Boring (ft):</b> 12
	<b>Screen Interval (ft):</b> n/a
<b>Boring Location:</b> Western side of site.	<b>Water Sample Depth (ft):</b> n/a
	<b>Soil Sample Interval (ft):</b> 4-6
	<b>Water Table Depth (ft):</b> n/a
	<b>Boring Elevation:</b> n/a

<i>Interval</i>	<i>Length Recovered and Attempted</i>	<i>Depth in Feet</i>	<i>Soil/Rock Description</i>	<i>USCS</i>	<i>PID (ppm)</i>
0'-2'	12"/24"	0' - 1'	Gravelly sand with silt, loose, gray/brown, no odor or plasticity, dry.	SL	1.2
2'-4'	12"/24"	2' - 3'	Silty clay, stiff, reddish brown, no odor, medium plasticity, moist.	CH	1.5
4'-6'	24"/24"	4' - 5'	Same as prior interval.	CH	1.4
6'-8'	24"/24"	6' - 7'	Same as prior interval.	CH	1.2
8'-10'	24"/24"	8' - 9'	Same as prior interval.	CH	1
10'-12'	24"/24"	10' - 11'	Same as prior interval, but bottom 2" slightly stiffer	CH	1.1

End of Boring: Refusal at 12 ft

## SOIL BORING LOG INFORMATION

<b>Facility/Project Name:</b> Interstate Energy- Fagerlin	<b>Project Number:</b>
<b>Boring Drilled By:</b> Environmental Troubleshooters, Inc.	<b>Boring Number:</b> GP-3
	<b>Well Number (If Applicable):</b> n/a
<b>Chief Driller:</b> Joe Fye	<b>Drilling Method Used:</b> Geoprobe
<b>Scientist:</b> Nicole Torguson	
<b>Date Drilling Occurred:</b> 8/6/2015	<b>Depth of Boring (ft):</b> 12
	<b>Screen Interval (ft):</b> 7-12
<b>Boring Location:</b> Center of site, on top of water storage??	<b>Water Sample Depth (ft):</b> 7-12
	<b>Soil Sample Interval (ft):</b> 6-8
	<b>Water Table Depth (ft):</b> 6
	<b>Boring Elevation:</b> n/a

<i>Interval</i>	<i>Length Recovered and Attempted</i>	<i>Depth in Feet</i>	<i>Soil/Rock Description</i>	<i>USCS</i>	<i>PID (ppm)</i>
0'-2'	12"/24"	0' - 1'	Gravelly sand with silt, loose, brown, no odor or plasticity, dry.	SL	1
2'-4'	12"/24"	2' - 3'	Silty sand, loose, reddish brown, no odor or plasticity, dry.	SL	0.8
4'-6'	8"/24"	4' - 5'	Silty sand, loose, reddish brown, no odor or plasticity, wet.	SL	0.6
6'-8'	8"/24"	6' - 7'	Same as prior interval.	SL	1.2
8'-10'	0"/24"	8' - 9'	No recovery.	n/a	n/a
10'-12'	0"/24"	10' - 11'	No recovery.	n/a	n/a

End of Boring: Refusal at 12 ft

## SOIL BORING LOG INFORMATION

<b>Facility/Project Name:</b> Interstate Energy- Fagerlin	<b>Project Number:</b>
<b>Boring Drilled By:</b> Environmental Troubleshooters, Inc.	<b>Boring Number:</b> GP-4
<b>Chief Driller:</b> Joe Fye	<b>Well Number (If Applicable):</b> n/a
<b>Scientist:</b> Nicole Torguson	<b>Drilling Method Used:</b> Geoprobe
<b>Date Drilling Occurred:</b> 8/6/2015	<b>Depth of Boring (ft):</b> 12
<b>Boring Location:</b> Northern side of site.	<b>Screen Interval (ft):</b> n/a
	<b>Water Sample Depth (ft):</b> n/a
	<b>Soil Sample Interval (ft):</b> 0-2
	<b>Water Table Depth (ft):</b> n/a
	<b>Boring Elevation:</b> n/a

<i>Interval</i>	<i>Length Recovered and Attempted</i>	<i>Depth in Feet</i>	<i>Soil/Rock Description</i>	<i>USCS</i>	<i>PID (ppm)</i>
0'-2'	15"/24"	0' - 1'	Sandy silt, soft, dark brown, no odor or plasticity, dry, organics.	ML	4.7
2'-4'	15"/24"	2' - 3'	Silty clay, medium, reddish brown, no odor, medium plasticity, moist.	CH	2
4'-6'	24"/24"	4' - 5'	Silty clay, very stiff, reddish brown, no odor, medium plasticity, moist.	CH	1.5
6'-8'	24"/24"	6' - 7'	Same as prior interval.	CH	1.3
8'-10'	24"/24"	8' - 9'	Same as prior interval.	CH	1.2
10'-12'	24"/24"	10' - 11'	Same as prior interval.	CH	1.6

End of Boring: Refusal at 12 ft



## SOIL BORING LOG INFORMATION

<b>Facility/Project Name:</b> Interstate Energy- Fagerlin	<b>Project Number:</b>
<b>Boring Drilled By:</b> Environmental Troubleshooters, Inc.	<b>Boring Number:</b> GP-5
	<b>Well Number (If Applicable):</b> n/a
<b>Chief Driller:</b> Joe Fye	
<b>Scientist:</b> Nicole Torguson	<b>Drilling Method Used:</b> Geoprobe
<b>Date Drilling Occurred:</b> 8/6/2015	<b>Depth of Boring (ft):</b> 12
	<b>Screen Interval (ft):</b> n/a
<b>Boring Location:</b> Eastern side of site.	<b>Water Sample Depth (ft):</b> n/a
	<b>Soil Sample Interval (ft):</b> 8-10
	<b>Water Table Depth (ft):</b> n/a
	<b>Boring Elevation:</b> n/a

<i>Interval</i>	<i>Length Recovered and Attempted</i>	<i>Depth in Feet</i>	<i>Soil/Rock Description</i>	<i>USCS</i>	<i>PID (ppm)</i>
0'-2'	12"/24"	0' - 1'	Gravelly sand, loose, black/brown, no odor or plasticity, dry.	SL	1.9
2'-4'	12"/24"	2' - 3'	Silty clay, stiff, reddish brown, no odor, medium plasticity, moist, organics.	CH	2.6
4'-6'	24"/24"	4' - 5'	Same as prior interval.	CH	2.1
6'-8'	24"/24"	6' - 7'	Same as prior interval.	CH	2.3
8'-10'	24"/24"	8' - 9'	Same as prior interval.	CH	2.8
10'-12'	24"/24"	10' - 11'	Same as prior interval.	CH	2.5

End of Boring: Refusal at 12 ft

## SOIL BORING LOG INFORMATION

<b>Facility/Project Name:</b> Interstate Energy- Fagerlin	<b>Project Number:</b>
<b>Boring Drilled By:</b> Environmental Troubleshooters, Inc.	<b>Boring Number:</b> HA-1
	<b>Well Number (If Applicable):</b> n/a
<b>Chief Driller:</b> Joe Fye	
<b>Scientist:</b> Nicole Torguson	<b>Drilling Method Used:</b> Geoprobe
<b>Date Drilling Occurred:</b> 8/6/2015	<b>Depth of Boring (ft):</b> 4
	<b>Screen Interval (ft):</b> n/a
<b>Boring Location:</b> Center of site, next to loading ramp.	<b>Water Sample Depth (ft):</b> n/a
	<b>Soil Sample Interval (ft):</b> 0-1
	<b>Water Table Depth (ft):</b> n/a
	<b>Boring Elevation:</b> n/a

<i>Interval</i>	<i>Length Recovered and Attempted</i>	<i>Depth in Feet</i>	<i>Soil/Rock Description</i>	<i>USCS</i>	<i>PID (ppm)</i>
0'-1'	12"/12"	0' - 1'	Silty sand, loose, brown, no odor or plasticity, dry.	SL	4.4
1'-2'	12"/12"	1' - 2'	Silty sand with trace cobbles, loose, no odor or plasticity, dry.	SL	3.3
2'-3'	12"/12"	2' - 3'	Sand, loose, brown, no odor or plasticity, moist.	SL	2.8
3'-4'	12"/12"	3' - 4'	Sand, loose, brown, no odor or plasticity, moist.	SL	2.4

End of Boring: 4 ft

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## **GeoPlus Water Well Report**

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[Satellite view](#)

*Target Property:*

***Interstate Energy - Fagerlin Fuel  
Superior, Douglas County, Wisconsin 54880***

*Prepared For:*

***Historical Information Gatherers***

**Order #: 52071**

**Job #: 113665**

**Project #: 1517953**

**Date: 07/09/2015**

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## Target Property Summary

**Interstate Energy - Fagerlin Fuel**  
**Superior, Douglas County, Wisconsin 54880**

USGS Quadrangle: **Superior, WI**  
Target Property Geometry: **Area**

Target Property Longitude(s)/Latitude(s):  
**(-92.094805, 46.731345), (-92.094805, 46.731058), (-92.094054, 46.731058), (-92.094064, 46.731183),**  
**(-92.093464, 46.731176), (-92.093485, 46.731323), (-92.094805, 46.731345)**

County/Parish Covered:  
**Douglas (WI)**

Zipcode(s) Covered:  
**Superior WI: 54880**

State(s) Covered:  
**WI**

**\*Target property is located in Radon Zone 2.**

**Zone 2 areas have a predicted average indoor radon screening level between 2 and 4 pCi/L**  
**(picocuries per liter).**

## Database Findings Summary

### FEDERAL LISTING

<i>Database</i>	<i>Acronym</i>	<i>Locatable</i>	<i>Unlocatable</i>	<i>Search Radius (miles)</i>
UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM	<a href="#">NWIS</a>	2	0	0.5000
SUB-TOTAL		2	0	
TOTAL		2	0	

## Locatable Database Findings

### FEDERAL LISTING

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
NWIS	0.5000		0	0	2	NS	NS	2
<b>SUB-TOTAL</b>			0	0	2	0	0	2

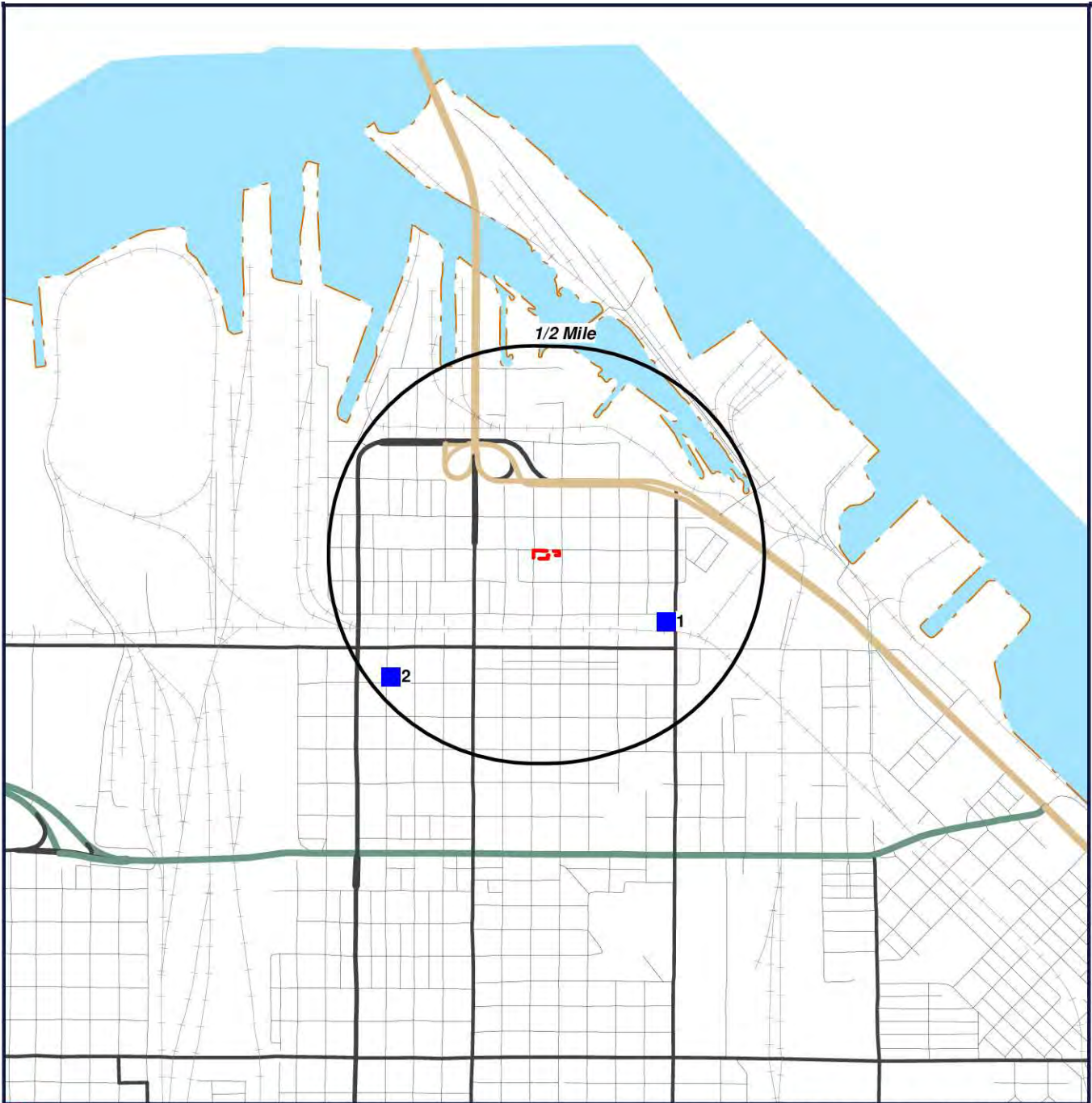
**Locatable Database Findings**

TOTAL		0	0	0	2	0	0	2
-------	--	---	---	---	---	---	---	---

**NOTES:**  
**NS = NOT SEARCHED**  
**TP/AP = TARGET PROPERTY/ADJACENT PROPERTY**



# Waterwell Map



-  Target Property (TP)
-  NWIS

**Interstate Energy -Fagerlin**  
**Fuel**  
**Superior, Wisconsin**  
**54880**

CONTOUR LINES REPRESENTED IN FEET



[Click here to access Satellite view](#)

## Report Summary of Locatable Sites

Map ID#	Database Name	Site ID#	Distance From Site	Site Name	Address	City, Zip Code	PAGE #
<a href="#">1</a>	NWIS	00538940	0.31 SE	DS-49/14W/14-0004			<a href="#">7</a>
<a href="#">2</a>	NWIS	00538920	0.46 SW	DS-49/14W/15-0005			<a href="#">8</a>

**United States Geological Survey National Water Information System  
(NWIS)**

[MAP ID# 1](#)

Distance from Property: 0.31 mi. SE

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **464344092051601**

STATION NAME: **DS-49/14W/14-0004**

SITE TYPE: **WELL**

LATITUDE: **46.728829100**                      LONGITUDE: **-92.087968200**

DATE DRILLED: **1954-07-21**

WELL DEPTH: **600 FEET**

HOLE DEPTH: **600 FEET**

LOCAL AQUIFER: **LAKE SUPERIOR SEDIMENTARY ROCK**

---

[Back to Report Summary](#)

**United States Geological Survey National Water Information System  
(NWIS)**

[MAP ID# 2](#)

Distance from Property: 0.46 mi. SW

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **464337092060701**

STATION NAME: **DS-49/14W/15-0005**

SITE TYPE: **WELL**

LATITUDE: **46.726884800**                      LONGITUDE: **-92.102135000**

DATE DRILLED: **1940-04-01**

WELL DEPTH: **611 FEET**

HOLE DEPTH: **NOT REPORTED**

LOCAL AQUIFER: **LAKE SUPERIOR SEDIMENTARY ROCK**

---

[Back to Report Summary](#)

## ***Environmental Records Definitions - FEDERAL***

**NWIS**

United States Geological Survey National Water Information System

VERSION DATE: 07/02/14

This USGS National Water Information System database only includes groundwater wells. The USGS defines this well type as: A hole or shaft constructed in the earth intended to be used to locate, sample, or develop groundwater, oil, gas, or some other subsurface material. The diameter of a well is typically much smaller than the depth. Wells are also used to artificially recharge groundwater or to pressurize oil and gas production zones. Additional information about specific kinds of wells should be recorded under the secondary site types or the Use of Site field. Underground waste-disposal wells should be classified as waste-injection wells.

**APPENDIX B**

**LABORATORY ANALYTICAL REPORTS**

August 19, 2015

Mr. John McCarthy  
Environmental Troubleshooters  
3825 Grand Avenue  
Duluth, MN 55807

RE: Project: IE/Fagerlin  
Pace Project No.: 10317272

Dear Mr. McCarthy:

Enclosed are the analytical results for sample(s) received by the laboratory on August 06, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Lori Castille  
lori.castille@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: IE/Fagerlin

Pace Project No.: 10317272

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### Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN\_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Virginia/VELAP Certification #: Pace

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: IE/Fagerlin

Pace Project No.: 10317272

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10317272001	GP-1 (4-6')	Solid	08/06/15 09:40	08/06/15 18:40
10317272002	GP-2 (4-6')	Solid	08/06/15 10:24	08/06/15 18:40
10317272003	GP-3 (6-8')	Solid	08/06/15 10:42	08/06/15 18:40
10317272004	GP-4 (0-2')	Solid	08/06/15 11:20	08/06/15 18:40
10317272005	GP-5 (8-10')	Solid	08/06/15 12:10	08/06/15 18:40
10317272006	GP-3 (7-12')	Water	08/06/15 11:00	08/06/15 18:40
10317272007	HA-1	Solid	08/06/15 12:25	08/06/15 18:40
10317272008	Trip Blank (HCl)	Water	08/06/15 00:00	08/06/15 18:40

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: IE/Fagerlin

Pace Project No.: 10317272

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10317272001	GP-1 (4-6')	WI MOD GRO	CMB	2
		ASTM D2974	AH3	1
		EPA 8270D by SIM	LT	18
		EPA 8260B	DJB	70
10317272002	GP-2 (4-6')	WI MOD GRO	CMB	2
		ASTM D2974	AH3	1
		EPA 8270D by SIM	LT	18
		EPA 8260B	DJB	70
10317272003	GP-3 (6-8')	WI MOD GRO	CMB	2
		ASTM D2974	AH3	1
		EPA 8270D by SIM	LT	18
		EPA 8260B	DJB	70
10317272004	GP-4 (0-2')	WI MOD GRO	CMB	2
		ASTM D2974	AH3	1
		EPA 8270D by SIM	LT	18
		EPA 8260B	DJB	70
10317272005	GP-5 (8-10')	WI MOD GRO	CMB	2
		ASTM D2974	AH3	1
		EPA 8270D by SIM	LT	18
		EPA 8260B	DJB	70
10317272006	GP-3 (7-12')	WI MOD GRO	LPM	2
		EPA 8270D by SIM	AS1	18
		EPA 8260B	AJC	70
10317272007	HA-1	WI MOD GRO	CMB	2
		ASTM D2974	AH3	1
		EPA 8270D by SIM	LT	18
		EPA 8260B	DJB	70
10317272008	Trip Blank (HCl)	EPA 8260B	AJC	70

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## ANALYTICAL RESULTS

Project: IE/Fagerlin  
Pace Project No.: 10317272

**Sample: GP-1 (4-6)**      **Lab ID: 10317272001**      Collected: 08/06/15 09:40      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b>									
Analytical Method: WI MOD GRO    Preparation Method: EPA 5030 Medium Soil									
Gasoline Range Organics	<b>3.2J</b>	mg/kg	13.3	2.7	1	08/12/15 09:27	08/12/15 21:56		
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	132	%	80-150		1	08/12/15 09:27	08/12/15 21:56	98-08-8	
<b>Dry Weight</b>									
Analytical Method: ASTM D2974									
Percent Moisture	<b>20.2</b>	%	0.10	0.10	1		08/11/15 20:03		
<b>8270D MSSV PAH by SIM</b>									
Analytical Method: EPA 8270D by SIM    Preparation Method: EPA 3550									
Acenaphthene	<b>&lt;0.45</b>	ug/kg	12.5	0.45	1	08/07/15 13:38	08/08/15 18:50	83-32-9	
Acenaphthylene	<b>&lt;0.43</b>	ug/kg	12.5	0.43	1	08/07/15 13:38	08/08/15 18:50	208-96-8	
Anthracene	<b>&lt;0.38</b>	ug/kg	12.5	0.38	1	08/07/15 13:38	08/08/15 18:50	120-12-7	
Benzo(a)anthracene	<b>&lt;0.23</b>	ug/kg	12.5	0.23	1	08/07/15 13:38	08/08/15 18:50	56-55-3	
Benzo(a)pyrene	<b>0.79J</b>	ug/kg	12.5	0.25	1	08/07/15 13:38	08/08/15 18:50	50-32-8	
Benzo(b)fluoranthene	<b>0.93J</b>	ug/kg	12.5	0.44	1	08/07/15 13:38	08/08/15 18:50	205-99-2	
Benzo(g,h,i)perylene	<b>0.56J</b>	ug/kg	12.5	0.44	1	08/07/15 13:38	08/08/15 18:50	191-24-2	
Benzo(k)fluoranthene	<b>&lt;0.50</b>	ug/kg	12.5	0.50	1	08/07/15 13:38	08/08/15 18:50	207-08-9	
Chrysene	<b>0.81J</b>	ug/kg	12.5	0.31	1	08/07/15 13:38	08/08/15 18:50	218-01-9	
Dibenz(a,h)anthracene	<b>&lt;0.54</b>	ug/kg	12.5	0.54	1	08/07/15 13:38	08/08/15 18:50	53-70-3	
Fluoranthene	<b>1.9J</b>	ug/kg	12.5	0.27	1	08/07/15 13:38	08/08/15 18:50	206-44-0	
Fluorene	<b>&lt;0.39</b>	ug/kg	12.5	0.39	1	08/07/15 13:38	08/08/15 18:50	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>&lt;0.48</b>	ug/kg	12.5	0.48	1	08/07/15 13:38	08/08/15 18:50	193-39-5	
Naphthalene	<b>&lt;0.47</b>	ug/kg	12.5	0.47	1	08/07/15 13:38	08/08/15 18:50	91-20-3	
Phenanthrene	<b>1.2J</b>	ug/kg	12.5	0.31	1	08/07/15 13:38	08/08/15 18:50	85-01-8	
Pyrene	<b>1.5J</b>	ug/kg	12.5	0.30	1	08/07/15 13:38	08/08/15 18:50	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	63	%	55-125		1	08/07/15 13:38	08/08/15 18:50	321-60-8	
p-Terphenyl-d14 (S)	77	%	30-150		1	08/07/15 13:38	08/08/15 18:50	1718-51-0	
<b>8260B MSV 5030 Med Level</b>									
Analytical Method: EPA 8260B    Preparation Method: EPA 5035/5030B									
Acetone	<b>&lt;307</b>	ug/kg	1370	307	1	08/13/15 09:10	08/14/15 18:01	67-64-1	
Allyl chloride	<b>&lt;16.7</b>	ug/kg	274	16.7	1	08/13/15 09:10	08/14/15 18:01	107-05-1	
Benzene	<b>&lt;9.6</b>	ug/kg	27.4	9.6	1	08/13/15 09:10	08/14/15 18:01	71-43-2	
Bromobenzene	<b>&lt;16.6</b>	ug/kg	68.5	16.6	1	08/13/15 09:10	08/14/15 18:01	108-86-1	
Bromochloromethane	<b>&lt;13.1</b>	ug/kg	68.5	13.1	1	08/13/15 09:10	08/14/15 18:01	74-97-5	
Bromodichloromethane	<b>&lt;12.2</b>	ug/kg	68.5	12.2	1	08/13/15 09:10	08/14/15 18:01	75-27-4	
Bromoform	<b>&lt;16.3</b>	ug/kg	274	16.3	1	08/13/15 09:10	08/14/15 18:01	75-25-2	
Bromomethane	<b>&lt;120</b>	ug/kg	685	120	1	08/13/15 09:10	08/14/15 18:01	74-83-9	
2-Butanone (MEK)	<b>&lt;114</b>	ug/kg	343	114	1	08/13/15 09:10	08/14/15 18:01	78-93-3	
n-Butylbenzene	<b>&lt;12.9</b>	ug/kg	68.5	12.9	1	08/13/15 09:10	08/14/15 18:01	104-51-8	
sec-Butylbenzene	<b>&lt;14.0</b>	ug/kg	68.5	14.0	1	08/13/15 09:10	08/14/15 18:01	135-98-8	
tert-Butylbenzene	<b>&lt;18.4</b>	ug/kg	68.5	18.4	1	08/13/15 09:10	08/14/15 18:01	98-06-6	
Carbon tetrachloride	<b>&lt;16.6</b>	ug/kg	68.5	16.6	1	08/13/15 09:10	08/14/15 18:01	56-23-5	
Chlorobenzene	<b>&lt;11.1</b>	ug/kg	68.5	11.1	1	08/13/15 09:10	08/14/15 18:01	108-90-7	
Chloroethane	<b>&lt;32.7</b>	ug/kg	685	32.7	1	08/13/15 09:10	08/14/15 18:01	75-00-3	
Chloroform	<b>&lt;11.5</b>	ug/kg	68.5	11.5	1	08/13/15 09:10	08/14/15 18:01	67-66-3	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: IE/Fagerlin  
Pace Project No.: 10317272

**Sample: GP-1 (4-6)**      **Lab ID: 10317272001**      Collected: 08/06/15 09:40      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260B MSV 5030 Med Level</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B							
Chloromethane	<13.8	ug/kg	274	13.8	1	08/13/15 09:10	08/14/15 18:01	74-87-3	
2-Chlorotoluene	<14.1	ug/kg	68.5	14.1	1	08/13/15 09:10	08/14/15 18:01	95-49-8	
4-Chlorotoluene	<12.9	ug/kg	68.5	12.9	1	08/13/15 09:10	08/14/15 18:01	106-43-4	
1,2-Dibromo-3-chloropropane	<53.0	ug/kg	685	53.0	1	08/13/15 09:10	08/14/15 18:01	96-12-8	
Dibromochloromethane	<10.6	ug/kg	68.5	10.6	1	08/13/15 09:10	08/14/15 18:01	124-48-1	
1,2-Dibromoethane (EDB)	<11.0	ug/kg	68.5	11.0	1	08/13/15 09:10	08/14/15 18:01	106-93-4	
Dibromomethane	<16.2	ug/kg	68.5	16.2	1	08/13/15 09:10	08/14/15 18:01	74-95-3	
1,2-Dichlorobenzene	<16.6	ug/kg	68.5	16.6	1	08/13/15 09:10	08/14/15 18:01	95-50-1	
1,3-Dichlorobenzene	<16.7	ug/kg	68.5	16.7	1	08/13/15 09:10	08/14/15 18:01	541-73-1	
1,4-Dichlorobenzene	<14.5	ug/kg	68.5	14.5	1	08/13/15 09:10	08/14/15 18:01	106-46-7	
Dichlorodifluoromethane	<16.9	ug/kg	274	16.9	1	08/13/15 09:10	08/14/15 18:01	75-71-8	
1,1-Dichloroethane	<13.1	ug/kg	68.5	13.1	1	08/13/15 09:10	08/14/15 18:01	75-34-3	
1,2-Dichloroethane	<15.3	ug/kg	68.5	15.3	1	08/13/15 09:10	08/14/15 18:01	107-06-2	
1,1-Dichloroethene	<15.6	ug/kg	68.5	15.6	1	08/13/15 09:10	08/14/15 18:01	75-35-4	
cis-1,2-Dichloroethene	<24.4	ug/kg	68.5	24.4	1	08/13/15 09:10	08/14/15 18:01	156-59-2	
trans-1,2-Dichloroethene	<11.3	ug/kg	68.5	11.3	1	08/13/15 09:10	08/14/15 18:01	156-60-5	
Dichlorofluoromethane	<64.4	ug/kg	685	64.4	1	08/13/15 09:10	08/14/15 18:01	75-43-4	
1,2-Dichloropropane	<14.0	ug/kg	68.5	14.0	1	08/13/15 09:10	08/14/15 18:01	78-87-5	
1,3-Dichloropropane	<10.7	ug/kg	68.5	10.7	1	08/13/15 09:10	08/14/15 18:01	142-28-9	
2,2-Dichloropropane	<27.7	ug/kg	274	27.7	1	08/13/15 09:10	08/14/15 18:01	594-20-7	
1,1-Dichloropropene	<13.7	ug/kg	68.5	13.7	1	08/13/15 09:10	08/14/15 18:01	563-58-6	
cis-1,3-Dichloropropene	<7.1	ug/kg	68.5	7.1	1	08/13/15 09:10	08/14/15 18:01	10061-01-5	
trans-1,3-Dichloropropene	<26.6	ug/kg	68.5	26.6	1	08/13/15 09:10	08/14/15 18:01	10061-02-6	
Diethyl ether (Ethyl ether)	<22.3	ug/kg	274	22.3	1	08/13/15 09:10	08/14/15 18:01	60-29-7	
Ethylbenzene	<10.2	ug/kg	68.5	10.2	1	08/13/15 09:10	08/14/15 18:01	100-41-4	
Hexachloro-1,3-butadiene	<29.2	ug/kg	343	29.2	1	08/13/15 09:10	08/14/15 18:01	87-68-3	
Isopropylbenzene (Cumene)	<12.5	ug/kg	68.5	12.5	1	08/13/15 09:10	08/14/15 18:01	98-82-8	
p-Isopropyltoluene	<12.0	ug/kg	68.5	12.0	1	08/13/15 09:10	08/14/15 18:01	99-87-6	
Methylene Chloride	<20.4	ug/kg	274	20.4	1	08/13/15 09:10	08/14/15 18:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	<87.2	ug/kg	343	87.2	1	08/13/15 09:10	08/14/15 18:01	108-10-1	
Methyl-tert-butyl ether	<12.8	ug/kg	68.5	12.8	1	08/13/15 09:10	08/14/15 18:01	1634-04-4	
Naphthalene	<98.8	ug/kg	274	98.8	1	08/13/15 09:10	08/14/15 18:01	91-20-3	
n-Propylbenzene	<14.7	ug/kg	68.5	14.7	1	08/13/15 09:10	08/14/15 18:01	103-65-1	
Styrene	<10.9	ug/kg	68.5	10.9	1	08/13/15 09:10	08/14/15 18:01	100-42-5	
1,1,1,2-Tetrachloroethane	<13.2	ug/kg	68.5	13.2	1	08/13/15 09:10	08/14/15 18:01	630-20-6	
1,1,2,2-Tetrachloroethane	<13.1	ug/kg	68.5	13.1	1	08/13/15 09:10	08/14/15 18:01	79-34-5	
Tetrachloroethene	<14.1	ug/kg	68.5	14.1	1	08/13/15 09:10	08/14/15 18:01	127-18-4	
Tetrahydrofuran	<108	ug/kg	2740	108	1	08/13/15 09:10	08/14/15 18:01	109-99-9	
Toluene	<13.1	ug/kg	68.5	13.1	1	08/13/15 09:10	08/14/15 18:01	108-88-3	
1,2,3-Trichlorobenzene	<26.6	ug/kg	68.5	26.6	1	08/13/15 09:10	08/14/15 18:01	87-61-6	
1,2,4-Trichlorobenzene	<12.5	ug/kg	68.5	12.5	1	08/13/15 09:10	08/14/15 18:01	120-82-1	
1,1,1-Trichloroethane	<13.3	ug/kg	68.5	13.3	1	08/13/15 09:10	08/14/15 18:01	71-55-6	
1,1,2-Trichloroethane	<18.8	ug/kg	68.5	18.8	1	08/13/15 09:10	08/14/15 18:01	79-00-5	
Trichloroethene	<16.6	ug/kg	68.5	16.6	1	08/13/15 09:10	08/14/15 18:01	79-01-6	
Trichlorofluoromethane	<47.4	ug/kg	274	47.4	1	08/13/15 09:10	08/14/15 18:01	75-69-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: IE/Fagerlin  
Pace Project No.: 10317272

**Sample: GP-1 (4-6')**      **Lab ID: 10317272001**      Collected: 08/06/15 09:40      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260B MSV 5030 Med Level</b>									
Analytical Method: EPA 8260B    Preparation Method: EPA 5035/5030B									
1,2,3-Trichloropropane	<18.9	ug/kg	274	18.9	1	08/13/15 09:10	08/14/15 18:01	96-18-4	
1,1,2-Trichlorotrifluoroethane	<16.2	ug/kg	274	16.2	1	08/13/15 09:10	08/14/15 18:01	76-13-1	
1,2,4-Trimethylbenzene	<13.7	ug/kg	68.5	13.7	1	08/13/15 09:10	08/14/15 18:01	95-63-6	
1,3,5-Trimethylbenzene	<13.3	ug/kg	68.5	13.3	1	08/13/15 09:10	08/14/15 18:01	108-67-8	
Vinyl chloride	<12.3	ug/kg	27.4	12.3	1	08/13/15 09:10	08/14/15 18:01	75-01-4	
Xylene (Total)	<41.0	ug/kg	206	41.0	1	08/13/15 09:10	08/14/15 18:01	1330-20-7	
<b>Surrogates</b>									
1,2-Dichloroethane-d4 (S)	104	%	55-150		1	08/13/15 09:10	08/14/15 18:01	17060-07-0	
Toluene-d8 (S)	104	%	61-125		1	08/13/15 09:10	08/14/15 18:01	2037-26-5	
4-Bromofluorobenzene (S)	97	%	54-131		1	08/13/15 09:10	08/14/15 18:01	460-00-4	

**Sample: GP-2 (4-6')**      **Lab ID: 10317272002**      Collected: 08/06/15 10:24      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b>									
Analytical Method: WI MOD GRO    Preparation Method: EPA 5030 Medium Soil									
Gasoline Range Organics	<2.4	mg/kg	12.0	2.4	1	08/12/15 09:27	08/12/15 23:03		
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	131	%	80-150		1	08/12/15 09:27	08/12/15 23:03	98-08-8	
<b>Dry Weight</b>									
Analytical Method: ASTM D2974									
Percent Moisture	19.3	%	0.10	0.10	1		08/11/15 20:03		
<b>8270D MSSV PAH by SIM</b>									
Analytical Method: EPA 8270D by SIM    Preparation Method: EPA 3550									
Acenaphthene	0.53J	ug/kg	12.4	0.45	1	08/07/15 13:38	08/08/15 19:12	83-32-9	
Acenaphthylene	0.59J	ug/kg	12.4	0.42	1	08/07/15 13:38	08/08/15 19:12	208-96-8	
Anthracene	1.7J	ug/kg	12.4	0.38	1	08/07/15 13:38	08/08/15 19:12	120-12-7	
Benzo(a)anthracene	6.7J	ug/kg	12.4	0.23	1	08/07/15 13:38	08/08/15 19:12	56-55-3	
Benzo(a)pyrene	6.6J	ug/kg	12.4	0.24	1	08/07/15 13:38	08/08/15 19:12	50-32-8	
Benzo(b)fluoranthene	7.3J	ug/kg	12.4	0.43	1	08/07/15 13:38	08/08/15 19:12	205-99-2	
Benzo(g,h,i)perylene	4.9J	ug/kg	12.4	0.44	1	08/07/15 13:38	08/08/15 19:12	191-24-2	
Benzo(k)fluoranthene	3.1J	ug/kg	12.4	0.50	1	08/07/15 13:38	08/08/15 19:12	207-08-9	
Chrysene	6.8J	ug/kg	12.4	0.30	1	08/07/15 13:38	08/08/15 19:12	218-01-9	
Dibenz(a,h)anthracene	1.2J	ug/kg	12.4	0.53	1	08/07/15 13:38	08/08/15 19:12	53-70-3	
Fluoranthene	12.3J	ug/kg	12.4	0.27	1	08/07/15 13:38	08/08/15 19:12	206-44-0	
Fluorene	0.63J	ug/kg	12.4	0.38	1	08/07/15 13:38	08/08/15 19:12	86-73-7	
Indeno(1,2,3-cd)pyrene	3.7J	ug/kg	12.4	0.48	1	08/07/15 13:38	08/08/15 19:12	193-39-5	
Naphthalene	1.2J	ug/kg	12.4	0.46	1	08/07/15 13:38	08/08/15 19:12	91-20-3	
Phenanthrene	7.3J	ug/kg	12.4	0.31	1	08/07/15 13:38	08/08/15 19:12	85-01-8	
Pyrene	12.0J	ug/kg	12.4	0.30	1	08/07/15 13:38	08/08/15 19:12	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	61	%	55-125		1	08/07/15 13:38	08/08/15 19:12	321-60-8	
p-Terphenyl-d14 (S)	71	%	30-150		1	08/07/15 13:38	08/08/15 19:12	1718-51-0	

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## ANALYTICAL RESULTS

Project: IE/Fagerlin

Pace Project No.: 10317272

**Sample: GP-2 (4-6)**      **Lab ID: 10317272002**      Collected: 08/06/15 10:24      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260B MSV 5030 Med Level</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B							
Acetone	<289	ug/kg	1290	289	1	08/13/15 09:10	08/14/15 18:22	67-64-1	
Allyl chloride	<15.7	ug/kg	258	15.7	1	08/13/15 09:10	08/14/15 18:22	107-05-1	
Benzene	<9.0	ug/kg	25.8	9.0	1	08/13/15 09:10	08/14/15 18:22	71-43-2	
Bromobenzene	<15.6	ug/kg	64.5	15.6	1	08/13/15 09:10	08/14/15 18:22	108-86-1	
Bromochloromethane	<12.4	ug/kg	64.5	12.4	1	08/13/15 09:10	08/14/15 18:22	74-97-5	
Bromodichloromethane	<11.5	ug/kg	64.5	11.5	1	08/13/15 09:10	08/14/15 18:22	75-27-4	
Bromoform	<15.4	ug/kg	258	15.4	1	08/13/15 09:10	08/14/15 18:22	75-25-2	
Bromomethane	<113	ug/kg	645	113	1	08/13/15 09:10	08/14/15 18:22	74-83-9	
2-Butanone (MEK)	<107	ug/kg	323	107	1	08/13/15 09:10	08/14/15 18:22	78-93-3	
n-Butylbenzene	<12.1	ug/kg	64.5	12.1	1	08/13/15 09:10	08/14/15 18:22	104-51-8	
sec-Butylbenzene	<13.2	ug/kg	64.5	13.2	1	08/13/15 09:10	08/14/15 18:22	135-98-8	
tert-Butylbenzene	<17.3	ug/kg	64.5	17.3	1	08/13/15 09:10	08/14/15 18:22	98-06-6	
Carbon tetrachloride	<15.6	ug/kg	64.5	15.6	1	08/13/15 09:10	08/14/15 18:22	56-23-5	
Chlorobenzene	<10.5	ug/kg	64.5	10.5	1	08/13/15 09:10	08/14/15 18:22	108-90-7	
Chloroethane	<30.9	ug/kg	645	30.9	1	08/13/15 09:10	08/14/15 18:22	75-00-3	
Chloroform	<10.8	ug/kg	64.5	10.8	1	08/13/15 09:10	08/14/15 18:22	67-66-3	
Chloromethane	<13.0	ug/kg	258	13.0	1	08/13/15 09:10	08/14/15 18:22	74-87-3	
2-Chlorotoluene	<13.3	ug/kg	64.5	13.3	1	08/13/15 09:10	08/14/15 18:22	95-49-8	
4-Chlorotoluene	<12.1	ug/kg	64.5	12.1	1	08/13/15 09:10	08/14/15 18:22	106-43-4	
1,2-Dibromo-3-chloropropane	<50.0	ug/kg	645	50.0	1	08/13/15 09:10	08/14/15 18:22	96-12-8	
Dibromochloromethane	<10	ug/kg	64.5	10	1	08/13/15 09:10	08/14/15 18:22	124-48-1	
1,2-Dibromoethane (EDB)	<10.4	ug/kg	64.5	10.4	1	08/13/15 09:10	08/14/15 18:22	106-93-4	
Dibromomethane	<15.2	ug/kg	64.5	15.2	1	08/13/15 09:10	08/14/15 18:22	74-95-3	
1,2-Dichlorobenzene	<15.6	ug/kg	64.5	15.6	1	08/13/15 09:10	08/14/15 18:22	95-50-1	
1,3-Dichlorobenzene	<15.7	ug/kg	64.5	15.7	1	08/13/15 09:10	08/14/15 18:22	541-73-1	
1,4-Dichlorobenzene	<13.7	ug/kg	64.5	13.7	1	08/13/15 09:10	08/14/15 18:22	106-46-7	
Dichlorodifluoromethane	<15.9	ug/kg	258	15.9	1	08/13/15 09:10	08/14/15 18:22	75-71-8	
1,1-Dichloroethane	<12.3	ug/kg	64.5	12.3	1	08/13/15 09:10	08/14/15 18:22	75-34-3	
1,2-Dichloroethane	<14.5	ug/kg	64.5	14.5	1	08/13/15 09:10	08/14/15 18:22	107-06-2	
1,1-Dichloroethene	<14.7	ug/kg	64.5	14.7	1	08/13/15 09:10	08/14/15 18:22	75-35-4	
cis-1,2-Dichloroethene	<23.0	ug/kg	64.5	23.0	1	08/13/15 09:10	08/14/15 18:22	156-59-2	
trans-1,2-Dichloroethene	<10.6	ug/kg	64.5	10.6	1	08/13/15 09:10	08/14/15 18:22	156-60-5	
Dichlorofluoromethane	<60.7	ug/kg	645	60.7	1	08/13/15 09:10	08/14/15 18:22	75-43-4	
1,2-Dichloropropane	<13.2	ug/kg	64.5	13.2	1	08/13/15 09:10	08/14/15 18:22	78-87-5	
1,3-Dichloropropane	<10.1	ug/kg	64.5	10.1	1	08/13/15 09:10	08/14/15 18:22	142-28-9	
2,2-Dichloropropane	<26.1	ug/kg	258	26.1	1	08/13/15 09:10	08/14/15 18:22	594-20-7	
1,1-Dichloropropene	<12.9	ug/kg	64.5	12.9	1	08/13/15 09:10	08/14/15 18:22	563-58-6	
cis-1,3-Dichloropropene	<6.7	ug/kg	64.5	6.7	1	08/13/15 09:10	08/14/15 18:22	10061-01-5	
trans-1,3-Dichloropropene	<25.0	ug/kg	64.5	25.0	1	08/13/15 09:10	08/14/15 18:22	10061-02-6	
Diethyl ether (Ethyl ether)	<21.0	ug/kg	258	21.0	1	08/13/15 09:10	08/14/15 18:22	60-29-7	
Ethylbenzene	<9.7	ug/kg	64.5	9.7	1	08/13/15 09:10	08/14/15 18:22	100-41-4	
Hexachloro-1,3-butadiene	<27.5	ug/kg	323	27.5	1	08/13/15 09:10	08/14/15 18:22	87-68-3	
Isopropylbenzene (Cumene)	<11.7	ug/kg	64.5	11.7	1	08/13/15 09:10	08/14/15 18:22	98-82-8	
p-Isopropyltoluene	<11.3	ug/kg	64.5	11.3	1	08/13/15 09:10	08/14/15 18:22	99-87-6	
Methylene Chloride	<19.2	ug/kg	258	19.2	1	08/13/15 09:10	08/14/15 18:22	75-09-2	

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## ANALYTICAL RESULTS

Project: IE/Fagerlin  
Pace Project No.: 10317272

**Sample: GP-2 (4-6')**      **Lab ID: 10317272002**      Collected: 08/06/15 10:24      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260B MSV 5030 Med Level</b>									
Analytical Method: EPA 8260B    Preparation Method: EPA 5035/5030B									
4-Methyl-2-pentanone (MIBK)	<82.1	ug/kg	323	82.1	1	08/13/15 09:10	08/14/15 18:22	108-10-1	
Methyl-tert-butyl ether	<12.1	ug/kg	64.5	12.1	1	08/13/15 09:10	08/14/15 18:22	1634-04-4	
Naphthalene	<93.1	ug/kg	258	93.1	1	08/13/15 09:10	08/14/15 18:22	91-20-3	
n-Propylbenzene	<13.8	ug/kg	64.5	13.8	1	08/13/15 09:10	08/14/15 18:22	103-65-1	
Styrene	<10.3	ug/kg	64.5	10.3	1	08/13/15 09:10	08/14/15 18:22	100-42-5	
1,1,1,2-Tetrachloroethane	<12.4	ug/kg	64.5	12.4	1	08/13/15 09:10	08/14/15 18:22	630-20-6	
1,1,2,2-Tetrachloroethane	<12.4	ug/kg	64.5	12.4	1	08/13/15 09:10	08/14/15 18:22	79-34-5	
Tetrachloroethene	<13.3	ug/kg	64.5	13.3	1	08/13/15 09:10	08/14/15 18:22	127-18-4	
Tetrahydrofuran	<102	ug/kg	2580	102	1	08/13/15 09:10	08/14/15 18:22	109-99-9	
Toluene	<12.4	ug/kg	64.5	12.4	1	08/13/15 09:10	08/14/15 18:22	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	64.5	25.0	1	08/13/15 09:10	08/14/15 18:22	87-61-6	
1,2,4-Trichlorobenzene	<11.7	ug/kg	64.5	11.7	1	08/13/15 09:10	08/14/15 18:22	120-82-1	
1,1,1-Trichloroethane	<12.6	ug/kg	64.5	12.6	1	08/13/15 09:10	08/14/15 18:22	71-55-6	
1,1,2-Trichloroethane	<17.7	ug/kg	64.5	17.7	1	08/13/15 09:10	08/14/15 18:22	79-00-5	
Trichloroethene	<15.6	ug/kg	64.5	15.6	1	08/13/15 09:10	08/14/15 18:22	79-01-6	
Trichlorofluoromethane	<44.7	ug/kg	258	44.7	1	08/13/15 09:10	08/14/15 18:22	75-69-4	
1,2,3-Trichloropropane	<17.8	ug/kg	258	17.8	1	08/13/15 09:10	08/14/15 18:22	96-18-4	
1,1,2-Trichlorotrifluoroethane	<15.2	ug/kg	258	15.2	1	08/13/15 09:10	08/14/15 18:22	76-13-1	
1,2,4-Trimethylbenzene	<12.9	ug/kg	64.5	12.9	1	08/13/15 09:10	08/14/15 18:22	95-63-6	
1,3,5-Trimethylbenzene	<12.5	ug/kg	64.5	12.5	1	08/13/15 09:10	08/14/15 18:22	108-67-8	
Vinyl chloride	<11.6	ug/kg	25.8	11.6	1	08/13/15 09:10	08/14/15 18:22	75-01-4	
Xylene (Total)	<38.6	ug/kg	194	38.6	1	08/13/15 09:10	08/14/15 18:22	1330-20-7	
<b>Surrogates</b>									
1,2-Dichloroethane-d4 (S)	102	%	55-150		1	08/13/15 09:10	08/14/15 18:22	17060-07-0	
Toluene-d8 (S)	104	%	61-125		1	08/13/15 09:10	08/14/15 18:22	2037-26-5	
4-Bromofluorobenzene (S)	96	%	54-131		1	08/13/15 09:10	08/14/15 18:22	460-00-4	

**Sample: GP-3 (6-8')**      **Lab ID: 10317272003**      Collected: 08/06/15 10:42      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b>									
Analytical Method: WI MOD GRO    Preparation Method: EPA 5030 Medium Soil									
Gasoline Range Organics	<2.4	mg/kg	12.0	2.4	1	08/12/15 09:27	08/12/15 23:48		
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	131	%	80-150		1	08/12/15 09:27	08/12/15 23:48	98-08-8	
<b>Dry Weight</b>									
Analytical Method: ASTM D2974									
Percent Moisture	14.1	%	0.10	0.10	1		08/11/15 20:04		
<b>8270D MSSV PAH by SIM</b>									
Analytical Method: EPA 8270D by SIM    Preparation Method: EPA 3550									
Acenaphthene	<0.42	ug/kg	11.6	0.42	1	08/07/15 13:38	08/08/15 19:33	83-32-9	
Acenaphthylene	<0.39	ug/kg	11.6	0.39	1	08/07/15 13:38	08/08/15 19:33	208-96-8	

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## ANALYTICAL RESULTS

Project: IE/Fagerlin  
Pace Project No.: 10317272

**Sample: GP-3 (6-8)**      **Lab ID: 10317272003**      Collected: 08/06/15 10:42      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270D MSSV PAH by SIM</b>									
Analytical Method: EPA 8270D by SIM      Preparation Method: EPA 3550									
Anthracene	<0.36	ug/kg	11.6	0.36	1	08/07/15 13:38	08/08/15 19:33	120-12-7	
Benzo(a)anthracene	0.65J	ug/kg	11.6	0.21	1	08/07/15 13:38	08/08/15 19:33	56-55-3	
Benzo(a)pyrene	0.42J	ug/kg	11.6	0.23	1	08/07/15 13:38	08/08/15 19:33	50-32-8	
Benzo(b)fluoranthene	0.55J	ug/kg	11.6	0.41	1	08/07/15 13:38	08/08/15 19:33	205-99-2	
Benzo(g,h,i)perylene	<0.41	ug/kg	11.6	0.41	1	08/07/15 13:38	08/08/15 19:33	191-24-2	
Benzo(k)fluoranthene	<0.47	ug/kg	11.6	0.47	1	08/07/15 13:38	08/08/15 19:33	207-08-9	
Chrysene	0.44J	ug/kg	11.6	0.29	1	08/07/15 13:38	08/08/15 19:33	218-01-9	
Dibenz(a,h)anthracene	<0.50	ug/kg	11.6	0.50	1	08/07/15 13:38	08/08/15 19:33	53-70-3	
Fluoranthene	1.0J	ug/kg	11.6	0.25	1	08/07/15 13:38	08/08/15 19:33	206-44-0	
Fluorene	<0.36	ug/kg	11.6	0.36	1	08/07/15 13:38	08/08/15 19:33	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.45	ug/kg	11.6	0.45	1	08/07/15 13:38	08/08/15 19:33	193-39-5	
Naphthalene	<0.43	ug/kg	11.6	0.43	1	08/07/15 13:38	08/08/15 19:33	91-20-3	
Phenanthrene	0.89J	ug/kg	11.6	0.29	1	08/07/15 13:38	08/08/15 19:33	85-01-8	
Pyrene	0.78J	ug/kg	11.6	0.28	1	08/07/15 13:38	08/08/15 19:33	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	66	%	55-125		1	08/07/15 13:38	08/08/15 19:33	321-60-8	
p-Terphenyl-d14 (S)	77	%	30-150		1	08/07/15 13:38	08/08/15 19:33	1718-51-0	
<b>8260B MSV 5030 Med Level</b>									
Analytical Method: EPA 8260B      Preparation Method: EPA 5035/5030B									
Acetone	<256	ug/kg	1140	256	1	08/13/15 09:10	08/14/15 18:43	67-64-1	
Allyl chloride	<13.9	ug/kg	228	13.9	1	08/13/15 09:10	08/14/15 18:43	107-05-1	
Benzene	<8.0	ug/kg	22.8	8.0	1	08/13/15 09:10	08/14/15 18:43	71-43-2	
Bromobenzene	<13.8	ug/kg	57.1	13.8	1	08/13/15 09:10	08/14/15 18:43	108-86-1	
Bromochloromethane	<10.9	ug/kg	57.1	10.9	1	08/13/15 09:10	08/14/15 18:43	74-97-5	
Bromodichloromethane	<10.2	ug/kg	57.1	10.2	1	08/13/15 09:10	08/14/15 18:43	75-27-4	
Bromoform	<13.6	ug/kg	228	13.6	1	08/13/15 09:10	08/14/15 18:43	75-25-2	
Bromomethane	<100	ug/kg	571	100	1	08/13/15 09:10	08/14/15 18:43	74-83-9	
2-Butanone (MEK)	<94.8	ug/kg	285	94.8	1	08/13/15 09:10	08/14/15 18:43	78-93-3	
n-Butylbenzene	<10.7	ug/kg	57.1	10.7	1	08/13/15 09:10	08/14/15 18:43	104-51-8	
sec-Butylbenzene	<11.6	ug/kg	57.1	11.6	1	08/13/15 09:10	08/14/15 18:43	135-98-8	
tert-Butylbenzene	<15.3	ug/kg	57.1	15.3	1	08/13/15 09:10	08/14/15 18:43	98-06-6	
Carbon tetrachloride	<13.8	ug/kg	57.1	13.8	1	08/13/15 09:10	08/14/15 18:43	56-23-5	
Chlorobenzene	<9.3	ug/kg	57.1	9.3	1	08/13/15 09:10	08/14/15 18:43	108-90-7	
Chloroethane	<27.3	ug/kg	57.1	27.3	1	08/13/15 09:10	08/14/15 18:43	75-00-3	
Chloroform	<9.6	ug/kg	57.1	9.6	1	08/13/15 09:10	08/14/15 18:43	67-66-3	
Chloromethane	<11.5	ug/kg	228	11.5	1	08/13/15 09:10	08/14/15 18:43	74-87-3	
2-Chlorotoluene	<11.8	ug/kg	57.1	11.8	1	08/13/15 09:10	08/14/15 18:43	95-49-8	
4-Chlorotoluene	<10.7	ug/kg	57.1	10.7	1	08/13/15 09:10	08/14/15 18:43	106-43-4	
1,2-Dibromo-3-chloropropane	<44.2	ug/kg	57.1	44.2	1	08/13/15 09:10	08/14/15 18:43	96-12-8	
Dibromochloromethane	<8.8	ug/kg	57.1	8.8	1	08/13/15 09:10	08/14/15 18:43	124-48-1	
1,2-Dibromoethane (EDB)	<9.2	ug/kg	57.1	9.2	1	08/13/15 09:10	08/14/15 18:43	106-93-4	
Dibromomethane	<13.5	ug/kg	57.1	13.5	1	08/13/15 09:10	08/14/15 18:43	74-95-3	
1,2-Dichlorobenzene	<13.8	ug/kg	57.1	13.8	1	08/13/15 09:10	08/14/15 18:43	95-50-1	
1,3-Dichlorobenzene	<13.9	ug/kg	57.1	13.9	1	08/13/15 09:10	08/14/15 18:43	541-73-1	
1,4-Dichlorobenzene	<12.1	ug/kg	57.1	12.1	1	08/13/15 09:10	08/14/15 18:43	106-46-7	

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## ANALYTICAL RESULTS

Project: IE/Fagerlin  
Pace Project No.: 10317272

**Sample: GP-3 (6-8)**      **Lab ID: 10317272003**      Collected: 08/06/15 10:42      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260B MSV 5030 Med Level</b>									
Analytical Method: EPA 8260B    Preparation Method: EPA 5035/5030B									
Dichlorodifluoromethane	<14.0	ug/kg	228	14.0	1	08/13/15 09:10	08/14/15 18:43	75-71-8	
1,1-Dichloroethane	<10.9	ug/kg	57.1	10.9	1	08/13/15 09:10	08/14/15 18:43	75-34-3	
1,2-Dichloroethane	<12.8	ug/kg	57.1	12.8	1	08/13/15 09:10	08/14/15 18:43	107-06-2	
1,1-Dichloroethene	<13.0	ug/kg	57.1	13.0	1	08/13/15 09:10	08/14/15 18:43	75-35-4	
cis-1,2-Dichloroethene	<20.3	ug/kg	57.1	20.3	1	08/13/15 09:10	08/14/15 18:43	156-59-2	
trans-1,2-Dichloroethene	<9.4	ug/kg	57.1	9.4	1	08/13/15 09:10	08/14/15 18:43	156-60-5	
Dichlorofluoromethane	<53.7	ug/kg	571	53.7	1	08/13/15 09:10	08/14/15 18:43	75-43-4	
1,2-Dichloropropane	<11.6	ug/kg	57.1	11.6	1	08/13/15 09:10	08/14/15 18:43	78-87-5	
1,3-Dichloropropane	<8.9	ug/kg	57.1	8.9	1	08/13/15 09:10	08/14/15 18:43	142-28-9	
2,2-Dichloropropane	<23.1	ug/kg	228	23.1	1	08/13/15 09:10	08/14/15 18:43	594-20-7	
1,1-Dichloropropene	<11.4	ug/kg	57.1	11.4	1	08/13/15 09:10	08/14/15 18:43	563-58-6	
cis-1,3-Dichloropropene	<5.9	ug/kg	57.1	5.9	1	08/13/15 09:10	08/14/15 18:43	10061-01-5	
trans-1,3-Dichloropropene	<22.2	ug/kg	57.1	22.2	1	08/13/15 09:10	08/14/15 18:43	10061-02-6	
Diethyl ether (Ethyl ether)	<18.6	ug/kg	228	18.6	1	08/13/15 09:10	08/14/15 18:43	60-29-7	
Ethylbenzene	<8.5	ug/kg	57.1	8.5	1	08/13/15 09:10	08/14/15 18:43	100-41-4	
Hexachloro-1,3-butadiene	<24.3	ug/kg	285	24.3	1	08/13/15 09:10	08/14/15 18:43	87-68-3	
Isopropylbenzene (Cumene)	<10.4	ug/kg	57.1	10.4	1	08/13/15 09:10	08/14/15 18:43	98-82-8	
p-Isopropyltoluene	<10	ug/kg	57.1	10	1	08/13/15 09:10	08/14/15 18:43	99-87-6	
Methylene Chloride	<17.0	ug/kg	228	17.0	1	08/13/15 09:10	08/14/15 18:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	<72.6	ug/kg	285	72.6	1	08/13/15 09:10	08/14/15 18:43	108-10-1	
Methyl-tert-butyl ether	<10.7	ug/kg	57.1	10.7	1	08/13/15 09:10	08/14/15 18:43	1634-04-4	
Naphthalene	<82.3	ug/kg	228	82.3	1	08/13/15 09:10	08/14/15 18:43	91-20-3	
n-Propylbenzene	<12.2	ug/kg	57.1	12.2	1	08/13/15 09:10	08/14/15 18:43	103-65-1	
Styrene	<9.1	ug/kg	57.1	9.1	1	08/13/15 09:10	08/14/15 18:43	100-42-5	
1,1,1,2-Tetrachloroethane	<11.0	ug/kg	57.1	11.0	1	08/13/15 09:10	08/14/15 18:43	630-20-6	
1,1,1,2,2-Tetrachloroethane	<10.9	ug/kg	57.1	10.9	1	08/13/15 09:10	08/14/15 18:43	79-34-5	
Tetrachloroethene	<11.8	ug/kg	57.1	11.8	1	08/13/15 09:10	08/14/15 18:43	127-18-4	
Tetrahydrofuran	<90.3	ug/kg	2280	90.3	1	08/13/15 09:10	08/14/15 18:43	109-99-9	
Toluene	<10.9	ug/kg	57.1	10.9	1	08/13/15 09:10	08/14/15 18:43	108-88-3	
1,2,3-Trichlorobenzene	<22.2	ug/kg	57.1	22.2	1	08/13/15 09:10	08/14/15 18:43	87-61-6	
1,2,4-Trichlorobenzene	<10.4	ug/kg	57.1	10.4	1	08/13/15 09:10	08/14/15 18:43	120-82-1	
1,1,1-Trichloroethane	<11.1	ug/kg	57.1	11.1	1	08/13/15 09:10	08/14/15 18:43	71-55-6	
1,1,2-Trichloroethane	<15.6	ug/kg	57.1	15.6	1	08/13/15 09:10	08/14/15 18:43	79-00-5	
Trichloroethene	<13.8	ug/kg	57.1	13.8	1	08/13/15 09:10	08/14/15 18:43	79-01-6	
Trichlorofluoromethane	<39.5	ug/kg	228	39.5	1	08/13/15 09:10	08/14/15 18:43	75-69-4	
1,2,3-Trichloropropane	<15.8	ug/kg	228	15.8	1	08/13/15 09:10	08/14/15 18:43	96-18-4	
1,1,2-Trichlorotrifluoroethane	<13.5	ug/kg	228	13.5	1	08/13/15 09:10	08/14/15 18:43	76-13-1	
1,2,4-Trimethylbenzene	<11.4	ug/kg	57.1	11.4	1	08/13/15 09:10	08/14/15 18:43	95-63-6	
1,3,5-Trimethylbenzene	<11.0	ug/kg	57.1	11.0	1	08/13/15 09:10	08/14/15 18:43	108-67-8	
Vinyl chloride	<10.3	ug/kg	22.8	10.3	1	08/13/15 09:10	08/14/15 18:43	75-01-4	
Xylene (Total)	<34.2	ug/kg	171	34.2	1	08/13/15 09:10	08/14/15 18:43	1330-20-7	
<b>Surrogates</b>									
1,2-Dichloroethane-d4 (S)	116	%	55-150		1	08/13/15 09:10	08/14/15 18:43	17060-07-0	
Toluene-d8 (S)	106	%	61-125		1	08/13/15 09:10	08/14/15 18:43	2037-26-5	
4-Bromofluorobenzene (S)	99	%	54-131		1	08/13/15 09:10	08/14/15 18:43	460-00-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: IE/Fagerlin  
Pace Project No.: 10317272

**Sample: GP-4 (0-2)**      **Lab ID: 10317272004**      Collected: 08/06/15 11:20      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b>									
Analytical Method: WI MOD GRO    Preparation Method: EPA 5030 Medium Soil									
Gasoline Range Organics	<b>25.5</b>	mg/kg	13.0	2.6	1	08/12/15 09:27	08/14/15 14:09		
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	118	%	80-150		1	08/12/15 09:27	08/14/15 14:09	98-08-8	
<b>Dry Weight</b>									
Analytical Method: ASTM D2974									
Percent Moisture	<b>23.4</b>	%	0.10	0.10	1		08/11/15 20:04		
<b>8270D MSSV PAH by SIM</b>									
Analytical Method: EPA 8270D by SIM    Preparation Method: EPA 3550									
Acenaphthene	<b>49.5</b>	ug/kg	13.0	0.47	1	08/07/15 13:38	08/08/15 20:37	83-32-9	
Acenaphthylene	<b>54.9</b>	ug/kg	13.0	0.44	1	08/07/15 13:38	08/08/15 20:37	208-96-8	
Anthracene	<b>144</b>	ug/kg	13.0	0.40	1	08/07/15 13:38	08/08/15 20:37	120-12-7	
Benzo(a)anthracene	<b>430</b>	ug/kg	13.0	0.24	1	08/07/15 13:38	08/08/15 20:37	56-55-3	
Benzo(a)pyrene	<b>419</b>	ug/kg	13.0	0.26	1	08/07/15 13:38	08/08/15 20:37	50-32-8	
Benzo(b)fluoranthene	<b>530</b>	ug/kg	65.1	2.3	5	08/07/15 13:38	08/10/15 09:20	205-99-2	
Benzo(g,h,i)perylene	<b>256</b>	ug/kg	13.0	0.46	1	08/07/15 13:38	08/08/15 20:37	191-24-2	
Benzo(k)fluoranthene	<b>271</b>	ug/kg	13.0	0.52	1	08/07/15 13:38	08/08/15 20:37	207-08-9	
Chrysene	<b>534</b>	ug/kg	65.1	1.6	5	08/07/15 13:38	08/10/15 09:20	218-01-9	
Dibenz(a,h)anthracene	<b>85.6</b>	ug/kg	13.0	0.56	1	08/07/15 13:38	08/08/15 20:37	53-70-3	
Fluoranthene	<b>957</b>	ug/kg	65.1	1.4	5	08/07/15 13:38	08/10/15 09:20	206-44-0	
Fluorene	<b>52.3</b>	ug/kg	13.0	0.40	1	08/07/15 13:38	08/08/15 20:37	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>215</b>	ug/kg	13.0	0.50	1	08/07/15 13:38	08/08/15 20:37	193-39-5	
Naphthalene	<b>34.4</b>	ug/kg	13.0	0.48	1	08/07/15 13:38	08/08/15 20:37	91-20-3	
Phenanthrene	<b>609</b>	ug/kg	65.1	1.6	5	08/07/15 13:38	08/10/15 09:20	85-01-8	
Pyrene	<b>873</b>	ug/kg	65.1	1.6	5	08/07/15 13:38	08/10/15 09:20	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	70	%	55-125		1	08/07/15 13:38	08/08/15 20:37	321-60-8	
p-Terphenyl-d14 (S)	82	%	30-150		1	08/07/15 13:38	08/08/15 20:37	1718-51-0	
<b>8260B MSV 5030 Med Level</b>									
Analytical Method: EPA 8260B    Preparation Method: EPA 5035/5030B									
Acetone	<b>&lt;284</b>	ug/kg	1270	284	1	08/13/15 09:10	08/14/15 19:03	67-64-1	
Allyl chloride	<b>&lt;15.5</b>	ug/kg	254	15.5	1	08/13/15 09:10	08/14/15 19:03	107-05-1	
Benzene	<b>&lt;8.9</b>	ug/kg	25.4	8.9	1	08/13/15 09:10	08/14/15 19:03	71-43-2	
Bromobenzene	<b>&lt;15.3</b>	ug/kg	63.4	15.3	1	08/13/15 09:10	08/14/15 19:03	108-86-1	
Bromochloromethane	<b>&lt;12.1</b>	ug/kg	63.4	12.1	1	08/13/15 09:10	08/14/15 19:03	74-97-5	
Bromodichloromethane	<b>&lt;11.3</b>	ug/kg	63.4	11.3	1	08/13/15 09:10	08/14/15 19:03	75-27-4	
Bromoform	<b>&lt;15.1</b>	ug/kg	254	15.1	1	08/13/15 09:10	08/14/15 19:03	75-25-2	
Bromomethane	<b>&lt;111</b>	ug/kg	634	111	1	08/13/15 09:10	08/14/15 19:03	74-83-9	
2-Butanone (MEK)	<b>&lt;105</b>	ug/kg	317	105	1	08/13/15 09:10	08/14/15 19:03	78-93-3	
n-Butylbenzene	<b>&lt;11.9</b>	ug/kg	63.4	11.9	1	08/13/15 09:10	08/14/15 19:03	104-51-8	
sec-Butylbenzene	<b>&lt;12.9</b>	ug/kg	63.4	12.9	1	08/13/15 09:10	08/14/15 19:03	135-98-8	
tert-Butylbenzene	<b>&lt;17.0</b>	ug/kg	63.4	17.0	1	08/13/15 09:10	08/14/15 19:03	98-06-6	
Carbon tetrachloride	<b>&lt;15.3</b>	ug/kg	63.4	15.3	1	08/13/15 09:10	08/14/15 19:03	56-23-5	
Chlorobenzene	<b>&lt;10.3</b>	ug/kg	63.4	10.3	1	08/13/15 09:10	08/14/15 19:03	108-90-7	
Chloroethane	<b>&lt;30.3</b>	ug/kg	634	30.3	1	08/13/15 09:10	08/14/15 19:03	75-00-3	
Chloroform	<b>&lt;10.6</b>	ug/kg	63.4	10.6	1	08/13/15 09:10	08/14/15 19:03	67-66-3	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: IE/Fagerlin  
Pace Project No.: 10317272

**Sample: GP-4 (0-2)**      **Lab ID: 10317272004**      Collected: 08/06/15 11:20      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260B MSV 5030 Med Level</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B							
Chloromethane	<12.8	ug/kg	254	12.8	1	08/13/15 09:10	08/14/15 19:03	74-87-3	
2-Chlorotoluene	<13.1	ug/kg	63.4	13.1	1	08/13/15 09:10	08/14/15 19:03	95-49-8	
4-Chlorotoluene	<11.9	ug/kg	63.4	11.9	1	08/13/15 09:10	08/14/15 19:03	106-43-4	
1,2-Dibromo-3-chloropropane	<49.1	ug/kg	634	49.1	1	08/13/15 09:10	08/14/15 19:03	96-12-8	
Dibromochloromethane	<9.8	ug/kg	63.4	9.8	1	08/13/15 09:10	08/14/15 19:03	124-48-1	
1,2-Dibromoethane (EDB)	<10.2	ug/kg	63.4	10.2	1	08/13/15 09:10	08/14/15 19:03	106-93-4	
Dibromomethane	<15.0	ug/kg	63.4	15.0	1	08/13/15 09:10	08/14/15 19:03	74-95-3	
1,2-Dichlorobenzene	<15.3	ug/kg	63.4	15.3	1	08/13/15 09:10	08/14/15 19:03	95-50-1	
1,3-Dichlorobenzene	<15.5	ug/kg	63.4	15.5	1	08/13/15 09:10	08/14/15 19:03	541-73-1	
1,4-Dichlorobenzene	<13.4	ug/kg	63.4	13.4	1	08/13/15 09:10	08/14/15 19:03	106-46-7	
Dichlorodifluoromethane	<15.6	ug/kg	254	15.6	1	08/13/15 09:10	08/14/15 19:03	75-71-8	
1,1-Dichloroethane	<12.1	ug/kg	63.4	12.1	1	08/13/15 09:10	08/14/15 19:03	75-34-3	
1,2-Dichloroethane	<14.2	ug/kg	63.4	14.2	1	08/13/15 09:10	08/14/15 19:03	107-06-2	
1,1-Dichloroethene	<14.4	ug/kg	63.4	14.4	1	08/13/15 09:10	08/14/15 19:03	75-35-4	
cis-1,2-Dichloroethene	<22.6	ug/kg	63.4	22.6	1	08/13/15 09:10	08/14/15 19:03	156-59-2	
trans-1,2-Dichloroethene	<10.4	ug/kg	63.4	10.4	1	08/13/15 09:10	08/14/15 19:03	156-60-5	
Dichlorofluoromethane	<59.6	ug/kg	634	59.6	1	08/13/15 09:10	08/14/15 19:03	75-43-4	
1,2-Dichloropropane	<12.9	ug/kg	63.4	12.9	1	08/13/15 09:10	08/14/15 19:03	78-87-5	
1,3-Dichloropropane	<9.9	ug/kg	63.4	9.9	1	08/13/15 09:10	08/14/15 19:03	142-28-9	
2,2-Dichloropropane	<25.6	ug/kg	254	25.6	1	08/13/15 09:10	08/14/15 19:03	594-20-7	
1,1-Dichloropropene	<12.7	ug/kg	63.4	12.7	1	08/13/15 09:10	08/14/15 19:03	563-58-6	
cis-1,3-Dichloropropene	<6.6	ug/kg	63.4	6.6	1	08/13/15 09:10	08/14/15 19:03	10061-01-5	
trans-1,3-Dichloropropene	<24.6	ug/kg	63.4	24.6	1	08/13/15 09:10	08/14/15 19:03	10061-02-6	
Diethyl ether (Ethyl ether)	<20.7	ug/kg	254	20.7	1	08/13/15 09:10	08/14/15 19:03	60-29-7	
Ethylbenzene	<9.5	ug/kg	63.4	9.5	1	08/13/15 09:10	08/14/15 19:03	100-41-4	
Hexachloro-1,3-butadiene	<27.0	ug/kg	317	27.0	1	08/13/15 09:10	08/14/15 19:03	87-68-3	
Isopropylbenzene (Cumene)	<11.5	ug/kg	63.4	11.5	1	08/13/15 09:10	08/14/15 19:03	98-82-8	
p-Isopropyltoluene	<11.1	ug/kg	63.4	11.1	1	08/13/15 09:10	08/14/15 19:03	99-87-6	
Methylene Chloride	47.5J	ug/kg	254	18.9	1	08/13/15 09:10	08/14/15 19:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	<80.6	ug/kg	317	80.6	1	08/13/15 09:10	08/14/15 19:03	108-10-1	
Methyl-tert-butyl ether	<11.9	ug/kg	63.4	11.9	1	08/13/15 09:10	08/14/15 19:03	1634-04-4	
Naphthalene	<91.4	ug/kg	254	91.4	1	08/13/15 09:10	08/14/15 19:03	91-20-3	
n-Propylbenzene	<13.6	ug/kg	63.4	13.6	1	08/13/15 09:10	08/14/15 19:03	103-65-1	
Styrene	<10.1	ug/kg	63.4	10.1	1	08/13/15 09:10	08/14/15 19:03	100-42-5	
1,1,1,2-Tetrachloroethane	<12.2	ug/kg	63.4	12.2	1	08/13/15 09:10	08/14/15 19:03	630-20-6	
1,1,2,2-Tetrachloroethane	<12.1	ug/kg	63.4	12.1	1	08/13/15 09:10	08/14/15 19:03	79-34-5	
Tetrachloroethene	<13.1	ug/kg	63.4	13.1	1	08/13/15 09:10	08/14/15 19:03	127-18-4	
Tetrahydrofuran	<100	ug/kg	2540	100	1	08/13/15 09:10	08/14/15 19:03	109-99-9	
Toluene	39.1J	ug/kg	63.4	12.2	1	08/13/15 09:10	08/14/15 19:03	108-88-3	
1,2,3-Trichlorobenzene	<24.6	ug/kg	63.4	24.6	1	08/13/15 09:10	08/14/15 19:03	87-61-6	
1,2,4-Trichlorobenzene	<11.5	ug/kg	63.4	11.5	1	08/13/15 09:10	08/14/15 19:03	120-82-1	
1,1,1-Trichloroethane	<12.3	ug/kg	63.4	12.3	1	08/13/15 09:10	08/14/15 19:03	71-55-6	
1,1,2-Trichloroethane	<17.4	ug/kg	63.4	17.4	1	08/13/15 09:10	08/14/15 19:03	79-00-5	
Trichloroethene	<15.3	ug/kg	63.4	15.3	1	08/13/15 09:10	08/14/15 19:03	79-01-6	
Trichlorofluoromethane	<43.9	ug/kg	254	43.9	1	08/13/15 09:10	08/14/15 19:03	75-69-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: IE/Fagerlin  
Pace Project No.: 10317272

**Sample: GP-4 (0-2')**      **Lab ID: 10317272004**      Collected: 08/06/15 11:20      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260B MSV 5030 Med Level</b>									
Analytical Method: EPA 8260B    Preparation Method: EPA 5035/5030B									
1,2,3-Trichloropropane	<17.5	ug/kg	254	17.5	1	08/13/15 09:10	08/14/15 19:03	96-18-4	
1,1,2-Trichlorotrifluoroethane	<15.0	ug/kg	254	15.0	1	08/13/15 09:10	08/14/15 19:03	76-13-1	
1,2,4-Trimethylbenzene	<12.7	ug/kg	63.4	12.7	1	08/13/15 09:10	08/14/15 19:03	95-63-6	
1,3,5-Trimethylbenzene	<12.3	ug/kg	63.4	12.3	1	08/13/15 09:10	08/14/15 19:03	108-67-8	
Vinyl chloride	<11.4	ug/kg	25.4	11.4	1	08/13/15 09:10	08/14/15 19:03	75-01-4	
Xylene (Total)	<37.9	ug/kg	190	37.9	1	08/13/15 09:10	08/14/15 19:03	1330-20-7	
<b>Surrogates</b>									
1,2-Dichloroethane-d4 (S)	100	%	55-150		1	08/13/15 09:10	08/14/15 19:03	17060-07-0	
Toluene-d8 (S)	103	%	61-125		1	08/13/15 09:10	08/14/15 19:03	2037-26-5	
4-Bromofluorobenzene (S)	99	%	54-131		1	08/13/15 09:10	08/14/15 19:03	460-00-4	

**Sample: GP-5 (8-10')**      **Lab ID: 10317272005**      Collected: 08/06/15 12:10      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b>									
Analytical Method: WI MOD GRO    Preparation Method: EPA 5030 Medium Soil									
Gasoline Range Organics	<2.7	mg/kg	13.3	2.7	1	08/12/15 09:27	08/13/15 00:33		
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	131	%	80-150		1	08/12/15 09:27	08/13/15 00:33	98-08-8	
<b>Dry Weight</b>									
Analytical Method: ASTM D2974									
Percent Moisture	23.3	%	0.10	0.10	1		08/11/15 20:05		
<b>8270D MSSV PAH by SIM</b>									
Analytical Method: EPA 8270D by SIM    Preparation Method: EPA 3550									
Acenaphthene	<0.47	ug/kg	12.9	0.47	1	08/07/15 13:38	08/08/15 19:54	83-32-9	
Acenaphthylene	<0.44	ug/kg	12.9	0.44	1	08/07/15 13:38	08/08/15 19:54	208-96-8	
Anthracene	<0.40	ug/kg	12.9	0.40	1	08/07/15 13:38	08/08/15 19:54	120-12-7	
Benzo(a)anthracene	<0.24	ug/kg	12.9	0.24	1	08/07/15 13:38	08/08/15 19:54	56-55-3	
Benzo(a)pyrene	<0.26	ug/kg	12.9	0.26	1	08/07/15 13:38	08/08/15 19:54	50-32-8	
Benzo(b)fluoranthene	<0.45	ug/kg	12.9	0.45	1	08/07/15 13:38	08/08/15 19:54	205-99-2	
Benzo(g,h,i)perylene	<0.46	ug/kg	12.9	0.46	1	08/07/15 13:38	08/08/15 19:54	191-24-2	
Benzo(k)fluoranthene	<0.52	ug/kg	12.9	0.52	1	08/07/15 13:38	08/08/15 19:54	207-08-9	
Chrysene	<0.32	ug/kg	12.9	0.32	1	08/07/15 13:38	08/08/15 19:54	218-01-9	
Dibenz(a,h)anthracene	<0.56	ug/kg	12.9	0.56	1	08/07/15 13:38	08/08/15 19:54	53-70-3	
Fluoranthene	0.69J	ug/kg	12.9	0.28	1	08/07/15 13:38	08/08/15 19:54	206-44-0	
Fluorene	<0.40	ug/kg	12.9	0.40	1	08/07/15 13:38	08/08/15 19:54	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.50	ug/kg	12.9	0.50	1	08/07/15 13:38	08/08/15 19:54	193-39-5	
Naphthalene	<0.48	ug/kg	12.9	0.48	1	08/07/15 13:38	08/08/15 19:54	91-20-3	
Phenanthrene	0.70J	ug/kg	12.9	0.32	1	08/07/15 13:38	08/08/15 19:54	85-01-8	
Pyrene	0.40J	ug/kg	12.9	0.31	1	08/07/15 13:38	08/08/15 19:54	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	64	%	55-125		1	08/07/15 13:38	08/08/15 19:54	321-60-8	
p-Terphenyl-d14 (S)	79	%	30-150		1	08/07/15 13:38	08/08/15 19:54	1718-51-0	

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## ANALYTICAL RESULTS

Project: IE/Fagerlin

Pace Project No.: 10317272

**Sample: GP-5 (8-10')**      **Lab ID: 10317272005**      Collected: 08/06/15 12:10      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260B MSV 5030 Med Level</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B							
Acetone	<282	ug/kg	1260	282	1	08/13/15 09:10	08/14/15 19:24	67-64-1	
Allyl chloride	<15.4	ug/kg	252	15.4	1	08/13/15 09:10	08/14/15 19:24	107-05-1	
Benzene	<8.8	ug/kg	25.2	8.8	1	08/13/15 09:10	08/14/15 19:24	71-43-2	
Bromobenzene	<15.2	ug/kg	63.0	15.2	1	08/13/15 09:10	08/14/15 19:24	108-86-1	
Bromochloromethane	<12.1	ug/kg	63.0	12.1	1	08/13/15 09:10	08/14/15 19:24	74-97-5	
Bromodichloromethane	<11.2	ug/kg	63.0	11.2	1	08/13/15 09:10	08/14/15 19:24	75-27-4	
Bromoform	<15.0	ug/kg	252	15.0	1	08/13/15 09:10	08/14/15 19:24	75-25-2	
Bromomethane	<111	ug/kg	630	111	1	08/13/15 09:10	08/14/15 19:24	74-83-9	
2-Butanone (MEK)	<104	ug/kg	315	104	1	08/13/15 09:10	08/14/15 19:24	78-93-3	
n-Butylbenzene	<11.8	ug/kg	63.0	11.8	1	08/13/15 09:10	08/14/15 19:24	104-51-8	
sec-Butylbenzene	<12.8	ug/kg	63.0	12.8	1	08/13/15 09:10	08/14/15 19:24	135-98-8	
tert-Butylbenzene	<16.9	ug/kg	63.0	16.9	1	08/13/15 09:10	08/14/15 19:24	98-06-6	
Carbon tetrachloride	<15.2	ug/kg	63.0	15.2	1	08/13/15 09:10	08/14/15 19:24	56-23-5	
Chlorobenzene	<10.2	ug/kg	63.0	10.2	1	08/13/15 09:10	08/14/15 19:24	108-90-7	
Chloroethane	<30.1	ug/kg	630	30.1	1	08/13/15 09:10	08/14/15 19:24	75-00-3	
Chloroform	<10.5	ug/kg	63.0	10.5	1	08/13/15 09:10	08/14/15 19:24	67-66-3	
Chloromethane	<12.7	ug/kg	252	12.7	1	08/13/15 09:10	08/14/15 19:24	74-87-3	
2-Chlorotoluene	<13.0	ug/kg	63.0	13.0	1	08/13/15 09:10	08/14/15 19:24	95-49-8	
4-Chlorotoluene	<11.8	ug/kg	63.0	11.8	1	08/13/15 09:10	08/14/15 19:24	106-43-4	
1,2-Dibromo-3-chloropropane	<48.7	ug/kg	630	48.7	1	08/13/15 09:10	08/14/15 19:24	96-12-8	
Dibromochloromethane	<9.7	ug/kg	63.0	9.7	1	08/13/15 09:10	08/14/15 19:24	124-48-1	
1,2-Dibromoethane (EDB)	<10.1	ug/kg	63.0	10.1	1	08/13/15 09:10	08/14/15 19:24	106-93-4	
Dibromomethane	<14.9	ug/kg	63.0	14.9	1	08/13/15 09:10	08/14/15 19:24	74-95-3	
1,2-Dichlorobenzene	<15.2	ug/kg	63.0	15.2	1	08/13/15 09:10	08/14/15 19:24	95-50-1	
1,3-Dichlorobenzene	<15.4	ug/kg	63.0	15.4	1	08/13/15 09:10	08/14/15 19:24	541-73-1	
1,4-Dichlorobenzene	<13.3	ug/kg	63.0	13.3	1	08/13/15 09:10	08/14/15 19:24	106-46-7	
Dichlorodifluoromethane	<15.5	ug/kg	252	15.5	1	08/13/15 09:10	08/14/15 19:24	75-71-8	
1,1-Dichloroethane	<12.0	ug/kg	63.0	12.0	1	08/13/15 09:10	08/14/15 19:24	75-34-3	
1,2-Dichloroethane	<14.1	ug/kg	63.0	14.1	1	08/13/15 09:10	08/14/15 19:24	107-06-2	
1,1-Dichloroethene	<14.4	ug/kg	63.0	14.4	1	08/13/15 09:10	08/14/15 19:24	75-35-4	
cis-1,2-Dichloroethene	<22.4	ug/kg	63.0	22.4	1	08/13/15 09:10	08/14/15 19:24	156-59-2	
trans-1,2-Dichloroethene	<10.3	ug/kg	63.0	10.3	1	08/13/15 09:10	08/14/15 19:24	156-60-5	
Dichlorofluoromethane	<59.2	ug/kg	630	59.2	1	08/13/15 09:10	08/14/15 19:24	75-43-4	
1,2-Dichloropropane	<12.8	ug/kg	63.0	12.8	1	08/13/15 09:10	08/14/15 19:24	78-87-5	
1,3-Dichloropropane	<9.9	ug/kg	63.0	9.9	1	08/13/15 09:10	08/14/15 19:24	142-28-9	
2,2-Dichloropropane	<25.4	ug/kg	252	25.4	1	08/13/15 09:10	08/14/15 19:24	594-20-7	
1,1-Dichloropropene	<12.6	ug/kg	63.0	12.6	1	08/13/15 09:10	08/14/15 19:24	563-58-6	
cis-1,3-Dichloropropene	<6.5	ug/kg	63.0	6.5	1	08/13/15 09:10	08/14/15 19:24	10061-01-5	
trans-1,3-Dichloropropene	<24.4	ug/kg	63.0	24.4	1	08/13/15 09:10	08/14/15 19:24	10061-02-6	
Diethyl ether (Ethyl ether)	<20.5	ug/kg	252	20.5	1	08/13/15 09:10	08/14/15 19:24	60-29-7	
Ethylbenzene	<9.4	ug/kg	63.0	9.4	1	08/13/15 09:10	08/14/15 19:24	100-41-4	
Hexachloro-1,3-butadiene	<26.8	ug/kg	315	26.8	1	08/13/15 09:10	08/14/15 19:24	87-68-3	
Isopropylbenzene (Cumene)	<11.4	ug/kg	63.0	11.4	1	08/13/15 09:10	08/14/15 19:24	98-82-8	
p-Isopropyltoluene	<11.0	ug/kg	63.0	11.0	1	08/13/15 09:10	08/14/15 19:24	99-87-6	
Methylene Chloride	<18.8	ug/kg	252	18.8	1	08/13/15 09:10	08/14/15 19:24	75-09-2	

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## ANALYTICAL RESULTS

Project: IE/Fagerlin  
Pace Project No.: 10317272

**Sample: GP-5 (8-10')**      **Lab ID: 10317272005**      Collected: 08/06/15 12:10      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260B MSV 5030 Med Level</b>									
Analytical Method: EPA 8260B    Preparation Method: EPA 5035/5030B									
4-Methyl-2-pentanone (MIBK)	<80.1	ug/kg	315	80.1	1	08/13/15 09:10	08/14/15 19:24	108-10-1	
Methyl-tert-butyl ether	<11.8	ug/kg	63.0	11.8	1	08/13/15 09:10	08/14/15 19:24	1634-04-4	
Naphthalene	<90.8	ug/kg	252	90.8	1	08/13/15 09:10	08/14/15 19:24	91-20-3	
n-Propylbenzene	<13.5	ug/kg	63.0	13.5	1	08/13/15 09:10	08/14/15 19:24	103-65-1	
Styrene	<10	ug/kg	63.0	10	1	08/13/15 09:10	08/14/15 19:24	100-42-5	
1,1,1,2-Tetrachloroethane	<12.1	ug/kg	63.0	12.1	1	08/13/15 09:10	08/14/15 19:24	630-20-6	
1,1,1,2,2-Tetrachloroethane	<12.0	ug/kg	63.0	12.0	1	08/13/15 09:10	08/14/15 19:24	79-34-5	
Tetrachloroethene	<13.0	ug/kg	63.0	13.0	1	08/13/15 09:10	08/14/15 19:24	127-18-4	
Tetrahydrofuran	<99.6	ug/kg	2520	99.6	1	08/13/15 09:10	08/14/15 19:24	109-99-9	
Toluene	<12.1	ug/kg	63.0	12.1	1	08/13/15 09:10	08/14/15 19:24	108-88-3	
1,2,3-Trichlorobenzene	<24.4	ug/kg	63.0	24.4	1	08/13/15 09:10	08/14/15 19:24	87-61-6	
1,2,4-Trichlorobenzene	<11.5	ug/kg	63.0	11.5	1	08/13/15 09:10	08/14/15 19:24	120-82-1	
1,1,1-Trichloroethane	<12.3	ug/kg	63.0	12.3	1	08/13/15 09:10	08/14/15 19:24	71-55-6	
1,1,2-Trichloroethane	<17.2	ug/kg	63.0	17.2	1	08/13/15 09:10	08/14/15 19:24	79-00-5	
Trichloroethene	<15.2	ug/kg	63.0	15.2	1	08/13/15 09:10	08/14/15 19:24	79-01-6	
Trichlorofluoromethane	<43.6	ug/kg	252	43.6	1	08/13/15 09:10	08/14/15 19:24	75-69-4	
1,2,3-Trichloropropane	<17.4	ug/kg	252	17.4	1	08/13/15 09:10	08/14/15 19:24	96-18-4	
1,1,2-Trichlorotrifluoroethane	<14.9	ug/kg	252	14.9	1	08/13/15 09:10	08/14/15 19:24	76-13-1	
1,2,4-Trimethylbenzene	<12.6	ug/kg	63.0	12.6	1	08/13/15 09:10	08/14/15 19:24	95-63-6	
1,3,5-Trimethylbenzene	<12.2	ug/kg	63.0	12.2	1	08/13/15 09:10	08/14/15 19:24	108-67-8	
Vinyl chloride	<11.3	ug/kg	25.2	11.3	1	08/13/15 09:10	08/14/15 19:24	75-01-4	
Xylene (Total)	<37.7	ug/kg	189	37.7	1	08/13/15 09:10	08/14/15 19:24	1330-20-7	
<b>Surrogates</b>									
1,2-Dichloroethane-d4 (S)	106	%	55-150		1	08/13/15 09:10	08/14/15 19:24	17060-07-0	
Toluene-d8 (S)	106	%	61-125		1	08/13/15 09:10	08/14/15 19:24	2037-26-5	
4-Bromofluorobenzene (S)	98	%	54-131		1	08/13/15 09:10	08/14/15 19:24	460-00-4	

**Sample: GP-3 (7-12')**      **Lab ID: 10317272006**      Collected: 08/06/15 11:00      Received: 08/06/15 18:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b>									
Analytical Method: WI MOD GRO									
Gasoline Range Organics	<18.0	ug/L	100	18.0	1		08/12/15 21:30		
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	98	%	80-150		1		08/12/15 21:30	98-08-8	pH
<b>8270D MSSV PAH by SIM</b>									
Analytical Method: EPA 8270D by SIM    Preparation Method: EPA 3510									
Acenaphthene	0.0064J	ug/L	0.047	0.0038	1	08/12/15 07:51	08/14/15 11:07	83-32-9	
Acenaphthylene	<0.0047	ug/L	0.047	0.0047	1	08/12/15 07:51	08/14/15 11:07	208-96-8	
Anthracene	0.0076J	ug/L	0.047	0.0052	1	08/12/15 07:51	08/14/15 11:07	120-12-7	
Benzo(a)anthracene	0.0067J	ug/L	0.047	0.0035	1	08/12/15 07:51	08/14/15 11:07	56-55-3	B
Benzo(a)pyrene	<0.0035	ug/L	0.047	0.0035	1	08/12/15 07:51	08/14/15 11:07	50-32-8	
Benzo(b)fluoranthene	<0.0090	ug/L	0.047	0.0090	1	08/12/15 07:51	08/14/15 11:07	205-99-2	

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### ANALYTICAL RESULTS

Project: IE/Fagerlin

Pace Project No.: 10317272

Sample: GP-3 (7-12') Lab ID: 10317272006 Collected: 08/06/15 11:00 Received: 08/06/15 18:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270D MSSV PAH by SIM</b>									
Analytical Method: EPA 8270D by SIM					Preparation Method: EPA 3510				
Benzo(g,h,i)perylene	<0.0063	ug/L	0.047	0.0063	1	08/12/15 07:51	08/14/15 11:07	191-24-2	
Benzo(k)fluoranthene	<0.0044	ug/L	0.047	0.0044	1	08/12/15 07:51	08/14/15 11:07	207-08-9	
Chrysene	<0.0062	ug/L	0.047	0.0062	1	08/12/15 07:51	08/14/15 11:07	218-01-9	
Dibenz(a,h)anthracene	<0.011	ug/L	0.047	0.011	1	08/12/15 07:51	08/14/15 11:07	53-70-3	
Fluoranthene	0.0096J	ug/L	0.047	0.0067	1	08/12/15 07:51	08/14/15 11:07	206-44-0	
Fluorene	0.012J	ug/L	0.047	0.0066	1	08/12/15 07:51	08/14/15 11:07	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.0065	ug/L	0.047	0.0065	1	08/12/15 07:51	08/14/15 11:07	193-39-5	
Naphthalene	0.021J	ug/L	0.047	0.011	1	08/12/15 07:51	08/14/15 11:07	91-20-3	B
Phenanthrene	0.036J	ug/L	0.047	0.015	1	08/12/15 07:51	08/14/15 11:07	85-01-8	
Pyrene	<0.0075	ug/L	0.047	0.0075	1	08/12/15 07:51	08/14/15 11:07	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	81	%	52-125		1	08/12/15 07:51	08/14/15 11:07	321-60-8	
p-Terphenyl-d14 (S)	88	%	62-125		1	08/12/15 07:51	08/14/15 11:07	1718-51-0	
<b>8260B VOC</b>									
Analytical Method: EPA 8260B									
Acetone	<7.1	ug/L	20.0	7.1	1		08/09/15 22:35	67-64-1	L3
Allyl chloride	<0.58	ug/L	4.0	0.58	1		08/09/15 22:35	107-05-1	
Benzene	<0.21	ug/L	1.0	0.21	1		08/09/15 22:35	71-43-2	
Bromobenzene	<0.25	ug/L	1.0	0.25	1		08/09/15 22:35	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/09/15 22:35	74-97-5	
Bromodichloromethane	<0.18	ug/L	1.0	0.18	1		08/09/15 22:35	75-27-4	
Bromoform	<0.41	ug/L	4.0	0.41	1		08/09/15 22:35	75-25-2	CL,L2
Bromomethane	<0.36	ug/L	4.0	0.36	1		08/09/15 22:35	74-83-9	L3
2-Butanone (MEK)	<2.5	ug/L	5.0	2.5	1		08/09/15 22:35	78-93-3	
n-Butylbenzene	<0.083	ug/L	1.0	0.083	1		08/09/15 22:35	104-51-8	
sec-Butylbenzene	<0.16	ug/L	1.0	0.16	1		08/09/15 22:35	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/09/15 22:35	98-06-6	
Carbon tetrachloride	<0.35	ug/L	1.0	0.35	1		08/09/15 22:35	56-23-5	
Chlorobenzene	<0.23	ug/L	1.0	0.23	1		08/09/15 22:35	108-90-7	
Chloroethane	<0.34	ug/L	1.0	0.34	1		08/09/15 22:35	75-00-3	
Chloroform	<0.27	ug/L	1.0	0.27	1		08/09/15 22:35	67-66-3	
Chloromethane	<0.64	ug/L	4.0	0.64	1		08/09/15 22:35	74-87-3	
2-Chlorotoluene	<0.22	ug/L	1.0	0.22	1		08/09/15 22:35	95-49-8	
4-Chlorotoluene	<0.24	ug/L	1.0	0.24	1		08/09/15 22:35	106-43-4	
1,2-Dibromo-3-chloropropane	<0.70	ug/L	4.0	0.70	1		08/09/15 22:35	96-12-8	
Dibromochloromethane	<0.16	ug/L	1.0	0.16	1		08/09/15 22:35	124-48-1	
1,2-Dibromoethane (EDB)	<0.23	ug/L	1.0	0.23	1		08/09/15 22:35	106-93-4	
Dibromomethane	<0.31	ug/L	4.0	0.31	1		08/09/15 22:35	74-95-3	
1,2-Dichlorobenzene	<0.22	ug/L	1.0	0.22	1		08/09/15 22:35	95-50-1	
1,3-Dichlorobenzene	<0.21	ug/L	1.0	0.21	1		08/09/15 22:35	541-73-1	
1,4-Dichlorobenzene	<0.16	ug/L	1.0	0.16	1		08/09/15 22:35	106-46-7	
Dichlorodifluoromethane	<0.49	ug/L	1.0	0.49	1		08/09/15 22:35	75-71-8	
1,1-Dichloroethane	<0.22	ug/L	1.0	0.22	1		08/09/15 22:35	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/09/15 22:35	107-06-2	
1,1-Dichloroethene	<0.22	ug/L	1.0	0.22	1		08/09/15 22:35	75-35-4	
cis-1,2-Dichloroethene	<0.25	ug/L	1.0	0.25	1		08/09/15 22:35	156-59-2	

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## ANALYTICAL RESULTS

Project: IE/Fagerlin

Pace Project No.: 10317272

**Sample: GP-3 (7-12')**      **Lab ID: 10317272006**      Collected: 08/06/15 11:00      Received: 08/06/15 18:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260B VOC</b> Analytical Method: EPA 8260B									
trans-1,2-Dichloroethene	<0.21	ug/L	1.0	0.21	1		08/09/15 22:35	156-60-5	
Dichlorofluoromethane	<0.22	ug/L	1.0	0.22	1		08/09/15 22:35	75-43-4	
1,2-Dichloropropane	<0.42	ug/L	4.0	0.42	1		08/09/15 22:35	78-87-5	
1,3-Dichloropropane	<0.24	ug/L	1.0	0.24	1		08/09/15 22:35	142-28-9	
2,2-Dichloropropane	<0.36	ug/L	4.0	0.36	1		08/09/15 22:35	594-20-7	
1,1-Dichloropropene	<0.16	ug/L	1.0	0.16	1		08/09/15 22:35	563-58-6	
cis-1,3-Dichloropropene	<0.21	ug/L	4.0	0.21	1		08/09/15 22:35	10061-01-5	
trans-1,3-Dichloropropene	<0.22	ug/L	4.0	0.22	1		08/09/15 22:35	10061-02-6	
Diethyl ether (Ethyl ether)	<0.38	ug/L	4.0	0.38	1		08/09/15 22:35	60-29-7	
Ethylbenzene	<0.23	ug/L	1.0	0.23	1		08/09/15 22:35	100-41-4	
Hexachloro-1,3-butadiene	<0.48	ug/L	1.0	0.48	1		08/09/15 22:35	87-68-3	
Isopropylbenzene (Cumene)	<0.17	ug/L	1.0	0.17	1		08/09/15 22:35	98-82-8	
p-Isopropyltoluene	<0.16	ug/L	1.0	0.16	1		08/09/15 22:35	99-87-6	
Methylene Chloride	<0.56	ug/L	4.0	0.56	1		08/09/15 22:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.4	ug/L	5.0	2.4	1		08/09/15 22:35	108-10-1	
Methyl-tert-butyl ether	<0.20	ug/L	1.0	0.20	1		08/09/15 22:35	1634-04-4	
Naphthalene	<0.14	ug/L	4.0	0.14	1		08/09/15 22:35	91-20-3	
n-Propylbenzene	<0.21	ug/L	1.0	0.21	1		08/09/15 22:35	103-65-1	
Styrene	<0.11	ug/L	1.0	0.11	1		08/09/15 22:35	100-42-5	
1,1,1,2-Tetrachloroethane	<0.20	ug/L	1.0	0.20	1		08/09/15 22:35	630-20-6	
1,1,2,2-Tetrachloroethane	<0.22	ug/L	1.0	0.22	1		08/09/15 22:35	79-34-5	
Tetrachloroethene	<0.19	ug/L	1.0	0.19	1		08/09/15 22:35	127-18-4	
Tetrahydrofuran	<4.0	ug/L	10.0	4.0	1		08/09/15 22:35	109-99-9	
Toluene	0.30J	ug/L	1.0	0.13	1		08/09/15 22:35	108-88-3	
1,2,3-Trichlorobenzene	<0.23	ug/L	1.0	0.23	1		08/09/15 22:35	87-61-6	
1,2,4-Trichlorobenzene	<0.22	ug/L	1.0	0.22	1		08/09/15 22:35	120-82-1	
1,1,1-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/09/15 22:35	71-55-6	
1,1,2-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/09/15 22:35	79-00-5	
Trichloroethene	<0.14	ug/L	0.40	0.14	1		08/09/15 22:35	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/09/15 22:35	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	4.0	0.50	1		08/09/15 22:35	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.42	ug/L	1.0	0.42	1		08/09/15 22:35	76-13-1	
1,2,4-Trimethylbenzene	<0.16	ug/L	1.0	0.16	1		08/09/15 22:35	95-63-6	
1,3,5-Trimethylbenzene	<0.20	ug/L	1.0	0.20	1		08/09/15 22:35	108-67-8	
Vinyl chloride	<0.15	ug/L	0.40	0.15	1		08/09/15 22:35	75-01-4	
Xylene (Total)	<0.60	ug/L	3.0	0.60	1		08/09/15 22:35	1330-20-7	
<b>Surrogates</b>									
1,2-Dichloroethane-d4 (S)	99	%	75-125		1		08/09/15 22:35	17060-07-0	
Toluene-d8 (S)	99	%	75-125		1		08/09/15 22:35	2037-26-5	
4-Bromofluorobenzene (S)	104	%	75-125		1		08/09/15 22:35	460-00-4	

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## ANALYTICAL RESULTS

Project: IE/Fagerlin

Pace Project No.: 10317272

**Sample:** HA-1      **Lab ID:** 10317272007      Collected: 08/06/15 12:25      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b>									
Analytical Method: WI MOD GRO Preparation Method: EPA 5030 Medium Soil									
Gasoline Range Organics	<2.2	mg/kg	10.9	2.2	1	08/12/15 09:27	08/13/15 00:55		
<b>Surrogates</b>									
a,a,a-Trifluorotoluene (S)	130	%	80-150		1	08/12/15 09:27	08/13/15 00:55	98-08-8	
<b>Dry Weight</b>									
Analytical Method: ASTM D2974									
Percent Moisture	3.3	%	0.10	0.10	1		08/11/15 20:05		
<b>8270D MSSV PAH by SIM</b>									
Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3550									
Acenaphthene	0.38J	ug/kg	10.3	0.37	1	08/07/15 13:38	08/08/15 20:16	83-32-9	
Acenaphthylene	<0.35	ug/kg	10.3	0.35	1	08/07/15 13:38	08/08/15 20:16	208-96-8	
Anthracene	0.76J	ug/kg	10.3	0.32	1	08/07/15 13:38	08/08/15 20:16	120-12-7	
Benzo(a)anthracene	2.6J	ug/kg	10.3	0.19	1	08/07/15 13:38	08/08/15 20:16	56-55-3	
Benzo(a)pyrene	2.6J	ug/kg	10.3	0.20	1	08/07/15 13:38	08/08/15 20:16	50-32-8	
Benzo(b)fluoranthene	4.5J	ug/kg	10.3	0.36	1	08/07/15 13:38	08/08/15 20:16	205-99-2	
Benzo(g,h,i)perylene	2.7J	ug/kg	10.3	0.37	1	08/07/15 13:38	08/08/15 20:16	191-24-2	
Benzo(k)fluoranthene	1.7J	ug/kg	10.3	0.41	1	08/07/15 13:38	08/08/15 20:16	207-08-9	
Chrysene	4.1J	ug/kg	10.3	0.25	1	08/07/15 13:38	08/08/15 20:16	218-01-9	
Dibenz(a,h)anthracene	0.58J	ug/kg	10.3	0.44	1	08/07/15 13:38	08/08/15 20:16	53-70-3	
Fluoranthene	5.4J	ug/kg	10.3	0.23	1	08/07/15 13:38	08/08/15 20:16	206-44-0	
Fluorene	0.65J	ug/kg	10.3	0.32	1	08/07/15 13:38	08/08/15 20:16	86-73-7	
Indeno(1,2,3-cd)pyrene	1.9J	ug/kg	10.3	0.40	1	08/07/15 13:38	08/08/15 20:16	193-39-5	
Naphthalene	0.67J	ug/kg	10.3	0.38	1	08/07/15 13:38	08/08/15 20:16	91-20-3	
Phenanthrene	3.4J	ug/kg	10.3	0.26	1	08/07/15 13:38	08/08/15 20:16	85-01-8	
Pyrene	4.7J	ug/kg	10.3	0.25	1	08/07/15 13:38	08/08/15 20:16	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	66	%	55-125		1	08/07/15 13:38	08/08/15 20:16	321-60-8	
p-Terphenyl-d14 (S)	71	%	30-150		1	08/07/15 13:38	08/08/15 20:16	1718-51-0	
<b>8260B MSV 5030 Med Level</b>									
Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B									
Acetone	<257	ug/kg	1150	257	1	08/13/15 09:10	08/14/15 19:45	67-64-1	
Allyl chloride	<14.0	ug/kg	229	14.0	1	08/13/15 09:10	08/14/15 19:45	107-05-1	
Benzene	<8.0	ug/kg	22.9	8.0	1	08/13/15 09:10	08/14/15 19:45	71-43-2	
Bromobenzene	<13.9	ug/kg	57.4	13.9	1	08/13/15 09:10	08/14/15 19:45	108-86-1	
Bromochloromethane	<11.0	ug/kg	57.4	11.0	1	08/13/15 09:10	08/14/15 19:45	74-97-5	
Bromodichloromethane	<10.2	ug/kg	57.4	10.2	1	08/13/15 09:10	08/14/15 19:45	75-27-4	
Bromoform	<13.7	ug/kg	229	13.7	1	08/13/15 09:10	08/14/15 19:45	75-25-2	
Bromomethane	<101	ug/kg	574	101	1	08/13/15 09:10	08/14/15 19:45	74-83-9	
2-Butanone (MEK)	<95.2	ug/kg	287	95.2	1	08/13/15 09:10	08/14/15 19:45	78-93-3	
n-Butylbenzene	<10.8	ug/kg	57.4	10.8	1	08/13/15 09:10	08/14/15 19:45	104-51-8	
sec-Butylbenzene	<11.7	ug/kg	57.4	11.7	1	08/13/15 09:10	08/14/15 19:45	135-98-8	
tert-Butylbenzene	<15.4	ug/kg	57.4	15.4	1	08/13/15 09:10	08/14/15 19:45	98-06-6	
Carbon tetrachloride	<13.9	ug/kg	57.4	13.9	1	08/13/15 09:10	08/14/15 19:45	56-23-5	
Chlorobenzene	<9.3	ug/kg	57.4	9.3	1	08/13/15 09:10	08/14/15 19:45	108-90-7	
Chloroethane	<27.4	ug/kg	574	27.4	1	08/13/15 09:10	08/14/15 19:45	75-00-3	
Chloroform	<9.6	ug/kg	57.4	9.6	1	08/13/15 09:10	08/14/15 19:45	67-66-3	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: IE/Fagerlin  
Pace Project No.: 10317272

**Sample: HA-1**      **Lab ID: 10317272007**      Collected: 08/06/15 12:25      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260B MSV 5030 Med Level</b>		Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B							
Chloromethane	<11.6	ug/kg	229	11.6	1	08/13/15 09:10	08/14/15 19:45	74-87-3	
2-Chlorotoluene	<11.8	ug/kg	57.4	11.8	1	08/13/15 09:10	08/14/15 19:45	95-49-8	
4-Chlorotoluene	<10.8	ug/kg	57.4	10.8	1	08/13/15 09:10	08/14/15 19:45	106-43-4	
1,2-Dibromo-3-chloropropane	<44.4	ug/kg	574	44.4	1	08/13/15 09:10	08/14/15 19:45	96-12-8	
Dibromochloromethane	<8.9	ug/kg	57.4	8.9	1	08/13/15 09:10	08/14/15 19:45	124-48-1	
1,2-Dibromoethane (EDB)	<9.2	ug/kg	57.4	9.2	1	08/13/15 09:10	08/14/15 19:45	106-93-4	
Dibromomethane	<13.5	ug/kg	57.4	13.5	1	08/13/15 09:10	08/14/15 19:45	74-95-3	
1,2-Dichlorobenzene	<13.9	ug/kg	57.4	13.9	1	08/13/15 09:10	08/14/15 19:45	95-50-1	
1,3-Dichlorobenzene	<14.0	ug/kg	57.4	14.0	1	08/13/15 09:10	08/14/15 19:45	541-73-1	
1,4-Dichlorobenzene	<12.2	ug/kg	57.4	12.2	1	08/13/15 09:10	08/14/15 19:45	106-46-7	
Dichlorodifluoromethane	<14.1	ug/kg	229	14.1	1	08/13/15 09:10	08/14/15 19:45	75-71-8	
1,1-Dichloroethane	<11.0	ug/kg	57.4	11.0	1	08/13/15 09:10	08/14/15 19:45	75-34-3	
1,2-Dichloroethane	<12.9	ug/kg	57.4	12.9	1	08/13/15 09:10	08/14/15 19:45	107-06-2	
1,1-Dichloroethene	<13.1	ug/kg	57.4	13.1	1	08/13/15 09:10	08/14/15 19:45	75-35-4	
cis-1,2-Dichloroethene	<20.4	ug/kg	57.4	20.4	1	08/13/15 09:10	08/14/15 19:45	156-59-2	
trans-1,2-Dichloroethene	<9.4	ug/kg	57.4	9.4	1	08/13/15 09:10	08/14/15 19:45	156-60-5	
Dichlorofluoromethane	<53.9	ug/kg	574	53.9	1	08/13/15 09:10	08/14/15 19:45	75-43-4	
1,2-Dichloropropane	<11.7	ug/kg	57.4	11.7	1	08/13/15 09:10	08/14/15 19:45	78-87-5	
1,3-Dichloropropane	<9.0	ug/kg	57.4	9.0	1	08/13/15 09:10	08/14/15 19:45	142-28-9	
2,2-Dichloropropane	<23.2	ug/kg	229	23.2	1	08/13/15 09:10	08/14/15 19:45	594-20-7	
1,1-Dichloropropene	<11.5	ug/kg	57.4	11.5	1	08/13/15 09:10	08/14/15 19:45	563-58-6	
cis-1,3-Dichloropropene	<6.0	ug/kg	57.4	6.0	1	08/13/15 09:10	08/14/15 19:45	10061-01-5	
trans-1,3-Dichloropropene	<22.3	ug/kg	57.4	22.3	1	08/13/15 09:10	08/14/15 19:45	10061-02-6	
Diethyl ether (Ethyl ether)	<18.7	ug/kg	229	18.7	1	08/13/15 09:10	08/14/15 19:45	60-29-7	
Ethylbenzene	<8.6	ug/kg	57.4	8.6	1	08/13/15 09:10	08/14/15 19:45	100-41-4	
Hexachloro-1,3-butadiene	<24.4	ug/kg	287	24.4	1	08/13/15 09:10	08/14/15 19:45	87-68-3	
Isopropylbenzene (Cumene)	<10.4	ug/kg	57.4	10.4	1	08/13/15 09:10	08/14/15 19:45	98-82-8	
p-Isopropyltoluene	<10.0	ug/kg	57.4	10.0	1	08/13/15 09:10	08/14/15 19:45	99-87-6	
Methylene Chloride	<17.1	ug/kg	229	17.1	1	08/13/15 09:10	08/14/15 19:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	<73.0	ug/kg	287	73.0	1	08/13/15 09:10	08/14/15 19:45	108-10-1	
Methyl-tert-butyl ether	<10.8	ug/kg	57.4	10.8	1	08/13/15 09:10	08/14/15 19:45	1634-04-4	
Naphthalene	<82.7	ug/kg	229	82.7	1	08/13/15 09:10	08/14/15 19:45	91-20-3	
n-Propylbenzene	<12.3	ug/kg	57.4	12.3	1	08/13/15 09:10	08/14/15 19:45	103-65-1	
Styrene	<9.1	ug/kg	57.4	9.1	1	08/13/15 09:10	08/14/15 19:45	100-42-5	
1,1,1,2-Tetrachloroethane	<11.0	ug/kg	57.4	11.0	1	08/13/15 09:10	08/14/15 19:45	630-20-6	
1,1,1,2,2-Tetrachloroethane	<11.0	ug/kg	57.4	11.0	1	08/13/15 09:10	08/14/15 19:45	79-34-5	
Tetrachloroethene	<11.8	ug/kg	57.4	11.8	1	08/13/15 09:10	08/14/15 19:45	127-18-4	
Tetrahydrofuran	<90.8	ug/kg	2290	90.8	1	08/13/15 09:10	08/14/15 19:45	109-99-9	
Toluene	<11.0	ug/kg	57.4	11.0	1	08/13/15 09:10	08/14/15 19:45	108-88-3	
1,2,3-Trichlorobenzene	<22.3	ug/kg	57.4	22.3	1	08/13/15 09:10	08/14/15 19:45	87-61-6	
1,2,4-Trichlorobenzene	<10.4	ug/kg	57.4	10.4	1	08/13/15 09:10	08/14/15 19:45	120-82-1	
1,1,1-Trichloroethane	<11.2	ug/kg	57.4	11.2	1	08/13/15 09:10	08/14/15 19:45	71-55-6	
1,1,2-Trichloroethane	<15.7	ug/kg	57.4	15.7	1	08/13/15 09:10	08/14/15 19:45	79-00-5	
Trichloroethene	<13.9	ug/kg	57.4	13.9	1	08/13/15 09:10	08/14/15 19:45	79-01-6	
Trichlorofluoromethane	<39.7	ug/kg	229	39.7	1	08/13/15 09:10	08/14/15 19:45	75-69-4	

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## ANALYTICAL RESULTS

Project: IE/Fagerlin

Pace Project No.: 10317272

**Sample: HA-1**      **Lab ID: 10317272007**      Collected: 08/06/15 12:25      Received: 08/06/15 18:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260B MSV 5030 Med Level</b>									
Analytical Method: EPA 8260B    Preparation Method: EPA 5035/5030B									
1,2,3-Trichloropropane	<15.8	ug/kg	229	15.8	1	08/13/15 09:10	08/14/15 19:45	96-18-4	
1,1,2-Trichlorotrifluoroethane	<13.5	ug/kg	229	13.5	1	08/13/15 09:10	08/14/15 19:45	76-13-1	
1,2,4-Trimethylbenzene	<11.5	ug/kg	57.4	11.5	1	08/13/15 09:10	08/14/15 19:45	95-63-6	
1,3,5-Trimethylbenzene	<11.1	ug/kg	57.4	11.1	1	08/13/15 09:10	08/14/15 19:45	108-67-8	
Vinyl chloride	<10.3	ug/kg	22.9	10.3	1	08/13/15 09:10	08/14/15 19:45	75-01-4	
Xylene (Total)	<34.3	ug/kg	172	34.3	1	08/13/15 09:10	08/14/15 19:45	1330-20-7	
<b>Surrogates</b>									
1,2-Dichloroethane-d4 (S)	111	%	55-150		1	08/13/15 09:10	08/14/15 19:45	17060-07-0	
Toluene-d8 (S)	104	%	61-125		1	08/13/15 09:10	08/14/15 19:45	2037-26-5	
4-Bromofluorobenzene (S)	101	%	54-131		1	08/13/15 09:10	08/14/15 19:45	460-00-4	

**Sample: Trip Blank (HCl)**      **Lab ID: 10317272008**      Collected: 08/06/15 00:00      Received: 08/06/15 18:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260B VOC</b>									
Analytical Method: EPA 8260B									
Acetone	<7.1	ug/L	20.0	7.1	1		08/09/15 21:08	67-64-1	L3
Allyl chloride	<0.58	ug/L	4.0	0.58	1		08/09/15 21:08	107-05-1	
Benzene	<0.21	ug/L	1.0	0.21	1		08/09/15 21:08	71-43-2	
Bromobenzene	<0.25	ug/L	1.0	0.25	1		08/09/15 21:08	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/09/15 21:08	74-97-5	
Bromodichloromethane	<0.18	ug/L	1.0	0.18	1		08/09/15 21:08	75-27-4	
Bromoform	<0.41	ug/L	4.0	0.41	1		08/09/15 21:08	75-25-2	CL,L2
Bromomethane	<0.36	ug/L	4.0	0.36	1		08/09/15 21:08	74-83-9	L3
2-Butanone (MEK)	<2.5	ug/L	5.0	2.5	1		08/09/15 21:08	78-93-3	
n-Butylbenzene	<0.083	ug/L	1.0	0.083	1		08/09/15 21:08	104-51-8	
sec-Butylbenzene	<0.16	ug/L	1.0	0.16	1		08/09/15 21:08	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/09/15 21:08	98-06-6	
Carbon tetrachloride	<0.35	ug/L	1.0	0.35	1		08/09/15 21:08	56-23-5	
Chlorobenzene	<0.23	ug/L	1.0	0.23	1		08/09/15 21:08	108-90-7	
Chloroethane	<0.34	ug/L	1.0	0.34	1		08/09/15 21:08	75-00-3	
Chloroform	<0.27	ug/L	1.0	0.27	1		08/09/15 21:08	67-66-3	
Chloromethane	<0.64	ug/L	4.0	0.64	1		08/09/15 21:08	74-87-3	
2-Chlorotoluene	<0.22	ug/L	1.0	0.22	1		08/09/15 21:08	95-49-8	
4-Chlorotoluene	<0.24	ug/L	1.0	0.24	1		08/09/15 21:08	106-43-4	
1,2-Dibromo-3-chloropropane	<0.70	ug/L	4.0	0.70	1		08/09/15 21:08	96-12-8	
Dibromochloromethane	<0.16	ug/L	1.0	0.16	1		08/09/15 21:08	124-48-1	
1,2-Dibromoethane (EDB)	<0.23	ug/L	1.0	0.23	1		08/09/15 21:08	106-93-4	
Dibromomethane	<0.31	ug/L	4.0	0.31	1		08/09/15 21:08	74-95-3	
1,2-Dichlorobenzene	<0.22	ug/L	1.0	0.22	1		08/09/15 21:08	95-50-1	
1,3-Dichlorobenzene	<0.21	ug/L	1.0	0.21	1		08/09/15 21:08	541-73-1	
1,4-Dichlorobenzene	<0.16	ug/L	1.0	0.16	1		08/09/15 21:08	106-46-7	
Dichlorodifluoromethane	<0.49	ug/L	1.0	0.49	1		08/09/15 21:08	75-71-8	

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## ANALYTICAL RESULTS

Project: IE/Fagerlin

Pace Project No.: 10317272

**Sample: Trip Blank (HCl)**      **Lab ID: 10317272008**      Collected: 08/06/15 00:00      Received: 08/06/15 18:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260B VOC</b> Analytical Method: EPA 8260B									
1,1-Dichloroethane	<0.22	ug/L	1.0	0.22	1		08/09/15 21:08	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/09/15 21:08	107-06-2	
1,1-Dichloroethene	<0.22	ug/L	1.0	0.22	1		08/09/15 21:08	75-35-4	
cis-1,2-Dichloroethene	<0.25	ug/L	1.0	0.25	1		08/09/15 21:08	156-59-2	
trans-1,2-Dichloroethene	<0.21	ug/L	1.0	0.21	1		08/09/15 21:08	156-60-5	
Dichlorofluoromethane	<0.22	ug/L	1.0	0.22	1		08/09/15 21:08	75-43-4	
1,2-Dichloropropane	<0.42	ug/L	4.0	0.42	1		08/09/15 21:08	78-87-5	
1,3-Dichloropropane	<0.24	ug/L	1.0	0.24	1		08/09/15 21:08	142-28-9	
2,2-Dichloropropane	<0.36	ug/L	4.0	0.36	1		08/09/15 21:08	594-20-7	
1,1-Dichloropropene	<0.16	ug/L	1.0	0.16	1		08/09/15 21:08	563-58-6	
cis-1,3-Dichloropropene	<0.21	ug/L	4.0	0.21	1		08/09/15 21:08	10061-01-5	
trans-1,3-Dichloropropene	<0.22	ug/L	4.0	0.22	1		08/09/15 21:08	10061-02-6	
Diethyl ether (Ethyl ether)	<0.38	ug/L	4.0	0.38	1		08/09/15 21:08	60-29-7	
Ethylbenzene	<0.23	ug/L	1.0	0.23	1		08/09/15 21:08	100-41-4	
Hexachloro-1,3-butadiene	<0.48	ug/L	1.0	0.48	1		08/09/15 21:08	87-68-3	
Isopropylbenzene (Cumene)	<0.17	ug/L	1.0	0.17	1		08/09/15 21:08	98-82-8	
p-Isopropyltoluene	<0.16	ug/L	1.0	0.16	1		08/09/15 21:08	99-87-6	
Methylene Chloride	<0.56	ug/L	4.0	0.56	1		08/09/15 21:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.4	ug/L	5.0	2.4	1		08/09/15 21:08	108-10-1	
Methyl-tert-butyl ether	<0.20	ug/L	1.0	0.20	1		08/09/15 21:08	1634-04-4	
Naphthalene	<0.14	ug/L	4.0	0.14	1		08/09/15 21:08	91-20-3	
n-Propylbenzene	<0.21	ug/L	1.0	0.21	1		08/09/15 21:08	103-65-1	
Styrene	<0.11	ug/L	1.0	0.11	1		08/09/15 21:08	100-42-5	
1,1,1,2-Tetrachloroethane	<0.20	ug/L	1.0	0.20	1		08/09/15 21:08	630-20-6	
1,1,2,2-Tetrachloroethane	<0.22	ug/L	1.0	0.22	1		08/09/15 21:08	79-34-5	
Tetrachloroethene	<0.19	ug/L	1.0	0.19	1		08/09/15 21:08	127-18-4	
Tetrahydrofuran	<4.0	ug/L	10.0	4.0	1		08/09/15 21:08	109-99-9	
Toluene	<0.13	ug/L	1.0	0.13	1		08/09/15 21:08	108-88-3	
1,2,3-Trichlorobenzene	<0.23	ug/L	1.0	0.23	1		08/09/15 21:08	87-61-6	
1,2,4-Trichlorobenzene	<0.22	ug/L	1.0	0.22	1		08/09/15 21:08	120-82-1	
1,1,1-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/09/15 21:08	71-55-6	
1,1,2-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/09/15 21:08	79-00-5	
Trichloroethene	<0.14	ug/L	0.40	0.14	1		08/09/15 21:08	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/09/15 21:08	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	4.0	0.50	1		08/09/15 21:08	96-18-4	
1,1,2-Trichlorotrifluoroethane	<0.42	ug/L	1.0	0.42	1		08/09/15 21:08	76-13-1	
1,2,4-Trimethylbenzene	<0.16	ug/L	1.0	0.16	1		08/09/15 21:08	95-63-6	
1,3,5-Trimethylbenzene	<0.20	ug/L	1.0	0.20	1		08/09/15 21:08	108-67-8	
Vinyl chloride	<0.15	ug/L	0.40	0.15	1		08/09/15 21:08	75-01-4	
Xylene (Total)	<0.60	ug/L	3.0	0.60	1		08/09/15 21:08	1330-20-7	
<b>Surrogates</b>									
1,2-Dichloroethane-d4 (S)	98	%	75-125		1		08/09/15 21:08	17060-07-0	
Toluene-d8 (S)	99	%	75-125		1		08/09/15 21:08	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125		1		08/09/15 21:08	460-00-4	

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: IE/Fagerlin  
Pace Project No.: 10317272

QC Batch: GCV/14232 Analysis Method: WI MOD GRO  
QC Batch Method: EPA 5030 Medium Soil Analysis Description: WIGRO Solid GCV  
Associated Lab Samples: 10317272001, 10317272002, 10317272003, 10317272004, 10317272005, 10317272007

METHOD BLANK: 2048431 Matrix: Solid  
Associated Lab Samples: 10317272001, 10317272002, 10317272003, 10317272004, 10317272005, 10317272007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	<2.0	10.0	08/12/15 19:37	
a,a,a-Trifluorotoluene (S)	%	133	80-150	08/12/15 19:37	

LABORATORY CONTROL SAMPLE & LCSD: 2048432

Parameter	Units	2048432		2048433		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec				
Gasoline Range Organics	mg/kg	50	40.3	40.0	81	80	1	20	CH
a,a,a-Trifluorotoluene (S)	%				138	137			

MATRIX SPIKE SAMPLE: 2048434

Parameter	Units	10317272001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg		66	60.1		80-120	
a,a,a-Trifluorotoluene (S)	%	3.2J			116	80-150	

SAMPLE DUPLICATE: 2048435

Parameter	Units	10317272002 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	<2.4	<2.5		20	
a,a,a-Trifluorotoluene (S)	%	131	133	3		

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### QUALITY CONTROL DATA

Project: IE/Fagerlin  
Pace Project No.: 10317272

QC Batch: GCV/14231 Analysis Method: WI MOD GRO  
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water  
Associated Lab Samples: 10317272006

METHOD BLANK: 2048425 Matrix: Water  
Associated Lab Samples: 10317272006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	<18.0	100	08/12/15 11:15	
a,a,a-Trifluorotoluene (S)	%.	89	80-150	08/12/15 11:15	

LABORATORY CONTROL SAMPLE & LCSD: 2048426

Parameter	Units	2048427		LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result						
Gasoline Range Organics	ug/L	1000	1030	103	104	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%.			91	99	80-150			

MATRIX SPIKE SAMPLE: 2049684

Parameter	Units	1251346002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	ug/L	ND	1000	1010	101	80-120	
a,a,a-Trifluorotoluene (S)	%.				98	80-150	

SAMPLE DUPLICATE: 2049685

Parameter	Units	1251346003 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	ND	<18.0		20	
a,a,a-Trifluorotoluene (S)	%.	89	88	1		

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### QUALITY CONTROL DATA

Project: IE/Fagerlin

Pace Project No.: 10317272

QC Batch: MPRP/56893

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 10317272001, 10317272002, 10317272003, 10317272004, 10317272005, 10317272007

SAMPLE DUPLICATE: 2048062

Parameter	Units	10317678016 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.6	15.1	9	30	

SAMPLE DUPLICATE: 2048063

Parameter	Units	10317485005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.7	7.7	0	30	

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### QUALITY CONTROL DATA

Project: IE/Fagerlin  
Pace Project No.: 10317272

QC Batch: MSV/32741 Analysis Method: EPA 8260B  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260B MSV 5030 Med Level  
Associated Lab Samples: 10317272001, 10317272002, 10317272003, 10317272004, 10317272005, 10317272007

METHOD BLANK: 2049119 Matrix: Solid  
Associated Lab Samples: 10317272001, 10317272002, 10317272003, 10317272004, 10317272005, 10317272007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<9.6	50.0	08/13/15 19:37	
1,1,1-Trichloroethane	ug/kg	<9.7	50.0	08/13/15 19:37	
1,1,2,2-Tetrachloroethane	ug/kg	<9.6	50.0	08/13/15 19:37	
1,1,2-Trichloroethane	ug/kg	<13.7	50.0	08/13/15 19:37	
1,1,2-Trichlorotrifluoroethane	ug/kg	<11.8	200	08/13/15 19:37	
1,1-Dichloroethane	ug/kg	<9.6	50.0	08/13/15 19:37	
1,1-Dichloroethene	ug/kg	<11.4	50.0	08/13/15 19:37	
1,1-Dichloropropene	ug/kg	<10.0	50.0	08/13/15 19:37	
1,2,3-Trichlorobenzene	ug/kg	<19.4	50.0	08/13/15 19:37	
1,2,3-Trichloropropane	ug/kg	<13.8	200	08/13/15 19:37	
1,2,4-Trichlorobenzene	ug/kg	<9.1	50.0	08/13/15 19:37	
1,2,4-Trimethylbenzene	ug/kg	<10.0	50.0	08/13/15 19:37	
1,2-Dibromo-3-chloropropane	ug/kg	<38.7	500	08/13/15 19:37	
1,2-Dibromoethane (EDB)	ug/kg	<8.0	50.0	08/13/15 19:37	
1,2-Dichlorobenzene	ug/kg	<12.1	50.0	08/13/15 19:37	
1,2-Dichloroethane	ug/kg	<11.2	50.0	08/13/15 19:37	
1,2-Dichloropropane	ug/kg	<10.2	50.0	08/13/15 19:37	
1,3,5-Trimethylbenzene	ug/kg	<9.7	50.0	08/13/15 19:37	
1,3-Dichlorobenzene	ug/kg	<12.2	50.0	08/13/15 19:37	
1,3-Dichloropropane	ug/kg	<7.8	50.0	08/13/15 19:37	
1,4-Dichlorobenzene	ug/kg	<10.6	50.0	08/13/15 19:37	
2,2-Dichloropropane	ug/kg	<20.2	200	08/13/15 19:37	
2-Butanone (MEK)	ug/kg	<83.0	250	08/13/15 19:37	
2-Chlorotoluene	ug/kg	<10.3	50.0	08/13/15 19:37	
4-Chlorotoluene	ug/kg	<9.4	50.0	08/13/15 19:37	
4-Methyl-2-pentanone (MIBK)	ug/kg	<63.6	250	08/13/15 19:37	
Acetone	ug/kg	<224	1000	08/13/15 19:37	
Allyl chloride	ug/kg	<12.2	200	08/13/15 19:37	
Benzene	ug/kg	<7.0	20.0	08/13/15 19:37	
Bromobenzene	ug/kg	<12.1	50.0	08/13/15 19:37	
Bromochloromethane	ug/kg	<9.6	50.0	08/13/15 19:37	
Bromodichloromethane	ug/kg	<8.9	50.0	08/13/15 19:37	
Bromoform	ug/kg	<11.9	200	08/13/15 19:37	
Bromomethane	ug/kg	<87.8	500	08/13/15 19:37	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/13/15 19:37	
Chlorobenzene	ug/kg	<8.1	50.0	08/13/15 19:37	
Chloroethane	ug/kg	<23.9	500	08/13/15 19:37	
Chloroform	ug/kg	<8.4	50.0	08/13/15 19:37	
Chloromethane	ug/kg	<10.1	200	08/13/15 19:37	
cis-1,2-Dichloroethene	ug/kg	<17.8	50.0	08/13/15 19:37	
cis-1,3-Dichloropropene	ug/kg	<5.2	50.0	08/13/15 19:37	

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### QUALITY CONTROL DATA

Project: IE/Fagerlin  
Pace Project No.: 10317272

METHOD BLANK: 2049119 Matrix: Solid  
Associated Lab Samples: 10317272001, 10317272002, 10317272003, 10317272004, 10317272005, 10317272007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	<7.7	50.0	08/13/15 19:37	
Dibromomethane	ug/kg	<11.8	50.0	08/13/15 19:37	
Dichlorodifluoromethane	ug/kg	<12.3	200	08/13/15 19:37	
Dichlorofluoromethane	ug/kg	<47.0	500	08/13/15 19:37	
Diethyl ether (Ethyl ether)	ug/kg	<16.3	200	08/13/15 19:37	
Ethylbenzene	ug/kg	<7.5	50.0	08/13/15 19:37	
Hexachloro-1,3-butadiene	ug/kg	<21.3	250	08/13/15 19:37	
Isopropylbenzene (Cumene)	ug/kg	<9.1	50.0	08/13/15 19:37	
Methyl-tert-butyl ether	ug/kg	<9.4	50.0	08/13/15 19:37	
Methylene Chloride	ug/kg	18.5J	200	08/13/15 19:37	
n-Butylbenzene	ug/kg	<9.4	50.0	08/13/15 19:37	
n-Propylbenzene	ug/kg	<10.7	50.0	08/13/15 19:37	
Naphthalene	ug/kg	<72.1	200	08/13/15 19:37	
p-Isopropyltoluene	ug/kg	<8.7	50.0	08/13/15 19:37	
sec-Butylbenzene	ug/kg	<10.2	50.0	08/13/15 19:37	
Styrene	ug/kg	<7.9	50.0	08/13/15 19:37	
tert-Butylbenzene	ug/kg	<13.4	50.0	08/13/15 19:37	
Tetrachloroethene	ug/kg	<10.3	50.0	08/13/15 19:37	
Tetrahydrofuran	ug/kg	<79.1	2000	08/13/15 19:37	
Toluene	ug/kg	<9.6	50.0	08/13/15 19:37	
trans-1,2-Dichloroethene	ug/kg	<8.2	50.0	08/13/15 19:37	
trans-1,3-Dichloropropene	ug/kg	<19.4	50.0	08/13/15 19:37	
Trichloroethene	ug/kg	<12.1	50.0	08/13/15 19:37	
Trichlorofluoromethane	ug/kg	<34.6	200	08/13/15 19:37	
Vinyl chloride	ug/kg	<9.0	20.0	08/13/15 19:37	
Xylene (Total)	ug/kg	<29.9	150	08/13/15 19:37	
1,2-Dichloroethane-d4 (S)	%	83	55-150	08/13/15 19:37	
4-Bromofluorobenzene (S)	%	97	54-131	08/13/15 19:37	
Toluene-d8 (S)	%	105	61-125	08/13/15 19:37	

LABORATORY CONTROL SAMPLE: 2049120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1000	1110	111	75-125	
1,1,1-Trichloroethane	ug/kg	1000	1030	103	66-125	
1,1,2,2-Tetrachloroethane	ug/kg	1000	1120	112	69-125	
1,1,2-Trichloroethane	ug/kg	1000	1100	110	75-125	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	1120	112	55-125	
1,1-Dichloroethane	ug/kg	1000	997	100	67-125	
1,1-Dichloroethene	ug/kg	1000	1000	100	62-125	
1,1-Dichloropropene	ug/kg	1000	980	98	65-125	
1,2,3-Trichlorobenzene	ug/kg	1000	919	92	58-132	
1,2,3-Trichloropropane	ug/kg	1000	1040	104	71-125	
1,2,4-Trichlorobenzene	ug/kg	1000	939	94	63-128	

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### QUALITY CONTROL DATA

Project: IE/Fagerlin

Pace Project No.: 10317272

LABORATORY CONTROL SAMPLE: 2049120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1080	108	74-125	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2090	84	55-142	
1,2-Dibromoethane (EDB)	ug/kg	1000	1080	108	75-125	
1,2-Dichlorobenzene	ug/kg	1000	1080	108	75-125	
1,2-Dichloroethane	ug/kg	1000	1030	103	71-125	
1,2-Dichloropropane	ug/kg	1000	1100	110	74-125	
1,3,5-Trimethylbenzene	ug/kg	1000	1130	113	72-125	
1,3-Dichlorobenzene	ug/kg	1000	1120	112	75-125	
1,3-Dichloropropane	ug/kg	1000	1130	113	75-125	
1,4-Dichlorobenzene	ug/kg	1000	1100	110	75-125	
2,2-Dichloropropane	ug/kg	1000	922	92	45-125	
2-Butanone (MEK)	ug/kg	5000	3550	71	39-136	
2-Chlorotoluene	ug/kg	1000	1170	117	73-125	
4-Chlorotoluene	ug/kg	1000	1170	117	74-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	5000	5540	111	55-132	
Acetone	ug/kg	5000	5950	119	55-131	
Allyl chloride	ug/kg	1000	980	98	53-125	
Benzene	ug/kg	1000	1040	104	69-125	
Bromobenzene	ug/kg	1000	1080	108	75-125	
Bromochloromethane	ug/kg	1000	951	95	75-125	
Bromodichloromethane	ug/kg	1000	1090	109	75-125	
Bromoform	ug/kg	1000	939	94	71-125	
Bromomethane	ug/kg	1000	854	85	42-150	SS
Carbon tetrachloride	ug/kg	1000	940	94	62-125	
Chlorobenzene	ug/kg	1000	1160	116	75-125	
Chloroethane	ug/kg	1000	924	92	41-150	
Chloroform	ug/kg	1000	1040	104	72-125	
Chloromethane	ug/kg	1000	846	85	50-125	
cis-1,2-Dichloroethene	ug/kg	1000	957	96	73-125	
cis-1,3-Dichloropropene	ug/kg	1000	1070	107	74-125	
Dibromochloromethane	ug/kg	1000	1090	109	75-125	
Dibromomethane	ug/kg	1000	1090	109	75-125	
Dichlorodifluoromethane	ug/kg	1000	893	89	30-125	
Dichlorofluoromethane	ug/kg	1000	994	99	30-150	
Diethyl ether (Ethyl ether)	ug/kg	1000	951	95	58-125	
Ethylbenzene	ug/kg	1000	1190	119	72-125	
Hexachloro-1,3-butadiene	ug/kg	1000	1080	108	59-138	
Isopropylbenzene (Cumene)	ug/kg	1000	1080	108	72-125	
Methyl-tert-butyl ether	ug/kg	1000	935	93	72-125	
Methylene Chloride	ug/kg	1000	822	82	71-125	
n-Butylbenzene	ug/kg	1000	987	99	65-125	
n-Propylbenzene	ug/kg	1000	1140	114	71-125	
Naphthalene	ug/kg	1000	820	82	55-139	
p-Isopropyltoluene	ug/kg	1000	1020	102	69-125	
sec-Butylbenzene	ug/kg	1000	1170	117	68-125	
Styrene	ug/kg	1000	1100	110	75-125	
tert-Butylbenzene	ug/kg	1000	1130	113	70-125	

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### QUALITY CONTROL DATA

Project: IE/Fagerlin  
Pace Project No.: 10317272

LABORATORY CONTROL SAMPLE: 2049120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethane	ug/kg	1000	1190	119	69-125	
Tetrahydrofuran	ug/kg	10000	12100	121	62-129	
Toluene	ug/kg	1000	1190	119	72-125	
trans-1,2-Dichloroethene	ug/kg	1000	986	99	68-125	
trans-1,3-Dichloropropene	ug/kg	1000	1060	106	74-125	
Trichloroethene	ug/kg	1000	1080	108	72-125	
Trichlorofluoromethane	ug/kg	1000	1040	104	30-150	
Vinyl chloride	ug/kg	1000	918	92	53-125	
Xylene (Total)	ug/kg	3000	3390	113	74-125	
1,2-Dichloroethane-d4 (S)	%			85	55-150	
4-Bromofluorobenzene (S)	%			95	54-131	
Toluene-d8 (S)	%			104	61-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2049121 2049122

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10317639007 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1,2-Tetrachloroethane	ug/kg	ND	1740	1560	1970	1640	114	105	62-150	18	30
1,1,1-Trichloroethane	ug/kg	ND	1740	1560	1910	1470	110	94	58-150	26	30
1,1,1,2,2-Tetrachloroethane	ug/kg	ND	1740	1560	2260	1720	130	111	30-150	27	30
1,1,1,2-Trichloroethane	ug/kg	ND	1740	1560	2190	1700	127	109	61-149	25	30
1,1,1,2-Trichlorotrifluoroethane	ug/kg	ND	1740	1560	2140	1670	124	107	45-150	24	30
1,1-Dichloroethane	ug/kg	ND	1740	1560	1860	1420	108	91	56-150	27	30
1,1-Dichloroethene	ug/kg	ND	1740	1560	1900	1500	110	96	48-150	24	30
1,1-Dichloropropene	ug/kg	ND	1740	1560	1850	1440	107	92	58-150	25	30
1,2,3-Trichlorobenzene	ug/kg	ND	1740	1560	2390	1790	138	115	55-150	29	30
1,2,3-Trichloropropane	ug/kg	ND	1740	1560	2060	1640	119	105	57-148	23	30
1,2,4-Trichlorobenzene	ug/kg	ND	1740	1560	2140	1790	123	115	61-150	17	30
1,2,4-Trimethylbenzene	ug/kg	ND	1740	1560	2130	1760	120	110	64-150	19	30
1,2-Dibromo-3-chloropropane	ug/kg	ND	4330	3890	4910	3640	113	93	40-150	30	30
1,2-Dibromoethane (EDB)	ug/kg	ND	1740	1560	2070	1610	120	104	62-147	25	30
1,2-Dichlorobenzene	ug/kg	ND	1740	1560	2040	1610	117	104	73-133	23	30
1,2-Dichloroethane	ug/kg	ND	1740	1560	1980	1440	114	93	63-132	31	30 R1
1,2-Dichloropropane	ug/kg	ND	1740	1560	2100	1690	121	109	69-127	22	30
1,3,5-Trimethylbenzene	ug/kg	ND	1740	1560	2170	1740	125	111	63-137	22	30
1,3-Dichlorobenzene	ug/kg	ND	1740	1560	2130	1680	123	108	69-133	24	30
1,3-Dichloropropane	ug/kg	ND	1740	1560	2210	1700	128	109	70-130	26	30
1,4-Dichlorobenzene	ug/kg	ND	1740	1560	2100	1660	120	105	69-130	23	30
2,2-Dichloropropane	ug/kg	ND	1740	1560	1740	1310	100	84	54-135	28	30
2-Butanone (MEK)	ug/kg	ND	8670	7780	8820	6280	102	81	49-145	34	30 R1
2-Chlorotoluene	ug/kg	ND	1740	1560	2130	1750	123	112	68-129	20	30
4-Chlorotoluene	ug/kg	ND	1740	1560	2090	1660	121	107	67-134	23	30
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	8670	7780	11400	8710	132	112	60-150	27	30
Acetone	ug/kg	ND	8670	7780	10300	8420	119	108	65-135	20	30

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: IE/Fagerlin  
Pace Project No.: 10317272

Parameter	Units	2049121		2049122		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Allyl chloride	ug/kg	ND	1740	1560	1870	1470	108	94	55-126	24	30		
Benzene	ug/kg	ND	1740	1560	2050	1540	118	99	63-126	28	30		
Bromobenzene	ug/kg	ND	1740	1560	2010	1630	116	105	68-133	21	30		
Bromochloromethane	ug/kg	ND	1740	1560	1790	1320	103	85	66-130	30	30		
Bromodichloromethane	ug/kg	ND	1740	1560	2030	1520	117	97	68-129	29	30		
Bromoform	ug/kg	ND	1740	1560	1850	1400	107	90	63-135	28	30		
Bromomethane	ug/kg	ND	1740	1560	1540	1240	89	79	30-150	22	30	SS	
Carbon tetrachloride	ug/kg	ND	1740	1560	1750	1380	101	89	56-140	24	30		
Chlorobenzene	ug/kg	ND	1740	1560	2140	1750	123	112	69-130	20	30		
Chloroethane	ug/kg	ND	1740	1560	1800	1240	104	80	46-150	37	30	R1	
Chloroform	ug/kg	ND	1740	1560	1920	1450	111	93	70-127	28	30		
Chloromethane	ug/kg	ND	1740	1560	1550	1090	89	70	51-125	35	30	R1	
cis-1,2-Dichloroethene	ug/kg	ND	1740	1560	1750	1360	101	87	68-125	25	30		
cis-1,3-Dichloropropene	ug/kg	ND	1740	1560	1980	1540	114	99	67-126	25	30		
Dibromochloromethane	ug/kg	ND	1740	1560	2030	1630	117	105	66-135	22	30		
Dibromomethane	ug/kg	ND	1740	1560	2010	1580	116	101	68-132	24	30		
Dichlorodifluoromethane	ug/kg	ND	1740	1560	1370	945	79	61	30-138	36	30	R1	
Dichlorofluoromethane	ug/kg	ND	1740	1560	1880	1320	108	85	30-150	35	30	R1	
Diethyl ether (Ethyl ether)	ug/kg	ND	1740	1560	1870	1470	108	94	56-135	24	30		
Ethylbenzene	ug/kg	ND	1740	1560	2150	1760	124	113	69-126	20	30		
Hexachloro-1,3-butadiene	ug/kg	ND	1740	1560	2490	2190	144	141	50-150	13	30		
Isopropylbenzene (Cumene)	ug/kg	ND	1740	1560	1980	1650	114	106	65-135	18	30		
Methyl-tert-butyl ether	ug/kg	ND	1740	1560	1980	1430	114	92	66-129	32	30	R1	
Methylene Chloride	ug/kg	ND	1740	1560	1510	1260	87	81	64-125	19	30		
n-Butylbenzene	ug/kg	ND	1740	1560	2100	1700	121	109	62-141	21	30		
n-Propylbenzene	ug/kg	ND	1740	1560	2070	1700	120	109	65-135	20	30		
Naphthalene	ug/kg	ND	1740	1560	2430	1900	132	113	62-150	25	30		
p-Isopropyltoluene	ug/kg	ND	1740	1560	1980	1720	114	111	62-139	14	30		
sec-Butylbenzene	ug/kg	ND	1740	1560	2270	1870	131	120	64-137	19	30		
Styrene	ug/kg	ND	1740	1560	2060	1620	119	104	70-132	24	30		
tert-Butylbenzene	ug/kg	ND	1740	1560	2180	1830	126	117	65-136	18	30		
Tetrachloroethene	ug/kg	ND	1740	1560	2120	1770	123	114	61-142	18	30		
Tetrahydrofuran	ug/kg	ND	17400	15600	20400	16500	118	106	68-138	21	30		
Toluene	ug/kg	1110	1740	1560	3010	2480	109	88	66-128	19	30		
trans-1,2-Dichloroethene	ug/kg	ND	1740	1560	1900	1430	110	92	63-129	28	30		
trans-1,3-Dichloropropene	ug/kg	ND	1740	1560	2010	1610	116	103	67-132	22	30		
Trichloroethene	ug/kg	ND	1740	1560	2120	1710	122	110	52-150	22	30		
Trichlorofluoromethane	ug/kg	ND	1740	1560	1860	1300	108	84	39-150	35	30	R1	
Vinyl chloride	ug/kg	ND	1740	1560	1640	1130	94	72	50-125	37	30	R1	
Xylene (Total)	ug/kg	ND	5190	4670	6480	5190	121	107	70-130	22	30		
1,2-Dichloroethane-d4 (S)	%						88	85	55-150				
4-Bromofluorobenzene (S)	%						102	99	54-131				
Toluene-d8 (S)	%						105	105	61-125				

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: IE/Fagerlin

Pace Project No.: 10317272

QC Batch: MSV/32684

Analysis Method: EPA 8260B

QC Batch Method: EPA 8260B

Analysis Description: 8260B MSV 465 W

Associated Lab Samples: 10317272006, 10317272008

METHOD BLANK: 2046086

Matrix: Water

Associated Lab Samples: 10317272006, 10317272008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.20	1.0	08/09/15 20:39	
1,1,1-Trichloroethane	ug/L	<0.20	1.0	08/09/15 20:39	
1,1,2,2-Tetrachloroethane	ug/L	<0.22	1.0	08/09/15 20:39	
1,1,2-Trichloroethane	ug/L	<0.24	1.0	08/09/15 20:39	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.42	1.0	08/09/15 20:39	
1,1-Dichloroethane	ug/L	<0.22	1.0	08/09/15 20:39	
1,1-Dichloroethene	ug/L	<0.22	1.0	08/09/15 20:39	
1,1-Dichloropropene	ug/L	<0.16	1.0	08/09/15 20:39	
1,2,3-Trichlorobenzene	ug/L	<0.23	1.0	08/09/15 20:39	
1,2,3-Trichloropropane	ug/L	<0.50	4.0	08/09/15 20:39	
1,2,4-Trichlorobenzene	ug/L	<0.22	1.0	08/09/15 20:39	
1,2,4-Trimethylbenzene	ug/L	<0.16	1.0	08/09/15 20:39	
1,2-Dibromo-3-chloropropane	ug/L	<0.70	4.0	08/09/15 20:39	
1,2-Dibromoethane (EDB)	ug/L	<0.23	1.0	08/09/15 20:39	
1,2-Dichlorobenzene	ug/L	<0.22	1.0	08/09/15 20:39	
1,2-Dichloroethane	ug/L	<0.17	1.0	08/09/15 20:39	
1,2-Dichloropropane	ug/L	<0.42	4.0	08/09/15 20:39	
1,3,5-Trimethylbenzene	ug/L	<0.20	1.0	08/09/15 20:39	
1,3-Dichlorobenzene	ug/L	<0.21	1.0	08/09/15 20:39	
1,3-Dichloropropane	ug/L	<0.24	1.0	08/09/15 20:39	
1,4-Dichlorobenzene	ug/L	<0.16	1.0	08/09/15 20:39	
2,2-Dichloropropane	ug/L	<0.36	4.0	08/09/15 20:39	
2-Butanone (MEK)	ug/L	<2.5	5.0	08/09/15 20:39	
2-Chlorotoluene	ug/L	<0.22	1.0	08/09/15 20:39	
4-Chlorotoluene	ug/L	<0.24	1.0	08/09/15 20:39	
4-Methyl-2-pentanone (MIBK)	ug/L	<2.4	5.0	08/09/15 20:39	
Acetone	ug/L	<7.1	20.0	08/09/15 20:39	
Allyl chloride	ug/L	<0.58	4.0	08/09/15 20:39	
Benzene	ug/L	<0.21	1.0	08/09/15 20:39	
Bromobenzene	ug/L	<0.25	1.0	08/09/15 20:39	
Bromochloromethane	ug/L	<0.34	1.0	08/09/15 20:39	
Bromodichloromethane	ug/L	<0.18	1.0	08/09/15 20:39	
Bromoform	ug/L	<0.41	4.0	08/09/15 20:39	CL
Bromomethane	ug/L	<0.36	4.0	08/09/15 20:39	
Carbon tetrachloride	ug/L	<0.35	1.0	08/09/15 20:39	
Chlorobenzene	ug/L	<0.23	1.0	08/09/15 20:39	
Chloroethane	ug/L	<0.34	1.0	08/09/15 20:39	
Chloroform	ug/L	<0.27	1.0	08/09/15 20:39	
Chloromethane	ug/L	<0.64	4.0	08/09/15 20:39	
cis-1,2-Dichloroethene	ug/L	<0.25	1.0	08/09/15 20:39	
cis-1,3-Dichloropropene	ug/L	<0.21	4.0	08/09/15 20:39	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: IE/Fagerlin  
Pace Project No.: 10317272

METHOD BLANK: 2046086 Matrix: Water

Associated Lab Samples: 10317272006, 10317272008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<0.16	1.0	08/09/15 20:39	
Dibromomethane	ug/L	<0.31	4.0	08/09/15 20:39	
Dichlorodifluoromethane	ug/L	<0.49	1.0	08/09/15 20:39	
Dichlorofluoromethane	ug/L	<0.22	1.0	08/09/15 20:39	
Diethyl ether (Ethyl ether)	ug/L	<0.38	4.0	08/09/15 20:39	
Ethylbenzene	ug/L	<0.23	1.0	08/09/15 20:39	
Hexachloro-1,3-butadiene	ug/L	<0.48	1.0	08/09/15 20:39	
Isopropylbenzene (Cumene)	ug/L	<0.17	1.0	08/09/15 20:39	
Methyl-tert-butyl ether	ug/L	<0.20	1.0	08/09/15 20:39	
Methylene Chloride	ug/L	<0.56	4.0	08/09/15 20:39	
n-Butylbenzene	ug/L	<0.083	1.0	08/09/15 20:39	
n-Propylbenzene	ug/L	<0.21	1.0	08/09/15 20:39	
Naphthalene	ug/L	0.28J	4.0	08/09/15 20:39	
p-Isopropyltoluene	ug/L	<0.16	1.0	08/09/15 20:39	
sec-Butylbenzene	ug/L	<0.16	1.0	08/09/15 20:39	
Styrene	ug/L	<0.11	1.0	08/09/15 20:39	
tert-Butylbenzene	ug/L	<0.18	1.0	08/09/15 20:39	
Tetrachloroethene	ug/L	<0.19	1.0	08/09/15 20:39	
Tetrahydrofuran	ug/L	<4.0	10.0	08/09/15 20:39	
Toluene	ug/L	<0.13	1.0	08/09/15 20:39	
trans-1,2-Dichloroethene	ug/L	<0.21	1.0	08/09/15 20:39	
trans-1,3-Dichloropropene	ug/L	<0.22	4.0	08/09/15 20:39	
Trichloroethene	ug/L	<0.14	0.40	08/09/15 20:39	
Trichlorofluoromethane	ug/L	<0.18	1.0	08/09/15 20:39	
Vinyl chloride	ug/L	<0.15	0.40	08/09/15 20:39	
Xylene (Total)	ug/L	<0.60	3.0	08/09/15 20:39	
1,2-Dichloroethane-d4 (S)	%	96	75-125	08/09/15 20:39	
4-Bromofluorobenzene (S)	%	103	75-125	08/09/15 20:39	
Toluene-d8 (S)	%	98	75-125	08/09/15 20:39	

LABORATORY CONTROL SAMPLE: 2046087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.8	104	75-125	
1,1,1-Trichloroethane	ug/L	20	21.1	106	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	22.3	111	75-125	
1,1,2-Trichloroethane	ug/L	20	21.5	107	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	21.2	106	60-135	
1,1-Dichloroethane	ug/L	20	22.3	111	69-125	
1,1-Dichloroethene	ug/L	20	22.1	110	68-125	
1,1-Dichloropropene	ug/L	20	24.2	121	74-125	
1,2,3-Trichlorobenzene	ug/L	20	18.9	94	69-136	
1,2,3-Trichloropropane	ug/L	20	21.9	109	75-125	
1,2,4-Trichlorobenzene	ug/L	20	20.1	100	73-127	

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### QUALITY CONTROL DATA

Project: IE/Fagerlin

Pace Project No.: 10317272

LABORATORY CONTROL SAMPLE: 2046087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	22.8	114	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	43.5	87	65-145	
1,2-Dibromoethane (EDB)	ug/L	20	21.4	107	75-125	
1,2-Dichlorobenzene	ug/L	20	21.6	108	75-125	
1,2-Dichloroethane	ug/L	20	20.8	104	73-125	
1,2-Dichloropropane	ug/L	20	22.5	112	75-125	
1,3,5-Trimethylbenzene	ug/L	20	22.4	112	75-125	
1,3-Dichlorobenzene	ug/L	20	22.1	111	74-125	
1,3-Dichloropropane	ug/L	20	21.7	109	75-125	
1,4-Dichlorobenzene	ug/L	20	20.9	104	75-125	
2,2-Dichloropropane	ug/L	20	20.6	103	59-139	
2-Butanone (MEK)	ug/L	100	113	113	63-130	
2-Chlorotoluene	ug/L	20	22.2	111	72-125	
4-Chlorotoluene	ug/L	20	21.4	107	73-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	118	118	71-126	
Acetone	ug/L	100	140	140	69-131	CH,L0
Allyl chloride	ug/L	20	22.6	113	67-125	
Benzene	ug/L	20	20.9	105	71-125	
Bromobenzene	ug/L	20	22.5	112	75-125	
Bromochloromethane	ug/L	20	23.1	115	75-125	
Bromodichloromethane	ug/L	20	19.4	97	75-125	
Bromoform	ug/L	20	11.4	57	70-125	CL,L0
Bromomethane	ug/L	20	38.4	192	30-150	CH,L0,SS
Carbon tetrachloride	ug/L	20	21.9	109	75-126	
Chlorobenzene	ug/L	20	21.9	109	75-125	
Chloroethane	ug/L	20	21.4	107	65-134	
Chloroform	ug/L	20	20.6	103	75-125	
Chloromethane	ug/L	20	25.1	126	39-150	
cis-1,2-Dichloroethene	ug/L	20	23.0	115	72-125	
cis-1,3-Dichloropropene	ug/L	20	19.0	95	75-125	
Dibromochloromethane	ug/L	20	16.6	83	75-125	
Dibromomethane	ug/L	20	20.3	101	75-125	
Dichlorodifluoromethane	ug/L	20	22.0	110	50-134	
Dichlorofluoromethane	ug/L	20	22.6	113	69-125	
Diethyl ether (Ethyl ether)	ug/L	20	22.4	112	72-125	
Ethylbenzene	ug/L	20	21.3	107	75-125	
Hexachloro-1,3-butadiene	ug/L	20	21.1	105	70-138	
Isopropylbenzene (Cumene)	ug/L	20	22.8	114	75-125	
Methyl-tert-butyl ether	ug/L	20	18.1	90	73-125	
Methylene Chloride	ug/L	20	24.7	123	73-125	
n-Butylbenzene	ug/L	20	22.1	111	72-133	
n-Propylbenzene	ug/L	20	23.4	117	72-126	
Naphthalene	ug/L	20	18.7	93	70-127	
p-Isopropyltoluene	ug/L	20	21.6	108	72-132	
sec-Butylbenzene	ug/L	20	24.0	120	73-132	
Styrene	ug/L	20	22.6	113	75-125	
tert-Butylbenzene	ug/L	20	22.2	111	73-128	

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### QUALITY CONTROL DATA

Project: IE/Fagerlin

Pace Project No.: 10317272

LABORATORY CONTROL SAMPLE: 2046087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	22.4	112	74-125	
Tetrahydrofuran	ug/L	200	215	108	62-133	
Toluene	ug/L	20	21.8	109	74-125	
trans-1,2-Dichloroethene	ug/L	20	22.9	114	69-125	
trans-1,3-Dichloropropene	ug/L	20	18.7	94	75-125	
Trichloroethene	ug/L	20	20.7	104	75-125	
Trichlorofluoromethane	ug/L	20	21.8	109	74-127	
Vinyl chloride	ug/L	20	22.8	114	66-132	
Xylene (Total)	ug/L	60	64.2	107	75-125	
1,2-Dichloroethane-d4 (S)	%			101	75-125	
4-Bromofluorobenzene (S)	%			102	75-125	
Toluene-d8 (S)	%			102	75-125	

MATRIX SPIKE SAMPLE: 2046764

Parameter	Units	10317451006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	17.9	89	70-138	
1,1,1-Trichloroethane	ug/L	ND	20	20.4	102	55-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	19.4	97	64-140	
1,1,2-Trichloroethane	ug/L	ND	20	19.1	96	67-137	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20.5	102	51-150	
1,1-Dichloroethane	ug/L	ND	20	21.1	105	49-150	
1,1-Dichloroethene	ug/L	ND	20	22.9	115	40-150	
1,1-Dichloropropene	ug/L	ND	20	24.0	120	50-150	
1,2,3-Trichlorobenzene	ug/L	ND	20	20.2	101	59-148	
1,2,3-Trichloropropane	ug/L	ND	20	19.0	95	65-141	
1,2,4-Trichlorobenzene	ug/L	ND	20	20.0	100	61-140	
1,2,4-Trimethylbenzene	ug/L	ND	20	20.8	104	58-141	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	37.1	74	53-150	
1,2-Dibromoethane (EDB)	ug/L	ND	20	18.5	93	65-137	
1,2-Dichlorobenzene	ug/L	ND	20	20.1	101	66-133	
1,2-Dichloroethane	ug/L	ND	20	19.0	95	54-138	
1,2-Dichloropropane	ug/L	ND	20	21.2	106	62-138	
1,3,5-Trimethylbenzene	ug/L	ND	20	20.7	103	58-140	
1,3-Dichlorobenzene	ug/L	ND	20	21.0	105	66-132	
1,3-Dichloropropane	ug/L	ND	20	19.3	96	66-134	
1,4-Dichlorobenzene	ug/L	ND	20	19.7	98	65-129	
2,2-Dichloropropane	ug/L	ND	20	15.1	76	40-150	
2-Butanone (MEK)	ug/L	ND	100	92.4	92	51-147	
2-Chlorotoluene	ug/L	ND	20	20.2	101	58-147	
4-Chlorotoluene	ug/L	ND	20	20.0	100	64-138	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	93.7	94	59-143	
Acetone	ug/L	ND	100	143	143	63-147	CH
Allyl chloride	ug/L	ND	20	19.7	98	45-150	
Benzene	ug/L	ND	20	20.1	101	53-139	

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### QUALITY CONTROL DATA

Project: IE/Fagerlin  
Pace Project No.: 10317272

MATRIX SPIKE SAMPLE:		2046764		10317451006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Result	% Rec	Limits	Qualifiers
Bromobenzene	ug/L	ND	20	20.5	103			66-136	
Bromochloromethane	ug/L	ND	20	21.4	107			64-136	
Bromodichloromethane	ug/L	ND	20	17.2	86			66-138	
Bromoform	ug/L	ND	20	8.0	40			59-136	CL,M0
Bromomethane	ug/L	ND	20	39.7	198			30-150	CH,M0,SS
Carbon tetrachloride	ug/L	ND	20	20.3	102			56-150	
Chlorobenzene	ug/L	ND	20	20.4	102			65-133	
Chloroethane	ug/L	ND	20	19.7	98			48-150	
Chloroform	ug/L	2.1	20	22.1	100			57-145	
Chloromethane	ug/L	ND	20	23.9	119			30-150	
cis-1,2-Dichloroethene	ug/L	ND	20	21.9	109			49-150	
cis-1,3-Dichloropropene	ug/L	ND	20	16.4	82			64-130	
Dibromochloromethane	ug/L	ND	20	12.8	64			68-138	M1
Dibromomethane	ug/L	ND	20	19.0	95			67-134	
Dichlorodifluoromethane	ug/L	ND	20	20.0	100			45-150	
Dichlorofluoromethane	ug/L	ND	20	21.4	107			54-150	
Diethyl ether (Ethyl ether)	ug/L	ND	20	19.7	98			50-145	
Ethylbenzene	ug/L	ND	20	19.9	100			55-139	
Hexachloro-1,3-butadiene	ug/L	ND	20	22.1	111			49-150	
Isopropylbenzene (Cumene)	ug/L	ND	20	21.7	108			64-142	
Methyl-tert-butyl ether	ug/L	ND	20	12.8	64			62-129	
Methylene Chloride	ug/L	ND	20	21.7	109			57-132	
n-Butylbenzene	ug/L	ND	20	22.2	111			55-150	
n-Propylbenzene	ug/L	ND	20	22.2	111			59-142	
Naphthalene	ug/L	ND	20	19.2	96			51-150	
p-Isopropyltoluene	ug/L	ND	20	21.0	105			60-149	
sec-Butylbenzene	ug/L	ND	20	23.4	117			60-150	
Styrene	ug/L	ND	20	18.7	94			68-134	
tert-Butylbenzene	ug/L	ND	20	21.5	108			62-146	
Tetrachloroethene	ug/L	ND	20	22.0	108			50-150	
Tetrahydrofuran	ug/L	ND	200	238	119			59-145	
Toluene	ug/L	ND	20	20.2	101			52-148	
trans-1,2-Dichloroethene	ug/L	ND	20	21.1	105			45-150	
trans-1,3-Dichloropropene	ug/L	ND	20	14.6	73			68-132	
Trichloroethene	ug/L	ND	20	20.1	100			52-150	
Trichlorofluoromethane	ug/L	ND	20	21.8	109			55-150	
Vinyl chloride	ug/L	ND	20	22.3	111			43-150	
Xylene (Total)	ug/L	ND	60	59.8	100			54-144	
1,2-Dichloroethane-d4 (S)	%				101			75-125	
4-Bromofluorobenzene (S)	%				103			75-125	
Toluene-d8 (S)	%				100			75-125	

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### QUALITY CONTROL DATA

Project: IE/Fagerlin  
Pace Project No.: 10317272

SAMPLE DUPLICATE: 2046765

Parameter	Units	10317451007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	<0.20		30	
1,1,1-Trichloroethane	ug/L	ND	<0.20		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	<0.22		30	
1,1,2-Trichloroethane	ug/L	ND	<0.24		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	<0.42		30	
1,1-Dichloroethane	ug/L	ND	<0.22		30	
1,1-Dichloroethene	ug/L	ND	<0.22		30	
1,1-Dichloropropene	ug/L	ND	<0.16		30	
1,2,3-Trichlorobenzene	ug/L	ND	<0.23		30	
1,2,3-Trichloropropane	ug/L	ND	<0.50		30	
1,2,4-Trichlorobenzene	ug/L	ND	<0.22		30	
1,2,4-Trimethylbenzene	ug/L	ND	<0.16		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	<0.70		30	
1,2-Dibromoethane (EDB)	ug/L	ND	<0.23		30	
1,2-Dichlorobenzene	ug/L	ND	<0.22		30	
1,2-Dichloroethane	ug/L	ND	<0.17		30	
1,2-Dichloropropane	ug/L	ND	<0.42		30	
1,3,5-Trimethylbenzene	ug/L	ND	<0.20		30	
1,3-Dichlorobenzene	ug/L	ND	<0.21		30	
1,3-Dichloropropane	ug/L	ND	<0.24		30	
1,4-Dichlorobenzene	ug/L	ND	<0.16		30	
2,2-Dichloropropane	ug/L	ND	<0.36		30	
2-Butanone (MEK)	ug/L	ND	<2.5		30	
2-Chlorotoluene	ug/L	ND	<0.22		30	
4-Chlorotoluene	ug/L	ND	<0.24		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	<2.4		30	
Acetone	ug/L	ND	<7.1		30	
Allyl chloride	ug/L	ND	<0.58		30	
Benzene	ug/L	ND	<0.21		30	
Bromobenzene	ug/L	ND	<0.25		30	
Bromochloromethane	ug/L	ND	<0.34		30	
Bromodichloromethane	ug/L	ND	<0.18		30	
Bromoform	ug/L	ND	<0.41		30	CL
Bromomethane	ug/L	ND	<0.36		30	
Carbon tetrachloride	ug/L	ND	<0.35		30	
Chlorobenzene	ug/L	ND	<0.23		30	
Chloroethane	ug/L	ND	<0.34		30	
Chloroform	ug/L	2.4	2.3	5	30	
Chloromethane	ug/L	ND	<0.64		30	
cis-1,2-Dichloroethene	ug/L	ND	<0.25		30	
cis-1,3-Dichloropropene	ug/L	ND	<0.21		30	
Dibromochloromethane	ug/L	ND	<0.16		30	
Dibromomethane	ug/L	ND	<0.31		30	
Dichlorodifluoromethane	ug/L	ND	<0.49		30	
Dichlorofluoromethane	ug/L	ND	<0.22		30	
Diethyl ether (Ethyl ether)	ug/L	ND	<0.38		30	
Ethylbenzene	ug/L	ND	<0.23		30	

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### QUALITY CONTROL DATA

Project: IE/Fagerlin

Pace Project No.: 10317272

SAMPLE DUPLICATE: 2046765

Parameter	Units	10317451007 Result	Dup Result	RPD	Max RPD	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	<0.48		30	
Isopropylbenzene (Cumene)	ug/L	ND	<0.17		30	
Methyl-tert-butyl ether	ug/L	ND	<0.20		30	
Methylene Chloride	ug/L	ND	<0.56		30	
n-Butylbenzene	ug/L	ND	<0.083		30	
n-Propylbenzene	ug/L	ND	<0.21		30	
Naphthalene	ug/L	ND	<0.14		30	
p-Isopropyltoluene	ug/L	ND	<0.16		30	
sec-Butylbenzene	ug/L	ND	<0.16		30	
Styrene	ug/L	ND	<0.11		30	
tert-Butylbenzene	ug/L	ND	<0.18		30	
Tetrachloroethene	ug/L	ND	0.20J		30	
Tetrahydrofuran	ug/L	ND	<4.0		30	
Toluene	ug/L	ND	<0.13		30	
trans-1,2-Dichloroethene	ug/L	ND	<0.21		30	
trans-1,3-Dichloropropene	ug/L	ND	<0.22		30	
Trichloroethene	ug/L	ND	0.16J		30	
Trichlorofluoromethane	ug/L	ND	<0.18		30	
Vinyl chloride	ug/L	ND	<0.15		30	
Xylene (Total)	ug/L	ND	<0.60		30	
1,2-Dichloroethane-d4 (S)	%	98	95	3		
4-Bromofluorobenzene (S)	%	99	101	2		
Toluene-d8 (S)	%	99	100	1		

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### QUALITY CONTROL DATA

Project: IE/Fagerlin  
Pace Project No.: 10317272

QC Batch: OEXT/30321 Analysis Method: EPA 8270D by SIM  
QC Batch Method: EPA 3550 Analysis Description: 8270D Solid PAH by SIM MSSV  
Associated Lab Samples: 10317272001, 10317272002, 10317272003, 10317272004, 10317272005, 10317272007

METHOD BLANK: 2044582 Matrix: Solid  
Associated Lab Samples: 10317272001, 10317272002, 10317272003, 10317272004, 10317272005, 10317272007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	<0.36	10.0	08/08/15 15:38	
Acenaphthylene	ug/kg	<0.34	10.0	08/08/15 15:38	
Anthracene	ug/kg	<0.31	10.0	08/08/15 15:38	
Benzo(a)anthracene	ug/kg	<0.18	10.0	08/08/15 15:38	
Benzo(a)pyrene	ug/kg	<0.20	10.0	08/08/15 15:38	
Benzo(b)fluoranthene	ug/kg	<0.35	10.0	08/08/15 15:38	
Benzo(g,h,i)perylene	ug/kg	<0.35	10.0	08/08/15 15:38	
Benzo(k)fluoranthene	ug/kg	<0.40	10.0	08/08/15 15:38	
Chrysene	ug/kg	<0.25	10.0	08/08/15 15:38	
Dibenz(a,h)anthracene	ug/kg	<0.43	10.0	08/08/15 15:38	
Fluoranthene	ug/kg	<0.22	10.0	08/08/15 15:38	
Fluorene	ug/kg	<0.31	10.0	08/08/15 15:38	
Indeno(1,2,3-cd)pyrene	ug/kg	<0.38	10.0	08/08/15 15:38	
Naphthalene	ug/kg	<0.37	10.0	08/08/15 15:38	
Phenanthrene	ug/kg	<0.25	10.0	08/08/15 15:38	
Pyrene	ug/kg	<0.24	10.0	08/08/15 15:38	
2-Fluorobiphenyl (S)	%	59	55-125	08/08/15 15:38	
p-Terphenyl-d14 (S)	%	76	30-150	08/08/15 15:38	

LABORATORY CONTROL SAMPLE: 2044583

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	33.3	22.8	68	53-125	
Acenaphthylene	ug/kg	33.3	22.2	67	53-125	
Anthracene	ug/kg	33.3	26.1	78	61-125	
Benzo(a)anthracene	ug/kg	33.3	28.0	84	62-125	
Benzo(a)pyrene	ug/kg	33.3	27.7	83	64-125	
Benzo(b)fluoranthene	ug/kg	33.3	26.8	80	66-125	
Benzo(g,h,i)perylene	ug/kg	33.3	29.0	87	59-125	
Benzo(k)fluoranthene	ug/kg	33.3	29.4	88	61-125	
Chrysene	ug/kg	33.3	26.8	80	63-125	
Dibenz(a,h)anthracene	ug/kg	33.3	28.0	84	59-125	
Fluoranthene	ug/kg	33.3	27.3	82	64-125	
Fluorene	ug/kg	33.3	24.0	72	57-125	
Indeno(1,2,3-cd)pyrene	ug/kg	33.3	26.1	78	58-125	
Naphthalene	ug/kg	33.3	21.2	63	52-125	
Phenanthrene	ug/kg	33.3	22.9	69	60-125	
Pyrene	ug/kg	33.3	27.5	82	63-125	
2-Fluorobiphenyl (S)	%			59	55-125	
p-Terphenyl-d14 (S)	%			78	30-150	

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### QUALITY CONTROL DATA

Project: IE/Fagerlin

Pace Project No.: 10317272

Parameter	Units	2044584		2044585		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		10317203001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Acenaphthene	ug/kg	ND	37	37.1	26.1	24.5	71	66	39-125	6	30	
Acenaphthylene	ug/kg	ND	37	37.1	25.4	23.9	69	64	30-150	6	30	
Anthracene	ug/kg	ND	37	37.1	30.9	29.5	82	78	30-150	5	30	
Benzo(a)anthracene	ug/kg	ND	37	37.1	35.8	35.5	97	96	30-150	1	30	
Benzo(a)pyrene	ug/kg	ND	37	37.1	36.4	36.2	91	90	30-150	0	30	
Benzo(b)fluoranthene	ug/kg	ND	37	37.1	36.3	35.5	88	86	30-150	2	30	
Benzo(g,h,i)perylene	ug/kg	ND	37	37.1	35.9	35.1	91	89	30-150	2	30	
Benzo(k)fluoranthene	ug/kg	ND	37	37.1	36.2	35.4	94	91	30-150	2	30	
Chrysene	ug/kg	ND	37	37.1	36.1	35.5	90	88	30-150	2	30	
Dibenz(a,h)anthracene	ug/kg	ND	37	37.1	30.5	29.0	81	77	30-150	5	30	
Fluoranthene	ug/kg	ND	37	37.1	41.2	40.0	97	93	30-150	3	30	
Fluorene	ug/kg	ND	37	37.1	26.7	25.6	72	69	30-146	4	30	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	37	37.1	31.6	30.8	81	79	30-150	3	30	
Naphthalene	ug/kg	ND	37	37.1	24.5	22.7	66	61	30-131	8	30	
Phenanthrene	ug/kg	ND	37	37.1	31.7	32.3	78	79	30-150	2	30	
Pyrene	ug/kg	ND	37	37.1	40.2	40.2	96	96	30-150	0	30	
2-Fluorobiphenyl (S)	%.						63	59	55-125			
p-Terphenyl-d14 (S)	%.						76	72	30-150			

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### QUALITY CONTROL DATA

Project: IE/Fagerlin  
Pace Project No.: 10317272

QC Batch: OEXT/30355 Analysis Method: EPA 8270D by SIM  
QC Batch Method: EPA 3510 Analysis Description: 8270D PAH by SIM MSSV  
Associated Lab Samples: 10317272006

METHOD BLANK: 2048320 Matrix: Water  
Associated Lab Samples: 10317272006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	<0.0032	0.040	08/14/15 09:21	
Acenaphthylene	ug/L	<0.0040	0.040	08/14/15 09:21	
Anthracene	ug/L	<0.0044	0.040	08/14/15 09:21	
Benzo(a)anthracene	ug/L	0.0056J	0.040	08/14/15 09:21	
Benzo(a)pyrene	ug/L	<0.0030	0.040	08/14/15 09:21	
Benzo(b)fluoranthene	ug/L	<0.0076	0.040	08/14/15 09:21	
Benzo(g,h,i)perylene	ug/L	<0.0054	0.040	08/14/15 09:21	
Benzo(k)fluoranthene	ug/L	<0.0038	0.040	08/14/15 09:21	
Chrysene	ug/L	<0.0053	0.040	08/14/15 09:21	
Dibenz(a,h)anthracene	ug/L	<0.0096	0.040	08/14/15 09:21	
Fluoranthene	ug/L	<0.0057	0.040	08/14/15 09:21	
Fluorene	ug/L	<0.0056	0.040	08/14/15 09:21	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0056	0.040	08/14/15 09:21	
Naphthalene	ug/L	0.011J	0.040	08/14/15 09:21	
Phenanthrene	ug/L	<0.012	0.040	08/14/15 09:21	
Pyrene	ug/L	<0.0064	0.040	08/14/15 09:21	
2-Fluorobiphenyl (S)	%	78	52-125	08/14/15 09:21	
p-Terphenyl-d14 (S)	%	93	62-125	08/14/15 09:21	

LABORATORY CONTROL SAMPLE & LCSD: 2048321

Parameter	Units	2048322		LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result						
Acenaphthene	ug/L	1	0.96	96	93	44-125	3	20	
Acenaphthylene	ug/L	1	0.95	95	91	44-125	4	20	
Anthracene	ug/L	1	1.0	100	97	55-125	3	20	
Benzo(a)anthracene	ug/L	1	1.0	102	98	56-125	4	20	
Benzo(a)pyrene	ug/L	1	1.0	101	99	61-125	2	20	
Benzo(b)fluoranthene	ug/L	1	1.0	103	100	60-125	2	20	
Benzo(g,h,i)perylene	ug/L	1	0.93	93	95	53-125	1	20	
Benzo(k)fluoranthene	ug/L	1	0.98	98	96	59-125	2	20	
Chrysene	ug/L	1	0.95	95	93	61-125	2	20	
Dibenz(a,h)anthracene	ug/L	1	0.82	82	86	51-125	6	20	
Fluoranthene	ug/L	1	0.98	98	95	64-125	4	20	
Fluorene	ug/L	1	0.98	98	94	52-125	4	20	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.89	89	88	54-125	1	20	
Naphthalene	ug/L	1	0.88	88	84	35-125	4	20	
Phenanthrene	ug/L	1	0.87	87	85	55-125	3	20	
Pyrene	ug/L	1	1.0	101	101	59-125	0	20	
2-Fluorobiphenyl (S)	%			85	82	52-125			
p-Terphenyl-d14 (S)	%			92	90	62-125			

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### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: IE/Fagerlin

Pace Project No.: 10317272

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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TNI - The NELAC Institute.

### BATCH QUALIFIERS

Batch: MSSV/12909

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

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

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: IE/Fagerlin  
Pace Project No.: 10317272

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10317272001	GP-1 (4-6')	EPA 5030 Medium Soil	GCV/14232	WI MOD GRO	GCV/14239
10317272002	GP-2 (4-6')	EPA 5030 Medium Soil	GCV/14232	WI MOD GRO	GCV/14239
10317272003	GP-3 (6-8')	EPA 5030 Medium Soil	GCV/14232	WI MOD GRO	GCV/14239
10317272004	GP-4 (0-2')	EPA 5030 Medium Soil	GCV/14232	WI MOD GRO	GCV/14239
10317272005	GP-5 (8-10')	EPA 5030 Medium Soil	GCV/14232	WI MOD GRO	GCV/14239
10317272007	HA-1	EPA 5030 Medium Soil	GCV/14232	WI MOD GRO	GCV/14239
10317272006	GP-3 (7-12')	WI MOD GRO	GCV/14231		
10317272001	GP-1 (4-6')	ASTM D2974	MPRP/56893		
10317272002	GP-2 (4-6')	ASTM D2974	MPRP/56893		
10317272003	GP-3 (6-8')	ASTM D2974	MPRP/56893		
10317272004	GP-4 (0-2')	ASTM D2974	MPRP/56893		
10317272005	GP-5 (8-10')	ASTM D2974	MPRP/56893		
10317272007	HA-1	ASTM D2974	MPRP/56893		
10317272001	GP-1 (4-6')	EPA 3550	OEXT/30321	EPA 8270D by SIM	MSSV/12870
10317272002	GP-2 (4-6')	EPA 3550	OEXT/30321	EPA 8270D by SIM	MSSV/12870
10317272003	GP-3 (6-8')	EPA 3550	OEXT/30321	EPA 8270D by SIM	MSSV/12870
10317272004	GP-4 (0-2')	EPA 3550	OEXT/30321	EPA 8270D by SIM	MSSV/12870
10317272005	GP-5 (8-10')	EPA 3550	OEXT/30321	EPA 8270D by SIM	MSSV/12870
10317272007	HA-1	EPA 3550	OEXT/30321	EPA 8270D by SIM	MSSV/12870
10317272006	GP-3 (7-12')	EPA 3510	OEXT/30355	EPA 8270D by SIM	MSSV/12909
10317272001	GP-1 (4-6')	EPA 5035/5030B	MSV/32741	EPA 8260B	MSV/32782
10317272002	GP-2 (4-6')	EPA 5035/5030B	MSV/32741	EPA 8260B	MSV/32782
10317272003	GP-3 (6-8')	EPA 5035/5030B	MSV/32741	EPA 8260B	MSV/32782
10317272004	GP-4 (0-2')	EPA 5035/5030B	MSV/32741	EPA 8260B	MSV/32782
10317272005	GP-5 (8-10')	EPA 5035/5030B	MSV/32741	EPA 8260B	MSV/32782
10317272007	HA-1	EPA 5035/5030B	MSV/32741	EPA 8260B	MSV/32782
10317272006	GP-3 (7-12')	EPA 8260B	MSV/32684		
10317272008	Trip Blank (HCl)	EPA 8260B	MSV/32684		

### REPORT OF LABORATORY ANALYSIS

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# CHAIN-OF-CUSTODY / Analytical Request Document

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



60317272

**Section A**  
 Required Client Information:  
 Company: Environmental Ironbishops  
 Address: 825 Grand Ave  
 Duluth, MN 55807  
 Email To: JMcCarthy@efsmn.com  
 Phone: 2187226013 Fax:  
 Requested Due Date/TAT:

**Section B**  
 Required Project Information:  
 Report To: John McCarthy  
 Copy To:  
 Purchase Order No.:  
 Project Name: IE/Fagerlth  
 Project Number:

**Section C**  
 Invoice Information:  
 Attention: Sameas client info.  
 Company Name:  
 Address:  
 Pace Quote Reference:  
 Pace Project Manager:  
 Pace Profile #:

**Section D**  
 Regulatory Agency: 1986067  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER

Site Location STATE: WI

ITEM #	Matrix Codes MATRIX / CODE Drinking Water DW Waste Water WT Water Product WW Soil/Solid P Oil SL Wipe WP Air AR Tissue TS Other OT	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION		# OF CONTAINERS	PRESERVATIVES						Analysis Test ↑ Y/N	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
		COMPOSITE START	COMPOSITE END/GRAB			DATE	TIME		DATE	TIME	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HCl	NaOH			
1	GP-1 (4-6')			8/6	9:40			7	X	X	X	X	X	X	X	VOC G-PO PAH Dry weight	901
2	GP-2 (4-6')				10:24			7	X	X	X	X	X	X	X	VOC G-PO PAH	902
3	GP-3 (6-8')				10:42			7	X	X	X	X	X	X	X	VOC G-PO PAH	903
4	GP-4 (0-2')				11:20			7	X	X	X	X	X	X	X	VOC G-PO PAH	904
5	GP-5 (8-10')				12:10			7	X	X	X	X	X	X	X	VOC G-PO PAH	905
6	GP-3 (7-12')				11:00			8	X	X	X	X	X	X	X	VOC G-PO PAH	906
7	MEDH Blank																
8	HA-1							7	X	X	X	X	X	X	X		907
9	SB							2									908
10																	
11																	
12																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION		DATE		ACCEPTED BY / AFFILIATION		DATE		SAMPLE CONDITIONS	
	SIGNATURE	TIME	DATE	TIME	SIGNATURE	TIME	DATE	TIME	Received on	Custody
	[Signature]	13:50	8/6	13:50	[Signature]		8/6/15	13:50	Y	Sealed Cooler
	[Signature]	16:00	8/6/15	16:00	[Signature]		8/6/15	16:00	Y	Sealed Cooler
	[Signature]	19:00	8/6/15	19:00	[Signature]		8/6/15	18:40	Y	Sealed Cooler

**Section E**  
 Requested Analysis Filtered (Y/N)

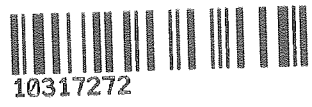
SAMPLER NAME AND SIGNATURE: [Signature]  
 PRINT Name of SAMPLER: Nicoletta Jensen  
 SIGNATURE of SAMPLER: [Signature]

DATE Signed (MM/DD/YYYY):

**Sample Condition Upon Receipt** Client Name: Environmental Troubleshooters Project #: WO#: 10317272

Courier:  Fed Ex  UPS  USPS  Client  
 Commercial  Pace  Speedee  Other: \_\_\_\_\_

Tracking Number: \_\_\_\_\_



Custody Seal on Cooler/Box Present?  Yes  No Seals Intact?  Yes  No

Packing Material:  Bubble Wrap  Bubble Bags  None  Other: \_\_\_\_\_ Temp Blank?  Yes  No

Thermometer Used:  B88A9130516413  B88A912167504  B88A0143310098 Type of Ice:  Wet  Blue  None  Samples on ice, cooling process has begun

Cooler Temp Read (°C): 1.4 Cooler Temp Corrected (°C): 1.4 Biological Tissue Frozen?  Yes  No  N/A

Temp should be above freezing to 6°C Correction Factor: +0.0 Date and Initials of Person Examining Contents: KAC 8/1/15

USDA Regulated Soil (  N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or WA (check maps)?  Yes  No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)?  Yes  No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

	COMMENTS:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>HCE blank, no MeSH blank</u>
-Includes Date/Time/ID/Analysis Matrix: <u>WT</u>	
All containers needing acid/base preservation have been checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
All containers needing preservation are found to be in compliance with EPA recommendation? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Sample #
(HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl < 2; NaOH > 9 Sulfide, NaOH > 12 Cyanide) Exception: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>Sediment: GP?</u>
Trip Blank Present? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>no MeSH blank</u>
Trip Blank Custody Seals Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>080315-01</u>	

**CLIENT NOTIFICATION/RESOLUTION** Field Data Required?  Yes  No

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/Resolution: per Nicole chg WT DRO to PAH

Project Manager Review: [Signature] Date: 8/7/15

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).

Data File: \\192.168.10.12\chem\10gcv9.i\081215B-1.b\22432.d

Report Date: 08/13/2015

Sample ID: 10317272001

Client ID: GP-1 (4-6')MS

Instrument: 10gcv9.i

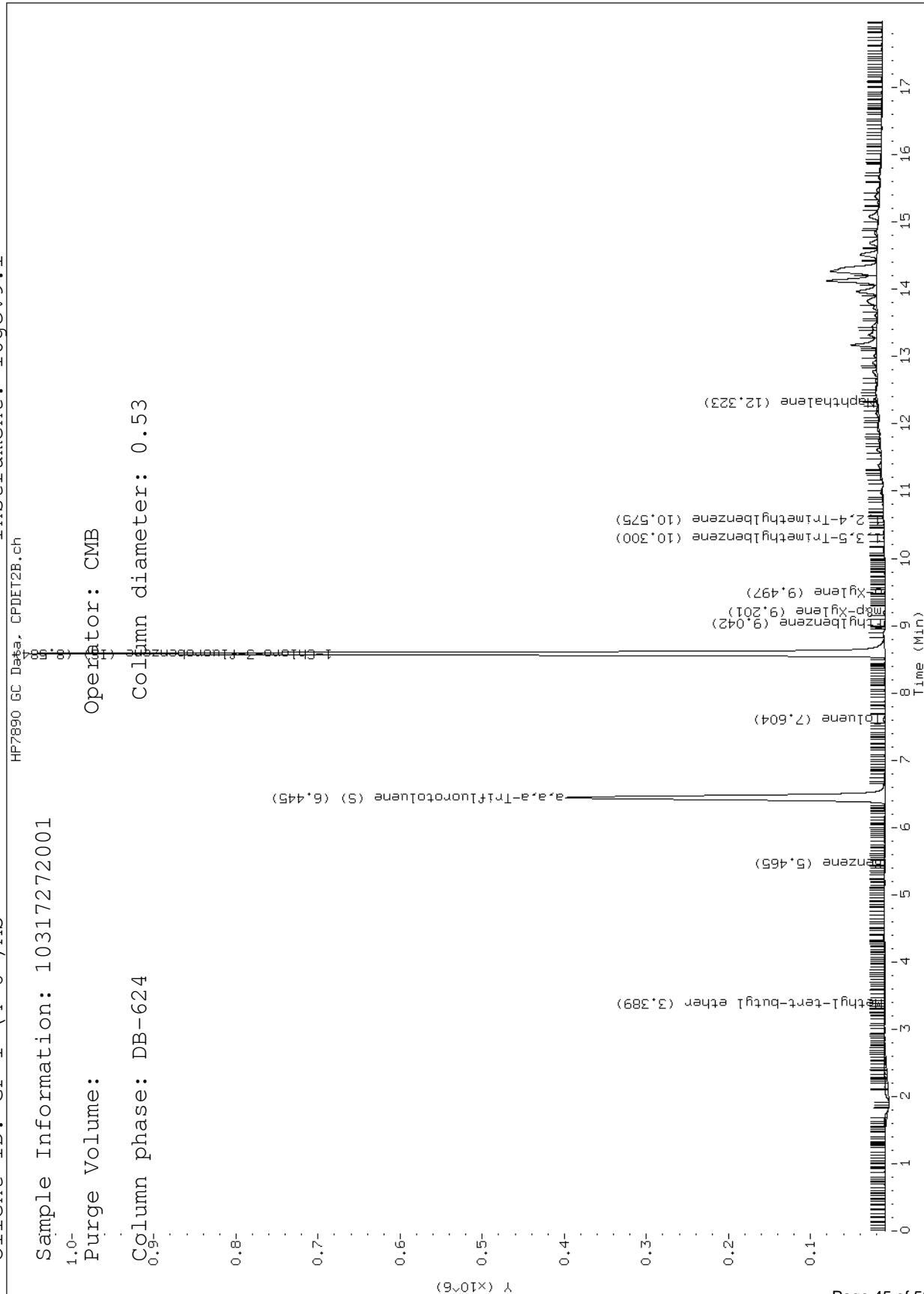
Sample Information: 10317272001

Purge Volume:

Operator: CMB

Column phase: DB-624

Column diameter: 0.53



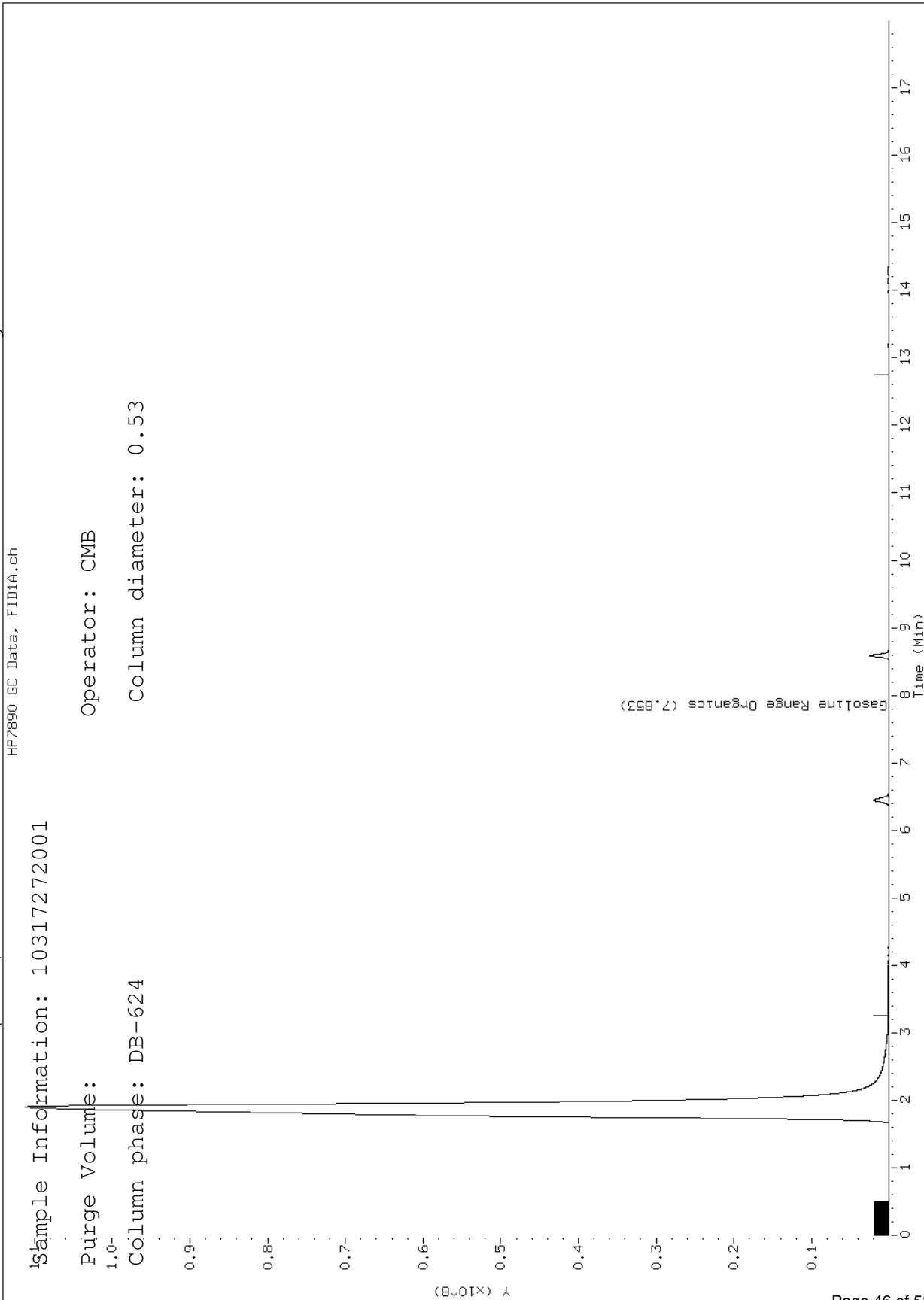
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Report Date: 08/13/2015

Sample ID: 10317272001

Client ID: GP-1 (4-6')MS

Instrument: 10gcv9.i



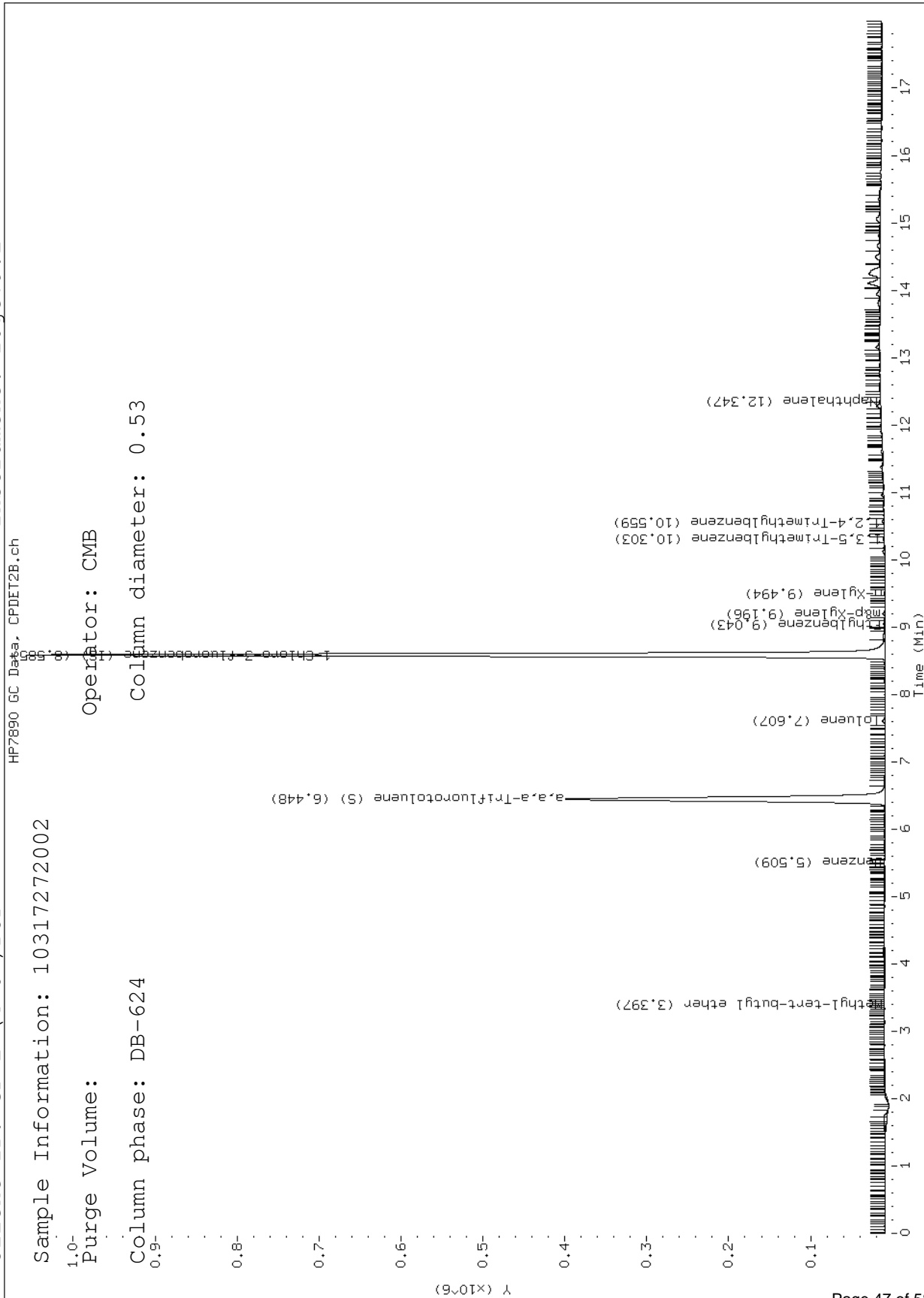
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Report Date: 08/13/2015

Sample ID: 10317272002

Client ID: GP-2 (4-6') DUP

Instrument: 10gcv9.i



Data File: \\192.168.10.12\chem\10gcv9.i\081215B-2.b\22435.d

Report Date: 08/13/2015

Sample ID: 10317272002

Client ID: GP-2 (4-6') DUP Instrument: 10gcv9.i

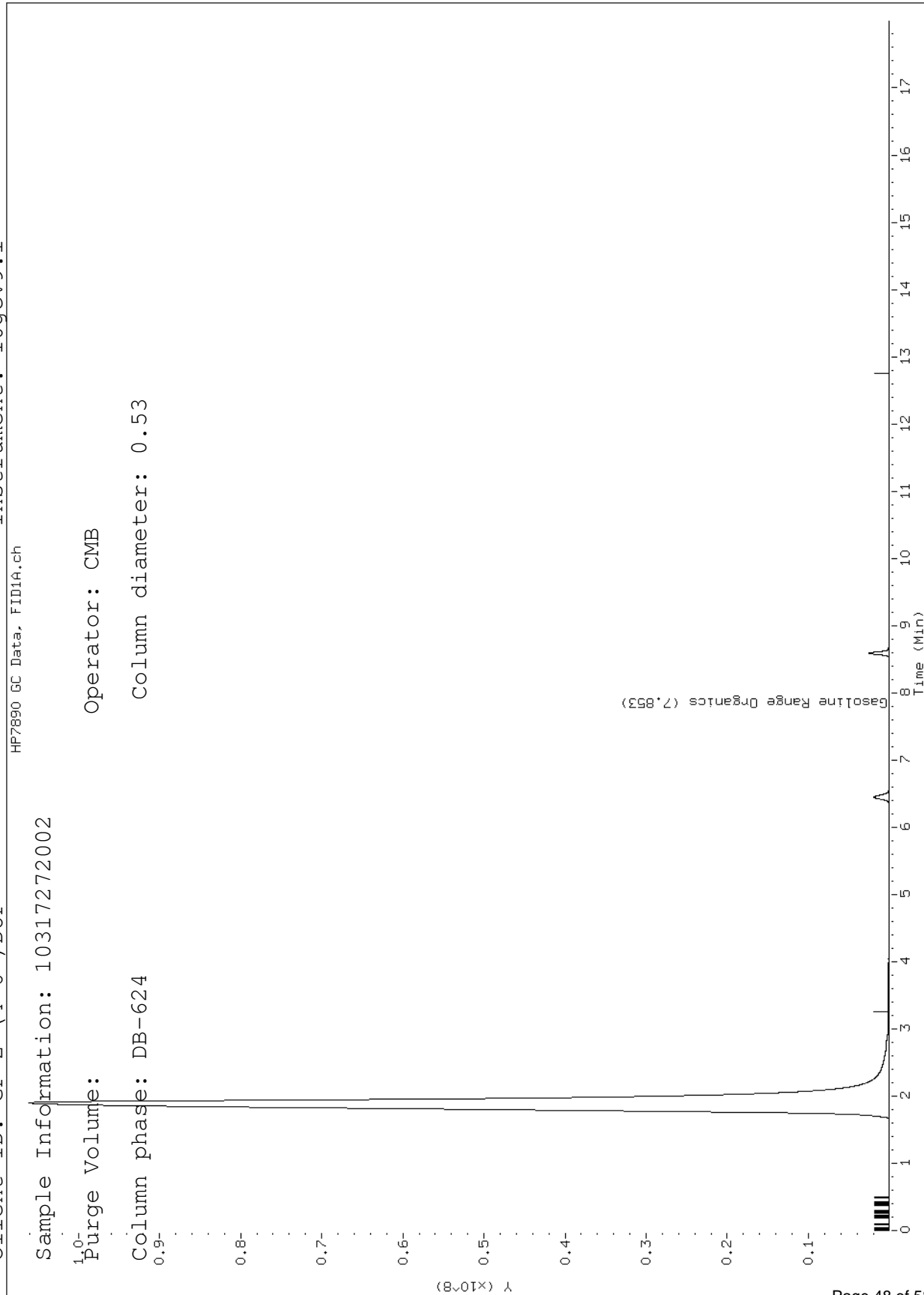
Sample Information: 10317272002

Purge Volume:

Operator: CMB

Column phase: DB-624

Column diameter: 0.53



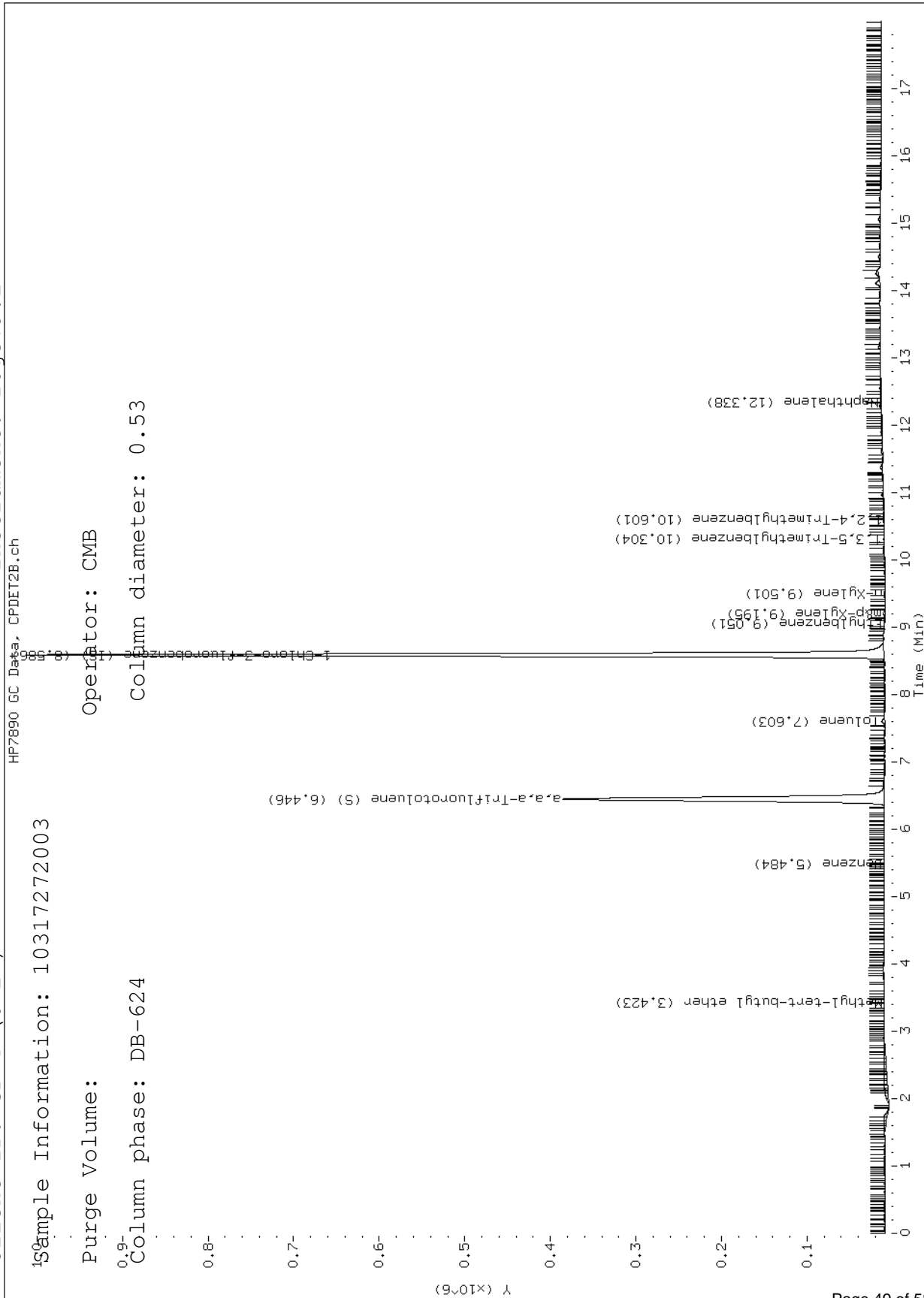
Data File: \\192.168.10.12\chem\10gcv9.i\081215B-1.b\22437.d

Report Date: 08/13/2015

Sample ID: 10317272003

Client ID: GP-4 (0-2')

Instrument: 10gcv9.i



Data File: \\192.168.10.12\chem\10gcv9.i\081215B-2.b\22437.d

Report Date: 08/13/2015

Sample ID: 10317272003

Client ID: GP-4 (0-2')

Instrument: 10gcv9.i

HP7890 GC Data, FID1A.ch

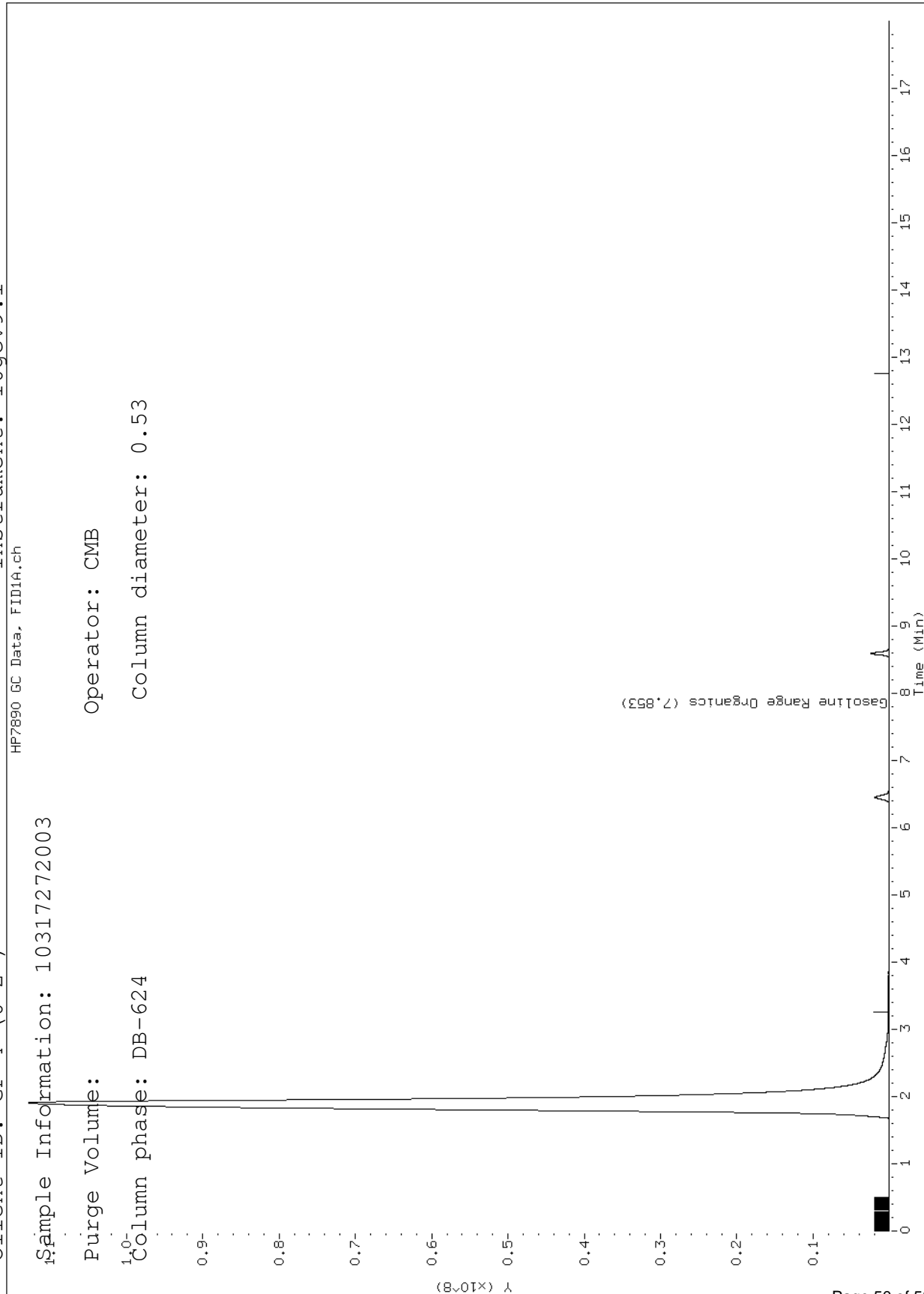
Sample Information: 10317272003

Purge Volume:

Operator: CMB

Column phase: DB-624

Column diameter: 0.53





Data File: \\192.168.10.12\chem\10gcv9.i\081415A-1.b\22615.d

Report Date: 08/14/2015

Sample ID: 10317272004,

Client ID:

Instrument: 10gcv9.i

HP7890 GC Data, CPDET2B.ch

Sample Information: 10317272004,,

Purge Volume:

Operator: CMB

Column phase: DB-624

Column diameter: 0.53

1.5-

1.4-

1.3-

1.2-

1.1-

1.0-

0.9-

0.8-

0.7-

0.6-

0.5-

0.4-

0.3-

0.2-

0.1-

Y (x10<sup>-6</sup>)

Time (Min)

ethyl-tert-butyl ether (3.407)

benzene (5.496)

a,a,a-Trifluorotoluene (S) (6.443)

Toluene (7.598)

1-Chloro-3-fluorobenzene (IS) (8.583)

ethylbenzene (9.037)

m,p-Xylene (9.193)

o-Xylene (9.501)

1,3,5-Trimethylbenzene (10.330)

1,2,4-Trimethylbenzene (10.594)

Naphthalene (12.340)

Data File: \\192.168.10.12\chem\10gcv9.i\081415A-2.b\22615.d

Report Date: 08/14/2015

Sample ID: 10317272004

Client ID: GP-4 (0-2') Instrument: 10gcv9.i

HP7890 GC Data, FID1A.ch

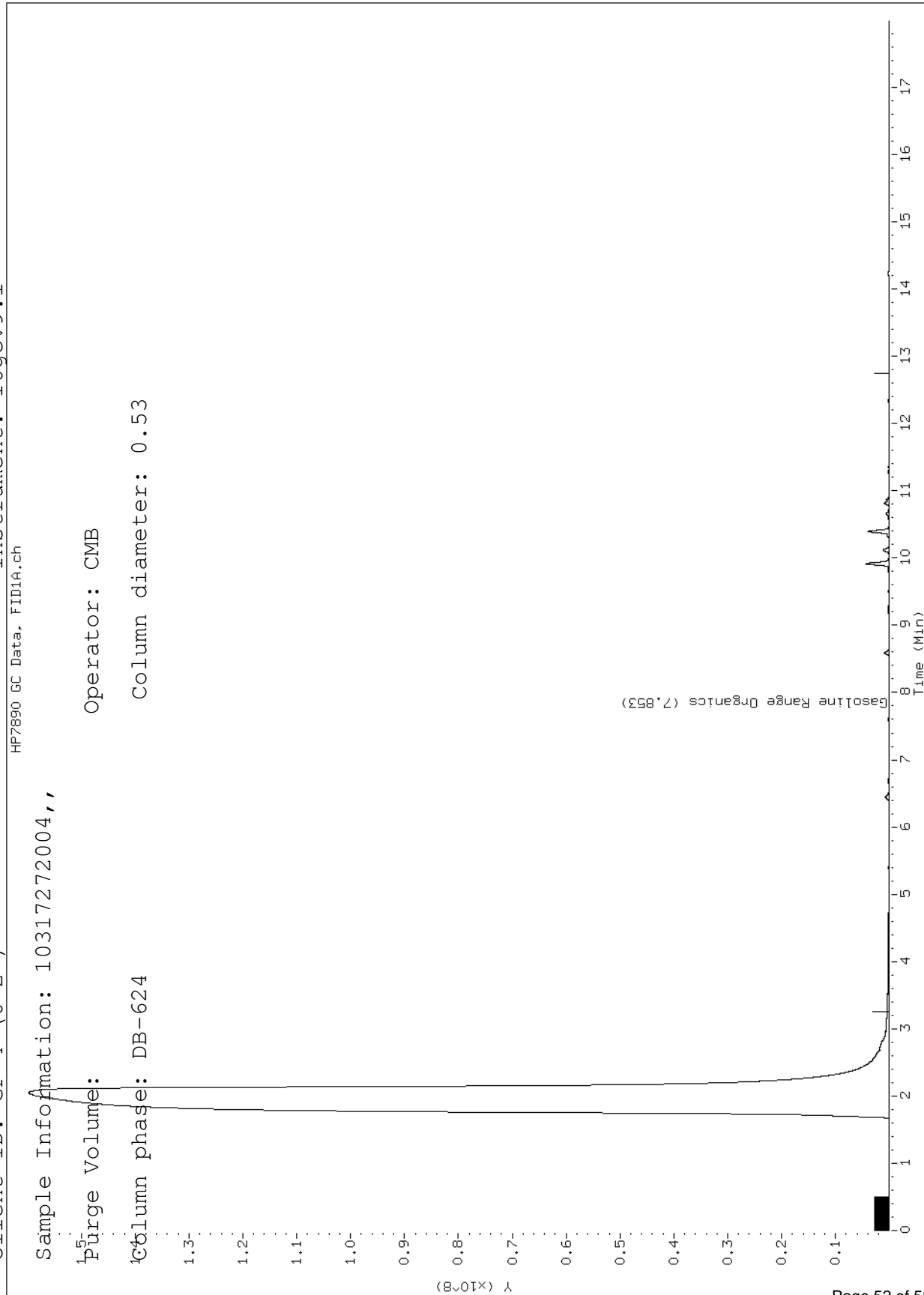
Sample Information: 10317272004,,

Purge Volume:

Operator: CMB

Column phase: DB-624

Column diameter: 0.53



Data File: \\192.168.10.12\chem\10gcv9.i\081215B-1.b\22439.d

Report Date: 08/13/2015

Sample ID: 10317272005

Client ID: HA-1

Instrument: 10gcv9.i

Sample Information: 10317272005

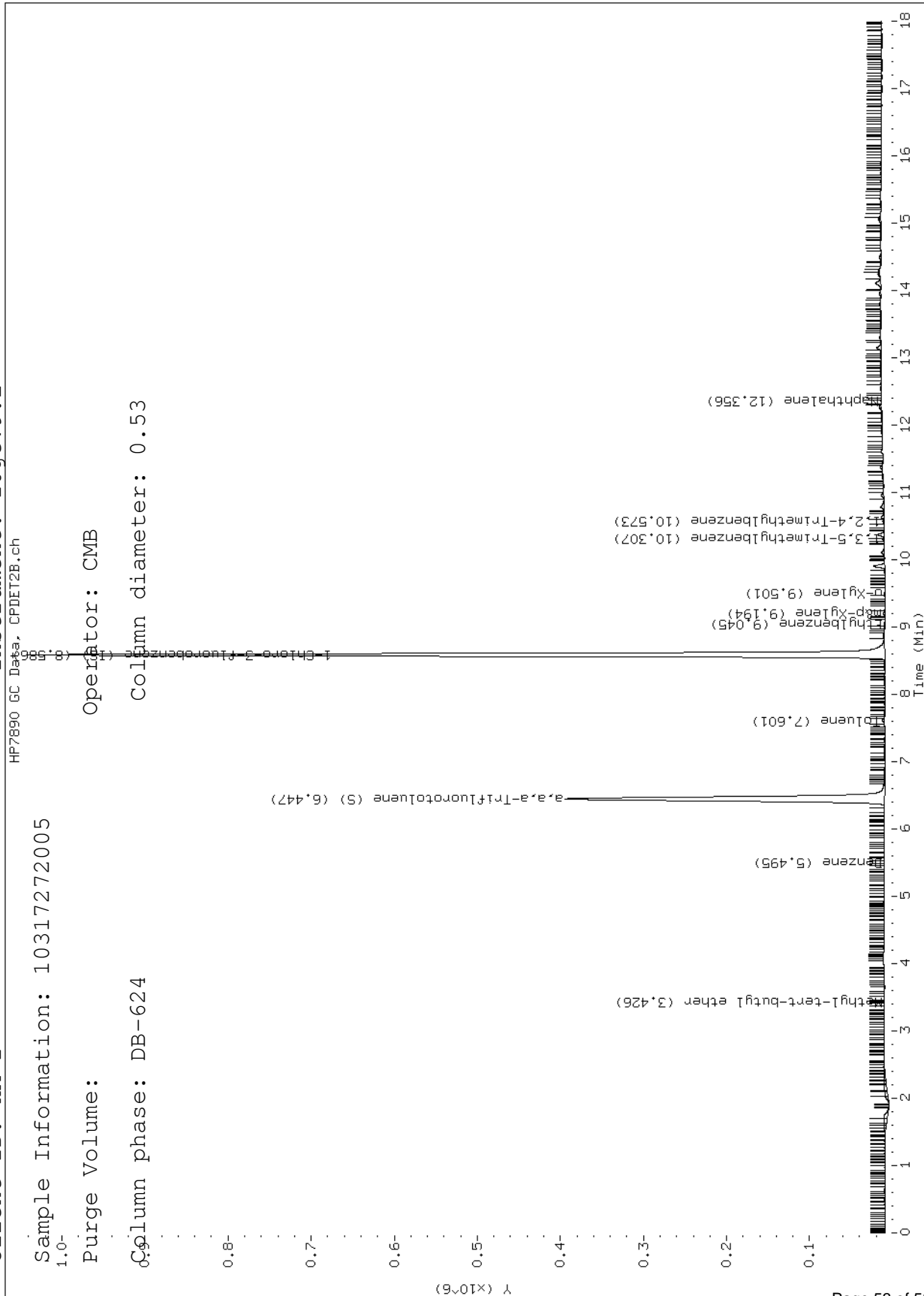
1.0-

Purge Volume:

Operator: CMB

Column phase: DB-624

Column diameter: 0.53



Data File: \\192.168.10.12\chem\10gcv9.i\081215B-2.b\22439.d

Report Date: 08/13/2015

Sample ID: 10317272005

Client ID: HA-1 Instrument: 10gcv9.i

HP7890 GC Data, FID1A.ch

Sample Information: 10317272005

Purge Volume:

Operator: CMB

1.0-

Column phase: DB-624

Column diameter: 0.53

0.9-

0.8-

0.7-

0.6-

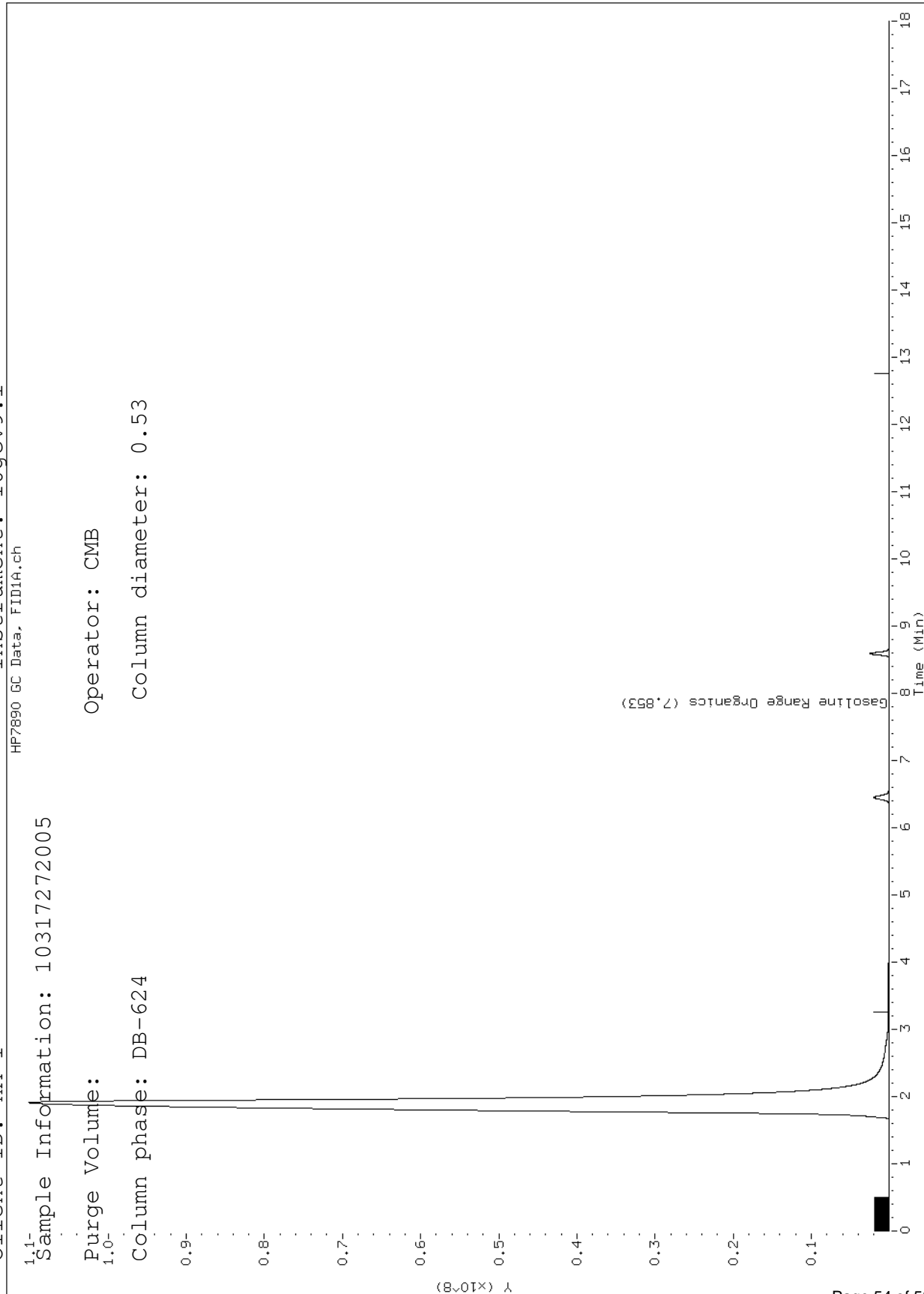
0.5-

0.4-

0.3-

0.2-

0.1-



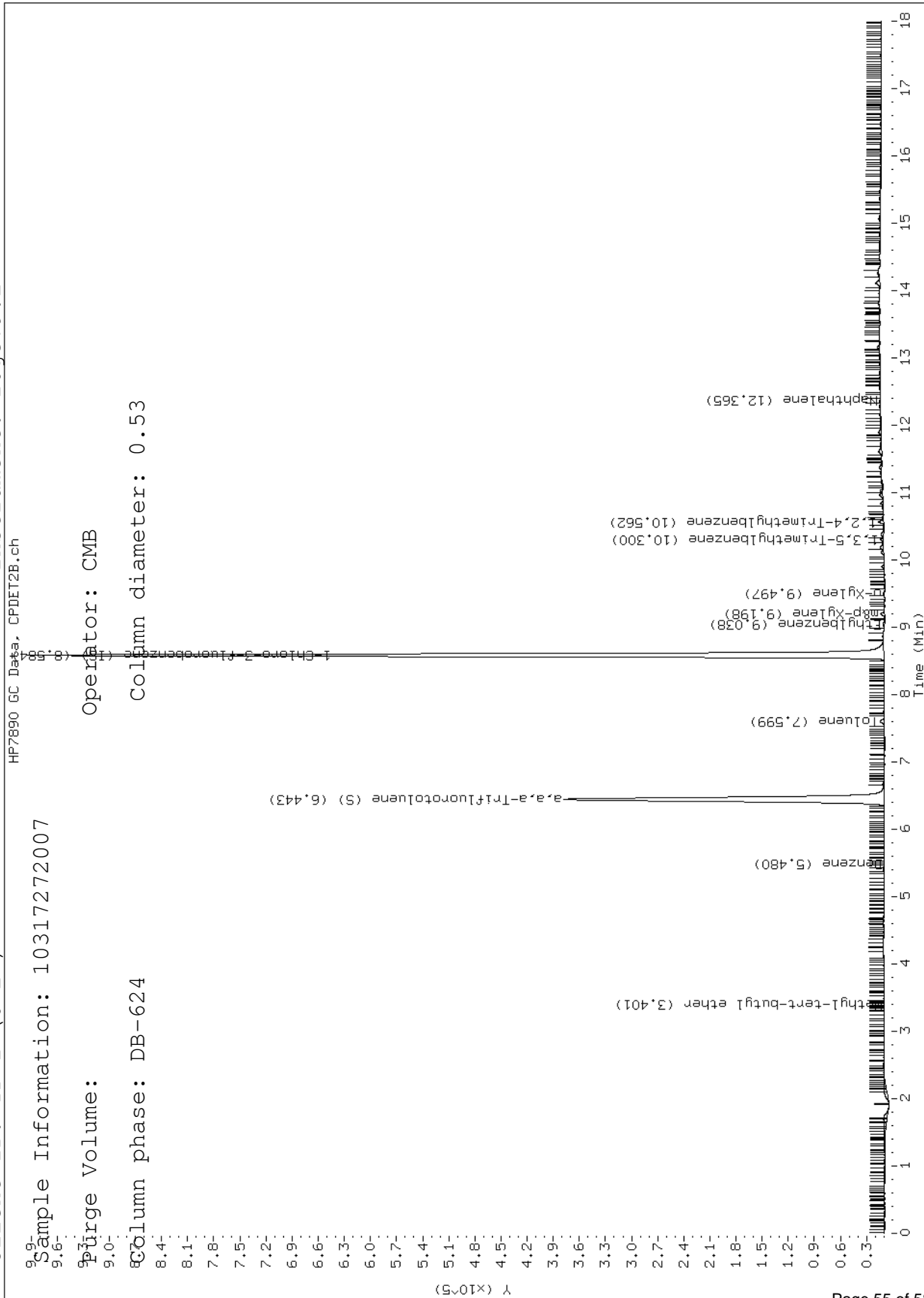
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Report Date: 08/13/2015

Sample ID: 10317272007

Client ID: TP-1 (0-2')

Instrument: 10gcv9.i



Data File: \\192.168.10.12\chem\10gcv9.i\081215B-2.b\22440.d

Report Date: 08/13/2015

Sample ID: 10317272007

Client ID: TP-1 (0-2')

Instrument: 10gcv9.i

HP7890 GC Data, FID1A.ch

Sample Information: 10317272007

1.1-

Purge Volume:

Operator: CMB

Column phase: DB-624

Column diameter: 0.53

0.9-

0.8-

0.7-

0.6-

0.5-

0.4-

0.3-

0.2-

0.1-

0

1

2

3

4

5

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20

Gasoline Range Organics (7.853)

Data File: \\192.168.10.12\chem\10gcv3.i\081215A-1.b\1-224033.d

Report Date: 08/13/2015

Sample ID: 10317272006

Client ID: Instrument: 10gcv3.i

HP5890 GC Data, FID1A.CH

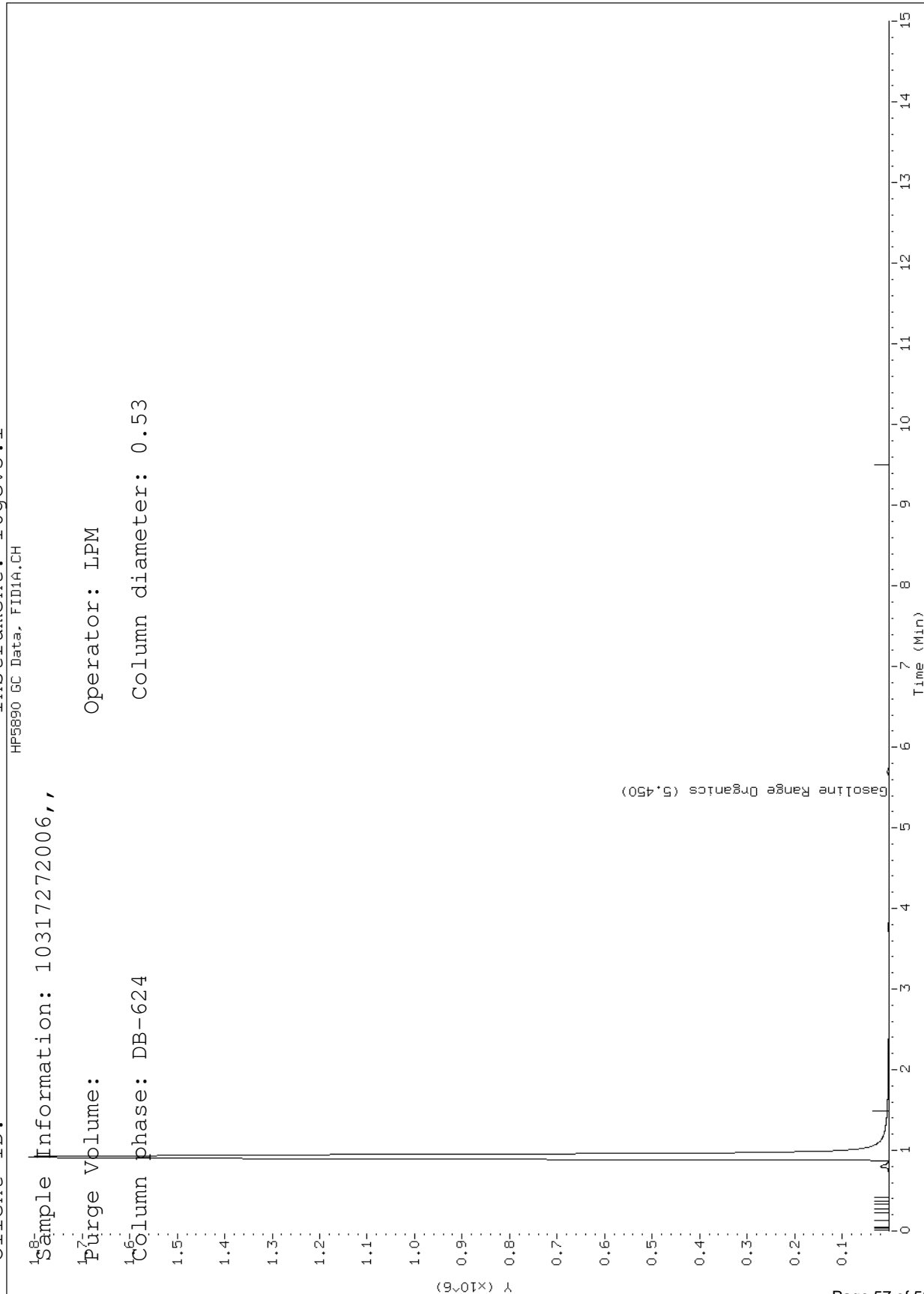
Sample Information: 10317272006,,

Purge Volume:

Operator: IPM

Column phase: DB-624

Column diameter: 0.53



Data File: \\192.168.10.12\chem\10gcv3.i\081215A-2.b\1-224033.d

Report Date: 08/13/2015

Sample ID: 10317272006

Client ID:

Instrument: 10gcv3.i

HP5890 GC Data, FID2B.CH

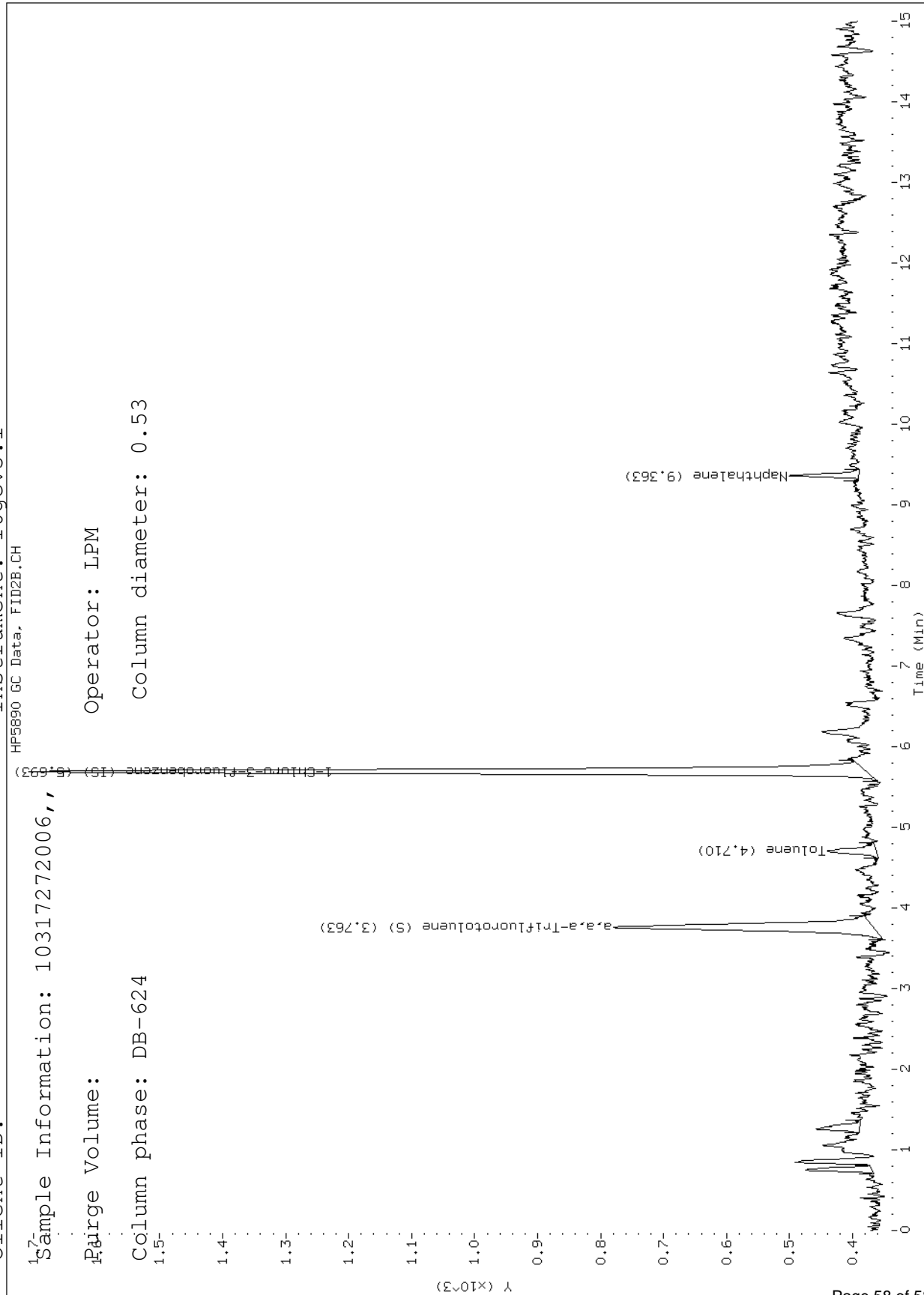
Sample Information: 10317272006,,

Purge Volume:

Operator: IPM

Column phase: DB-624

Column diameter: 0.53





**APPENDIX C**

**EPA SOIL RISK TABLES**

NR 720 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			2	0.0473	1.1E-05
GP-1 (4-6) - Fagerlin Non-Industrial		Bottom-Line:	<b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>		

Date of Entry: 7/20/2017.

List below only has contaminants with data.

Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	106.	1.6	1.6	ca		0.0096		0.0001	6.0E-09
Ethylbenzene	100-41-4	4,080.	8.02	8.02	ca		0.0102		0.	1.3E-09
Toluene	108-88-3	5,240.	-	818.	Csat		0.0131		0.	
Xylenes	1330-20-7	818.	-	260.	Csat		0.041		0.0001	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	22,100.	63.8	63.8	ca		0.0128		0.	2.0E-10
Dichloroethane, 1,2-	107-06-2	43.7	0.652	0.652	ca		0.0153		0.0004	2.3E-08
Dibromoethane, 1,2-	106-93-4	100.	0.05	0.05	ca		0.011		0.0001	2.2E-07
Trichloroethylene	79-01-6	5.68	1.3	1.3	ca		0.0166		0.0029	1.3E-08
Tetrachloroethylene	127-18-4	109.	33.	33.	ca		0.0141		0.0001	4.3E-10
Vinyl Chloride	75-01-4	89.2	0.067	0.067	ca		0.0123		0.0001	1.8E-07
Dichloroethylene, 1,1-	75-35-4	320.	-	320.	nc		0.0156		0.	
Dichloroethylene, 1,2-trans-	156-60-5	1,560.	-	1,560.	nc		0.0113		0.	
Dichloroethylene, 1,2-cis-	156-59-2	156.	-	156.	nc		0.0244		0.0002	
Trichloroethane, 1,1,1-	71-55-6	11,500.	-	640.	Csat		0.0133		0.	
Carbon Tetrachloride	56-23-5	131.	0.916	0.916	ca		0.0166		0.0001	1.8E-08
Trimethylbenzene, 1,2,4-	95-63-6	373.	-	219.	Csat		0.0137		0.	
Trimethylbenzene, 1,3,5-	108-67-8	339.	-	182.	Csat		0.0133		0.	
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.0988		0.0006	1.8E-08
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		7.90E-04		0.	6.9E-09
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		4.50E-04		0.	
Acenaphthylene	208-96-8	-	-	-	-		4.30E-04			
Anthracene	120-12-7	17,900.	-	17,900.	nc		3.80E-04		0.	
Benz[a]anthracene	56-55-3	-	1.14	1.14	ca		2.30E-04			2.0E-10
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		9.30E-04			8.1E-10
Benzo[g,h,i]perylene	191-24-2	-	-	-	-		5.60E-04			
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		5.00E-04			4.3E-11
Chrysene	218-01-9	-	115.	115.	ca		8.10E-04			7.0E-12

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			2	0.0473	1.1E-05
GP-1 (4-6) - Fagerlin Non-Industrial		Bottom-Line: <b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>			

Date of Entry: 7/20/2017.  
Date of Worksheet Used: 03/14/2017.

List below only has contaminants with data.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		5.40E-04			4.7E-09
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		0.0019		0.	
Fluorene	86-73-7	2,390.	-	2,390.	nc		3.90E-04		0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		4.80E-04			4.2E-10
Phenanthrene	85-01-8	-	-	-			0.0012			
Pyrene	129-00-0	1,790.	-	1,790.	nc		0.0015		0.	
Acetone	67-64-1	63,400.	-	63,400.	nc		0.307		0.	
Allyl Chloride	107-05-1	2.38	1.04	1.04	ca		0.0167		0.007	1.6E-08
Bromobenzene	108-86-1	342.	-	342.	nc		0.0166		0.	
Bromochloromethane	74-97-5	216.	-	216.	nc		0.0131		0.0001	
Bromodichloromethane	75-27-4	1,560.	0.418	0.418	ca		0.0122		0.	2.9E-08
Bromoform	75-25-2	1,560.	25.4	25.4	ca		0.0163		0.	6.4E-10
Bromomethane	74-83-9	9.6	-	9.6	nc		0.12		0.0125	
Butylbenzene, n-	104-51-8	3,910.	-	108.	Csat		0.0129		0.	
Butylbenzene, sec-	135-98-8	7,820.	-	145.	Csat		0.014		0.	
Butylbenzene, tert-	98-06-6	7,820.	-	183.	Csat		0.0184		0.	
Chlorobenzene	108-90-7	370.	-	370.	nc		0.0111		0.	
Chloroform	67-66-3	259.	0.454	0.454	ca		0.0115		0.	2.5E-08
Chloromethane	74-87-3	159.	-	159.	nc		0.0138		0.0001	
Chlorotoluene, o-	95-49-8	1,560.	-	907.	Csat		0.0141		0.	
Chlorotoluene, p-	106-43-4	1,560.	-	253.	Csat		0.0129		0.	
Cumene	98-82-8	2,530.	-	268.	Csat		0.0125		0.	
Dibromo-3-chloropropane, 1,2-	96-12-8	5.96	0.008	0.008	ca		0.053	E	0.0089	7.1E-06
Dibromochloromethane	124-48-1	1,560.	8.28	8.28	ca		0.0106		0.	1.3E-09
Dibromomethane (Methylene Bromide)	74-95-3	34.	-	34.	nc		0.0162		0.0005	
Dichlorobenzene, 1,2-	95-50-1	2,350.	-	376.	Csat		0.0166		0.	
Dichlorobenzene, 1,3-	541-73-1	-	-	297.	Csat		0.0167			
Dichlorobenzene, 1,4-	106-46-7	3,810.	3.74	3.74	ca		0.0145		0.	3.9E-09
Dichlorodifluoromethane	75-71-8	126.	-	126.	nc		0.0169		0.0001	
Dichloroethane, 1,1-	75-34-3	15,600.	5.06	5.06	ca		0.0156		0.	3.1E-09

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			2	0.0473	1.1E-05
GP-1 (4-6) - Fagerlin Non-Industrial		Bottom-Line: <b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>			

Date of Entry: 7/20/2017. List below only has contaminants with data.  
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To- Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Dichloropropane, 1,2-	78-87-5	22.6	0.406	0.406	ca		0.014		0.0006	3.4E-08
Dichloropropane, 1,3-	142-28-9	1,560.	-	1,490.	Csat		0.0107		0.	
Dichloropropane, 2,2-	594-20-7	-	-	191.	Csat		0.0277			
Dichloropropene, cis-1,3-	10061-01-5	-	-	1,210.	Csat		0.0071			
Dichloropropene, trans-1,3-	10061-02-6	-	-	1,510.	Csat		0.0266			
Ethyl Chloride	75-00-3	19,500.	-	2,120.	Csat		0.0327		0.	
Ethyl Ether	60-29-7	15,600.	-	10,100.	Csat		0.0223		0.	
Hexachlorobutadiene	87-68-3	78.2	1.63	1.63	ca		0.0292		0.0004	1.8E-08
Isopropyltoluene, p-	99-87-6	-	-	162.	Csat		0.012			
Methyl Ethyl Ketone (2-Butanone)	78-93-3	31,100.	-	28,400.	Csat		0.114		0.	
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	47,700.	-	3,360.	Csat		0.0872		0.	
Methylene Chloride	75-09-2	379.	61.8	61.8	ca		0.0204		0.0001	3.3E-10
Propyl benzene	103-65-1	4,490.	-	264.	Csat		0.0147		0.	
Styrene	100-42-5	7,410.	-	867.	Csat		0.0109		0.	
Tetrachloroethane, 1,1,1,2-	630-20-6	2,350.	2.78	2.78	ca		0.0132		0.	4.7E-09
Tetrachloroethane, 1,1,2,2-	79-34-5	1,560.	0.81	0.81	ca		0.0131		0.	1.6E-08
Tetrahydrofuran	109-99-9	23,300.	-	23,300.	nc		0.108		0.	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	9,640.	-	910.	Csat		0.0162		0.	
Trichlorobenzene, 1,2,3-	87-61-6	62.6	-	62.6	nc		0.0266		0.0004	
Trichlorobenzene, 1,2,4-	120-82-1	80.8	24.	24.	ca		0.0125		0.0002	5.2E-10
Trichloroethane, 1,1,2-	79-00-5	2.16	1.59	1.59	ca		0.0188		0.0087	1.2E-08
Trichlorofluoromethane	75-69-4	23,500.	-	1,230.	Csat		0.0474		0.	
Trichloropropane, 1,2,3-	96-18-4	6.94	0.005	0.005	ca		0.0189	E	0.0027	3.7E-06
Dichlorofluoromethane							0.0644			
Test2Chem(GRO)	Wis. GRO						3.2			
Dichloropropene 1,1							0.0137			

## Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data

BRRTS # :	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			2	0.0418	1.1E-05
<b>GP-2 (4-6) - Fagerlin Non-Industrial</b>		Bottom-Line: <b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>			

Date of Entry: 7/20/2017.

List below only has contaminants with data.

Date of Worksheet Used: 12/11/2015.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	111.	1.49	1.49	ca		0.009		0.0001	6.0E-09
Ethylbenzene	100-41-4	4,220.	7.47	7.47	ca		0.0097		0.	1.3E-09
Toluene	108-88-3	5,300.	-	818.	Csat		0.0124		0.	
Xylenes	1330-20-7	878.	-	260.	Csat		0.0386		0.	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23,800.	59.4	59.4	ca		0.0121		0.	2.0E-10
Dichloroethane, 1,2-	107-06-2	46.7	0.608	0.608	ca		0.0145		0.0003	2.4E-08
Dibromoethane, 1,2-	106-93-4	107.	0.047	0.047	ca		0.0104		0.0001	2.2E-07
Trichloroethylene	79-01-6	6.05	1.26	1.26	ca		0.0156		0.0026	1.2E-08
Tetrachloroethylene	127-18-4	115.	30.7	30.7	ca		0.0133		0.0001	4.3E-10
Vinyl Chloride	75-01-4	93.3	0.067	0.067	ca		0.0116		0.0001	1.7E-07
Dichloroethylene, 1,1-	75-35-4	342.	-	342.	nc		0.0147		0.	
Dichloroethylene, 1,2-trans-	156-60-5	1,560.	-	1,560.	nc		0.0106		0.	
Dichloroethylene, 1,2-cis-	156-59-2	156.	-	156.	nc		0.023		0.0001	
Trichloroethane, 1,1,1-	71-55-6	12,300.	-	640.	Csat		0.0126		0.	
Carbon Tetrachloride	56-23-5	137.	0.854	0.854	ca		0.0156		0.0001	1.8E-08
Trimethylbenzene, 1,2,4-	95-63-6	89.8	-	89.8	nc		0.0129		0.0001	
Trimethylbenzene, 1,3,5-	108-67-8	782.	-	182.	Csat		0.0125		0.	
Naphthalene	91-20-3	188.	5.15	5.15	ca		0.0931		0.0005	1.8E-08
Benzo[a]pyrene	50-32-8	-	0.015	0.015	ca		0.0066			4.5E-07
Acenaphthene	83-32-9	3,440.	-	3,440.	nc		5.30E-04		0.	

BRRTS # :

# of Soil-Concentration Entries: 83

Please do not enter anything  
in this summary!

Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
2	0.0418	1.1E-05

GP-2 (4-6) - Fagerlin  
Non-Industrial

Bottom-Line: **NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.**

Date of Entry: 7/20/2017.

List below only has contaminants with data.

Date of Worksheet Used: 12/11/2015.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Acenaphthylene	208-96-8	-	-	-			5.90E-04			
Anthracene	120-12-7	17,200.	-	17,200.	nc		0.0017		0.	
Benz[a]anthracene	56-55-3	-	0.147	0.147	ca		0.0067			4.6E-08
Benzo[b]fluoranthene	205-99-2	-	0.148	0.148	ca		0.0073			4.9E-08
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.0049			
Benzo[k]fluoranthene	207-08-9	-	1.48	1.48	ca		0.0031			2.1E-09
Chrysene	218-01-9	-	14.8	14.8	ca		0.0068			4.6E-10
Dibenz[a,h]anthracene	53-70-3	-	0.015	0.015	ca		0.0012			8.1E-08
Fluoranthene	206-44-0	2,290.	-	2,290.	nc		0.0123		0.	
Fluorene	86-73-7	2,290.	-	2,290.	nc		6.30E-04		0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	0.148	0.148	ca		0.0037			2.5E-08
Phenanthrene	85-01-8	-	-	-			0.0073			
Pyrene	129-00-0	1,720.	-	1,720.	nc		0.012		0.	
Acetone	67-64-1	63,800.	-	63,800.	nc		0.289		0.	
Allyl Chloride	107-05-1	2.57	0.966	0.966	ca		0.0157		0.0061	1.6E-08
Bromobenzene	108-86-1	354.	-	354.	nc		0.0156		0.	
Bromochloromethane	74-97-5	232.	-	232.	nc		0.0124		0.0001	
Bromodichloromethane	75-27-4	1,560.	0.39	0.39	ca		0.0115		0.	2.9E-08
Bromoform	75-25-2	1,560.	23.6	23.6	ca		0.0154		0.	6.5E-10
Bromomethane	74-83-9	10.3	-	10.3	nc		0.113		0.011	
Butylbenzene, n-	104-51-8	3,910.	-	108.	Csat		0.0121		0.	
Butylbenzene, sec-	135-98-8	7,820.	-	145.	Csat		0.0132		0.	
Butylbenzene, tert-	98-06-6	7,820.	-	183.	Csat		0.0173		0.	
Chlorobenzene	108-90-7	392.	-	392.	nc		0.0105		0.	
Chloroform	67-66-3	272.	0.423	0.423	ca		0.0108		0.	2.6E-08
Chloromethane	74-87-3	171.	-	171.	nc		0.013		0.0001	
Chlorotoluene, o-	95-49-8	1,560.	-	907.	Csat		0.0133		0.	
Chlorotoluene, p-	106-43-4	1,560.	-	253.	Csat		0.0121		0.	
Cumene	98-82-8	2,660.	-	268.	Csat		0.0117		0.	
Dibromo-3-chloropropane, 1,2-	96-12-8	6.23	0.008	0.008	ca		0.05	E	0.008	6.6E-06
Dibromochloromethane	124-48-1	1,560.	7.6	7.6	ca		0.01		0.	1.3E-09
Dibromomethane (Methylene Bromide)	74-95-3	36.6	-	36.6	nc		0.0152		0.0004	
Dichlorobenzene, 1,2-	95-50-1	2,460.	-	376.	Csat		0.0156		0.	
Dichlorobenzene, 1,3-	541-73-1	-	-	297.	Csat		0.0157			
Dichlorobenzene, 1,4-	106-46-7	3,900.	3.48	3.48	ca		0.0137		0.	3.9E-09
Dichlorodifluoromethane	75-71-8	135.	-	135.	nc		0.0159		0.0001	
Dichloroethane, 1,1-	75-34-3	15,600.	4.72	4.72	ca		0.0123		0.	2.6E-09

BRRTS # :

# of Soil-Concentration Entries: 83

Please do not enter anything  
in this summary!

Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
2	0.0418	1.1E-05

GP-2 (4-6) - Fagerlin  
Non-Industrial

Bottom-Line: **NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.**

Date of Entry: 7/20/2017.

List below only has contaminants with data.

Date of Worksheet Used: 12/11/2015.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Dichloropropane, 1,2-	78-87-5	24.5	1.33	1.33	ca		0.0132		0.0005	9.9E-09
Dichloropropane, 1,3-	142-28-9	1,560.	-	1,490.	Csat		0.0101		0.	
Dichloropropane, 2,2-	594-20-7	-	-	191.	Csat		0.0261			
Dichloropropene, cis-1,3-	10061-01-5	-	-	1,210.	Csat		0.0067			
Dichloropropene, trans-1,3-	10061-02-6	-	-	1,510.	Csat		0.025			
Ethyl Chloride	75-00-3	21,000.	-	2,120.	Csat		0.0309		0.	
Ethyl Ether	60-29-7	15,600.	-	10,100.	Csat		0.021		0.	
Hexachlorobutadiene	87-68-3	78.2	1.51	1.51	ca		0.0275		0.0004	1.8E-08
Isopropyltoluene, p-	99-87-6	-	-	162.	Csat		0.0113			
Methyl Ethyl Ketone (2-Butanone)	78-93-3	31,800.	-	28,400.	Csat		0.107		0.	
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	51,400.	-	3,360.	Csat		0.0821		0.	
Methylene Chloride	75-09-2	385.	60.7	60.7	ca		0.0192		0.	3.2E-10
Propyl benzene	103-65-1	4,630.	-	264.	Csat		0.0138		0.	
Styrene	100-42-5	7,690.	-	867.	Csat		0.0103		0.	
Tetrachloroethane, 1,1,1,2-	630-20-6	2,350.	2.59	2.59	ca		0.0124		0.	4.8E-09
Tetrachloroethane, 1,1,2,2-	79-34-5	1,560.	0.753	0.753	ca		0.0124		0.	1.6E-08
Tetrahydrofuran	109-99-9	24,600.	-	24,600.	nc		0.102		0.	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	60,900.	-	910.	Csat		0.0152		0.	
Trichlorobenzene, 1,2,3-	87-61-6	62.6	-	62.6	nc		0.025		0.0004	
Trichlorobenzene, 1,2,4-	120-82-1	86.3	22.	22.	ca		0.0117		0.0001	5.3E-10
Trichloroethane, 1,1,2-	79-00-5	2.32	1.48	1.48	ca		0.0177		0.0076	1.2E-08
Trichlorofluoromethane	75-69-4	23,500.	-	1,230.	Csat		0.0447		0.	
Trichloropropane, 1,2,3-	96-18-4	7.45	0.005	0.005	ca		0.0178	E	0.0024	3.6E-06
Test2Chem(GRO)	Wis. GRO						2.4			
Dichlorofluoromethane							0.0607			
Dichloropropene 1,1							0.0129			

NR 720 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			2	0.0393	9.5E-06
GP-3 (6-8) - Fagerlin Non-Industrial		Bottom-Line: <b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>			

Date of Entry: 7/20/2017.

List below only has contaminants with data.

Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	106.	1.6	1.6	ca		0.008		0.0001	5.0E-09
Ethylbenzene	100-41-4	4,080.	8.02	8.02	ca		0.0085		0.	1.1E-09
Toluene	108-88-3	5,240.	-	818.	Csat		0.0109		0.	
Xylenes	1330-20-7	818.	-	260.	Csat		0.0342		0.	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	22,100.	63.8	63.8	ca		0.0107		0.	1.7E-10
Dichloroethane, 1,2-	107-06-2	43.7	0.652	0.652	ca		0.0128		0.0003	2.0E-08
Dibromoethane, 1,2-	106-93-4	100.	0.05	0.05	ca		0.0092		0.0001	1.8E-07
Trichloroethylene	79-01-6	5.68	1.3	1.3	ca		0.0138		0.0024	1.1E-08
Tetrachloroethylene	127-18-4	109.	33.	33.	ca		0.0118		0.0001	3.6E-10
Vinyl Chloride	75-01-4	89.2	0.067	0.067	ca		0.0103		0.0001	1.5E-07
Dichloroethylene, 1,1-	75-35-4	320.	-	320.	nc		0.013		0.	
Dichloroethylene, 1,2-trans-	156-60-5	1,560.	-	1,560.	nc		0.0094		0.	
Dichloroethylene, 1,2-cis-	156-59-2	156.	-	156.	nc		0.0203		0.0001	
Trichloroethane, 1,1,1-	71-55-6	11,500.	-	640.	Csat		0.0111		0.	
Carbon Tetrachloride	56-23-5	131.	0.916	0.916	ca		0.0138		0.0001	1.5E-08
Trimethylbenzene, 1,2,4-	95-63-6	373.	-	219.	Csat		0.0114		0.	
Trimethylbenzene, 1,3,5-	108-67-8	339.	-	182.	Csat		0.011		0.	
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.0823		0.0005	1.5E-08
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		4.20E-04		0.	3.7E-09
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		4.20E-04		0.	
Acenaphthylene	208-96-8	-	-	-	-		3.90E-04			
Anthracene	120-12-7	17,900.	-	17,900.	nc		3.60E-04		0.	
Benz[a]anthracene	56-55-3	-	1.14	1.14	ca		6.50E-04			5.7E-10
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		5.50E-04			4.8E-10
Benzo[g,h,i]perylene	191-24-2	-	-	-	-		4.10E-04			
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		4.70E-04			4.1E-11
Chrysene	218-01-9	-	115.	115.	ca		4.40E-04			3.8E-12



BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			2	0.0393	9.5E-06
GP-3 (6-8) - Fagerlin Non-Industrial		Bottom-Line: <b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>			

Date of Entry: 7/20/2017. List below only has contaminants with data.  
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To- Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		5.00E-04			4.3E-09
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		0.001		0.	
Fluorene	86-73-7	2,390.	-	2,390.	nc		3.60E-04		0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		4.50E-04			3.9E-10
Phenanthrene	85-01-8	-	-	-			8.90E-04			
Pyrene	129-00-0	1,790.	-	1,790.	nc		7.80E-04		0.	
Acetone	67-64-1	63,400.	-	63,400.	nc		0.256		0.	
Allyl Chloride	107-05-1	2.38	1.04	1.04	ca		0.0139		0.0058	1.3E-08
Bromobenzene	108-86-1	342.	-	342.	nc		0.0138		0.	
Bromochloromethane	74-97-5	216.	-	216.	nc		0.0109		0.0001	
Bromodichloromethane	75-27-4	1,560.	0.418	0.418	ca		0.0102		0.	2.4E-08
Bromoform	75-25-2	1,560.	25.4	25.4	ca		0.0136		0.	5.4E-10
Bromomethane	74-83-9	9.6	-	9.6	nc		0.1		0.0104	
Butylbenzene, n-	104-51-8	3,910.	-	108.	Csat		0.0107		0.	
Butylbenzene, sec-	135-98-8	7,820.	-	145.	Csat		0.0116		0.	
Butylbenzene, tert-	98-06-6	7,820.	-	183.	Csat		0.0153		0.	
Chlorobenzene	108-90-7	370.	-	370.	nc		0.0093		0.	
Chloroform	67-66-3	259.	0.454	0.454	ca		0.0096		0.	2.1E-08
Chloromethane	74-87-3	159.	-	159.	nc		0.0115		0.0001	
Chlorotoluene, o-	95-49-8	1,560.	-	907.	Csat		0.0118		0.	
Chlorotoluene, p-	106-43-4	1,560.	-	253.	Csat		0.0107		0.	
Cumene	98-82-8	2,530.	-	268.	Csat		0.0104		0.	
Dibromo-3-chloropropane, 1,2-	96-12-8	5.96	0.008	0.008	ca		0.0442	E	0.0074	5.9E-06
Dibromochloromethane	124-48-1	1,560.	8.28	8.28	ca		0.0088		0.	1.1E-09
Dibromomethane (Methylene Bromide)	74-95-3	34.	-	34.	nc		0.0135		0.0004	
Dichlorobenzene, 1,2-	95-50-1	2,350.	-	376.	Csat		0.0138		0.	
Dichlorobenzene, 1,3-	541-73-1	-	-	297.	Csat		0.0139			
Dichlorobenzene, 1,4-	106-46-7	3,810.	3.74	3.74	ca		0.0121		0.	3.2E-09
Dichlorodifluoromethane	75-71-8	126.	-	126.	nc		0.014		0.0001	
Dichloroethane, 1,1-	75-34-3	15,600.	5.06	5.06	ca		0.0109		0.	2.2E-09

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			2	0.0393	9.5E-06
GP-3 (6-8) - Fagerlin Non-Industrial		Bottom-Line: <b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>			

Date of Entry: 7/20/2017. List below only has contaminants with data.  
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To- Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Dichloropropane, 1,2-	78-87-5	22.6	0.406	0.406	ca		0.0116		0.0005	2.9E-08
Dichloropropane, 1,3-	142-28-9	1,560.	-	1,490.	Csat		0.0089		0.	
Dichloropropane, 2,2-	594-20-7	-	-	191.	Csat		0.0231			
Dichloropropene, cis-1,3-	10061-01-5	-	-	1,210.	Csat		0.0059			
Dichloropropene, trans-1,3-	10061-02-6	-	-	1,510.	Csat		0.0222			
Ethyl Chloride	75-00-3	19,500.	-	2,120.	Csat		0.0273		0.	
Ethyl Ether	60-29-7	15,600.	-	10,100.	Csat		0.0186		0.	
Hexachlorobutadiene	87-68-3	78.2	1.63	1.63	ca		0.0243		0.0003	1.5E-08
Isopropyltoluene, p-	99-87-6	-	-	162.	Csat		0.01			
Methyl Ethyl Ketone (2-Butanone)	78-93-3	31,100.	-	28,400.	Csat		0.0948		0.	
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	47,700.	-	3,360.	Csat		0.0726		0.	
Methylene Chloride	75-09-2	379.	61.8	61.8	ca		0.017		0.	2.8E-10
Propyl benzene	103-65-1	4,490.	-	264.	Csat		0.0122		0.	
Styrene	100-42-5	7,410.	-	867.	Csat		0.0091		0.	
Tetrachloroethane, 1,1,1,2-	630-20-6	2,350.	2.78	2.78	ca		0.011		0.	4.0E-09
Tetrachloroethane, 1,1,1,2-	79-34-5	1,560.	0.81	0.81	ca		0.0109		0.	1.3E-08
Tetrahydrofuran	109-99-9	23,300.	-	23,300.	nc		0.0903		0.	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	9,640.	-	910.	Csat		0.0135		0.	
Trichlorobenzene, 1,2,3-	87-61-6	62.6	-	62.6	nc		0.0222		0.0004	
Trichlorobenzene, 1,2,4-	120-82-1	80.8	24.	24.	ca		0.0104		0.0001	4.3E-10
Trichloroethane, 1,1,1,2-	79-00-5	2.16	1.59	1.59	ca		0.0156		0.0072	9.8E-09
Trichlorofluoromethane	75-69-4	23,500.	-	1,230.	Csat		0.0395		0.	
Trichloropropane, 1,2,3-	96-18-4	6.94	0.005	0.005	ca		0.0158	E	0.0023	3.1E-06
Methylene Bromide							0.1			
Test2Chem(GRO)	Wis. GRO						2.4			
Dichloropropene 1,1							0.0114			

## NR 720 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance <b>3</b>	(Cumulative) Hazard Index <b>0.0683</b>	(Cumulative) Cancer Risk <b>1.6E-05</b>
<b>GP-4 (0-2) - Fagerlin          Non-Industrial</b>	Bottom-Line: <b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>				

Date of Entry: 7/20/2017.

List below only has contaminants with data.

Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	106.	1.6	1.6	ca		0.0089		0.0001	5.6E-09
Ethylbenzene	100-41-4	4,080.	8.02	8.02	ca		0.0095		0.	1.2E-09
Toluene	108-88-3	5,240.	-	818.	Csat		0.0391		0.	
Xylenes	1330-20-7	818.	-	260.	Csat		0.0379		0.	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	22,100.	63.8	63.8	ca		0.0119		0.	1.9E-10
Dichloroethane, 1,2-	107-06-2	43.7	0.652	0.652	ca		0.0142		0.0003	2.2E-08
Dibromoethane, 1,2-	106-93-4	100.	0.05	0.05	ca		0.0102		0.0001	2.0E-07
Trichloroethylene	79-01-6	5.68	1.3	1.3	ca		0.0153		0.0027	1.2E-08
Tetrachloroethylene	127-18-4	109.	33.	33.	ca		0.0131		0.0001	4.0E-10
Vinyl Chloride	75-01-4	89.2	0.067	0.067	ca		0.0114		0.0001	1.7E-07
Dichloroethylene, 1,1-	75-35-4	320.	-	320.	nc		0.0144		0.	
Dichloroethylene, 1,2-trans-	156-60-5	1,560.	-	1,560.	nc		0.0104		0.	
Dichloroethylene, 1,2-cis-	156-59-2	156.	-	156.	nc		0.0226		0.0001	
Trichloroethane, 1,1,1-	71-55-6	11,500.	-	640.	Csat		0.0123		0.	
Carbon Tetrachloride	56-23-5	131.	0.916	0.916	ca		0.0153		0.0001	1.7E-08
Trimethylbenzene, 1,2,4-	95-63-6	373.	-	219.	Csat		0.0127		0.	
Trimethylbenzene, 1,3,5-	108-67-8	339.	-	182.	Csat		0.0123		0.	
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.0914		0.0005	1.7E-08
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.419	<b>E</b>	0.0235	3.6E-06
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.0495		0.	
Acenaphthylene	208-96-8	-	-	-	-		0.0549		-	-
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.144		0.	
Benz[a]anthracene	56-55-3	-	1.14	1.14	ca		0.43		-	3.8E-07
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		0.53		-	4.6E-07
Benzo[g,h,i]perylene	191-24-2	-	-	-	-		0.256		-	-
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.271		-	2.4E-08
Chrysene	218-01-9	-	115.	115.	ca		0.534		-	4.6E-09

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			3	0.0683	1.6E-05
GP-4 (0-2) - Fagerlin Non-Industrial		Bottom-Line: <b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>			

Date of Entry: 7/20/2017. List below only has contaminants with data.  
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To- Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.0856			7.4E-07
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		0.957		0.0004	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.0523		0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.215			1.9E-07
Phenanthrene	85-01-8	-	-	-			0.609			
Pyrene	129-00-0	1,790.	-	1,790.	nc		0.873		0.0005	
Acetone	67-64-1	63,400.	-	63,400.	nc		0.284		0.	
Allyl Chloride	107-05-1	2.38	1.04	1.04	ca		0.0155		0.0065	1.5E-08
Bromobenzene	108-86-1	342.	-	342.	nc		0.0153		0.	
Bromochloromethane	74-97-5	216.	-	216.	nc		0.0121		0.0001	
Bromodichloromethane	75-27-4	1,560.	0.418	0.418	ca		0.0113		0.	2.7E-08
Bromoform	75-25-2	1,560.	25.4	25.4	ca		0.0151		0.	5.9E-10
Bromomethane	74-83-9	9.6	-	9.6	nc		0.111		0.0116	
Butylbenzene, n-	104-51-8	3,910.	-	108.	Csat		0.0119		0.	
Butylbenzene, sec-	135-98-8	7,820.	-	145.	Csat		0.0129		0.	
Butylbenzene, tert-	98-06-6	7,820.	-	183.	Csat		0.017		0.	
Chlorobenzene	108-90-7	370.	-	370.	nc		0.0103		0.	
Chloroform	67-66-3	259.	0.454	0.454	ca		0.0106		0.	2.3E-08
Chloromethane	74-87-3	159.	-	159.	nc		0.0128		0.0001	
Chlorotoluene, o-	95-49-8	1,560.	-	907.	Csat		0.0131		0.	
Chlorotoluene, p-	106-43-4	1,560.	-	253.	Csat		0.0119		0.	
Cumene	98-82-8	2,530.	-	268.	Csat		0.0115		0.	
Dibromo-3-chloropropane, 1,2-	96-12-8	5.96	0.008	0.008	ca		0.0491	E	0.0082	6.5E-06
Dibromochloromethane	124-48-1	1,560.	8.28	8.28	ca		0.0596		0.	7.2E-09
Dibromomethane (Methylene Bromide)	74-95-3	34.	-	34.	nc		0.015		0.0004	
Dichlorobenzene, 1,2-	95-50-1	2,350.	-	376.	Csat		0.0153		0.	
Dichlorobenzene, 1,3-	541-73-1	-	-	297.	Csat		0.0155			
Dichlorobenzene, 1,4-	106-46-7	3,810.	3.74	3.74	ca		0.0134		0.	3.6E-09
Dichlorodifluoromethane	75-71-8	126.	-	126.	nc		0.0156		0.0001	
Dichloroethane, 1,1-	75-34-3	15,600.	5.06	5.06	ca		0.0121		0.	2.4E-09

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			3	0.0683	1.6E-05
<div style="border: 1px solid red; padding: 2px; display: inline-block;">GP-4 (0-2) - Fagerlin Non-Industrial</div>		Bottom-Line: <b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>			

Date of Entry: 7/20/2017. List below only has contaminants with data.  
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Dichloropropane, 1,2-	78-87-5	22.6	0.406	0.406	ca		0.0129		0.0006	3.2E-08
Dichloropropane, 1,3-	142-28-9	1,560.	-	1,490.	Csat		0.0099		0.	
Dichloropropane, 2,2-	594-20-7	-	-	191.	Csat		0.0256			
Dichloropropene, cis-1,3-	10061-01-5	-	-	1,210.	Csat		0.0066			
Dichloropropene, trans-1,3-	10061-02-6	-	-	1,510.	Csat		0.0246			
Ethyl Chloride	75-00-3	19,500.	-	2,120.	Csat		0.0303		0.	
Ethyl Ether	60-29-7	15,600.	-	10,100.	Csat		0.0207		0.	
Hexachlorobutadiene	87-68-3	78.2	1.63	1.63	ca		0.027		0.0003	1.7E-08
Isopropyltoluene, p-	99-87-6	-	-	162.	Csat		0.0111			
Methyl Ethyl Ketone (2-Butanone)	78-93-3	31,100.	-	28,400.	Csat		0.105		0.	
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	47,700.	-	3,360.	Csat		0.0806		0.	
Methylene Chloride	75-09-2	379.	61.8	61.8	ca		0.0475		0.0001	7.7E-10
Propyl benzene	103-65-1	4,490.	-	264.	Csat		0.0136		0.	
Styrene	100-42-5	7,410.	-	867.	Csat		0.0101		0.	
Tetrachloroethane, 1,1,1,2-	630-20-6	2,350.	2.78	2.78	ca		0.0122		0.	4.4E-09
Tetrachloroethane, 1,1,1,2-	79-34-5	1,560.	0.81	0.81	ca		0.0121		0.	1.5E-08
Tetrahydrofuran	109-99-9	23,300.	-	23,300.	nc		0.1		0.	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	9,640.	-	910.	Csat		0.015		0.	
Trichlorobenzene, 1,2,3-	87-61-6	62.6	-	62.6	nc		0.0246		0.0004	
Trichlorobenzene, 1,2,4-	120-82-1	80.8	24.	24.	ca		0.0115		0.0001	4.8E-10
Trichloroethane, 1,1,1,2-	79-00-5	2.16	1.59	1.59	ca		0.0174		0.0081	1.1E-08
Trichlorofluoromethane	75-69-4	23,500.	-	1,230.	Csat		0.0439		0.	
Trichloropropane, 1,2,3-	96-18-4	6.94	0.005	0.005	ca		0.0175	E	0.0025	3.4E-06
Dichlorofluoromethane							0.0596			
Test2Chem(GRO)	Wis. GRO						25.5			
Dichloropropene 1,1							0.0127			

NR 720 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			0	0.0113	1.1E-06
GP-4 (0-2) - Fagerlin Industrial		Bottom-Line:	Yes, levels are below INDUSTRIAL direct-contact concern.		

Date of Entry: 7/20/2017. List below only has contaminants with data.  
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	587.	7.07	7.07	ca		0.0089		0.	1.3E-09
Ethylbenzene	100-41-4	27,400.	35.4	35.4	ca		0.0095		0.	2.7E-10
Toluene	108-88-3	55,300.	-	818.	Csat		0.0391		0.	
Xylenes	1330-20-7	3,570.	-	260.	Csat		0.0379		0.	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	93,000.	282.	282.	ca		0.0119		0.	4.2E-11
Dichloroethane, 1,2-	107-06-2	197.	2.87	2.87	ca		0.0142		0.0001	4.9E-09
Dibromoethane, 1,2-	106-93-4	470.	0.221	0.221	ca		0.0102		0.	4.6E-08
Trichloroethylene	79-01-6	26.7	8.41	8.41	ca		0.0153		0.0006	1.8E-09
Tetrachloroethylene	127-18-4	547.	145.	145.	ca		0.0131		0.	9.0E-11
Vinyl Chloride	75-01-4	515.	2.08	2.08	ca		0.0114		0.	5.5E-09
Dichloroethylene, 1,1-	75-35-4	1,430.	-	1,190.	Csat		0.0144		0.	
Dichloroethylene, 1,2-trans-	156-60-5	23,400.	-	1,850.	Csat		0.0104		0.	
Dichloroethylene, 1,2-cis-	156-59-2	2,340.	-	2,340.	nc		0.0226		0.	
Trichloroethane, 1,1,1-	71-55-6	51,000.	-	640.	Csat		0.0123		0.	
Carbon Tetrachloride	56-23-5	786.	4.03	4.03	ca		0.0153		0.	3.8E-09
Trimethylbenzene, 1,2,4-	95-63-6	2,390.	-	219.	Csat		0.0127		0.	
Trimethylbenzene, 1,3,5-	108-67-8	2,060.	-	182.	Csat		0.0123		0.	
Naphthalene	91-20-3	830.	24.1	24.1	ca		0.0914		0.0001	3.8E-09
Benzo[a]pyrene	50-32-8	222.	2.11	2.11	ca		0.419		0.0019	2.0E-07
Acenaphthene	83-32-9	45,200.	-	45,200.	nc		0.0495		0.	
Acenaphthylene	208-96-8	-	-	-	-		0.0549			
Anthracene	120-12-7	226,000.	-	100,000.	ceiling		0.144		0.	
Benz[a]anthracene	56-55-3	-	20.8	20.8	ca		0.43			2.1E-08
Benzo[b]fluoranthene	205-99-2	-	21.1	21.1	ca		0.53			2.5E-08
Benzo[g,h,i]perylene	191-24-2	-	-	-	-		0.256			
Benzo[k]fluoranthene	207-08-9	-	211.	211.	ca		0.271			1.3E-09
Chrysene	218-01-9	-	2,110.	2,110.	ca		0.534			2.5E-10

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			0	0.0113	1.1E-06
GP-4 (0-2) - Fagerlin Industrial		Bottom-Line:	Yes, levels are below INDUSTRIAL direct-contact concern.		

Date of Entry: 7/20/2017. List below only has contaminants with data.  
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Dibenz[a,h]anthracene	53-70-3	-	2.11	2.11	ca		0.0856			4.1E-08
Fluoranthene	206-44-0	30,100.	-	30,100.	nc		0.957		0.	
Fluorene	86-73-7	30,100.	-	30,100.	nc		0.0523		0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	21.1	21.1	ca		0.215			1.0E-08
Phenanthrene	85-01-8	-	-	-			0.609			
Pyrene	129-00-0	22,600.	-	22,600.	nc		0.873		0.	
Acetone	67-64-1	754,000.	-	100,000.	ceiling		0.284		0.	
Allyl Chloride	107-05-1	10.	4.54	4.54	ca		0.0155		0.0016	3.4E-09
Bromobenzene	108-86-1	2,370.	-	679.	Csat		0.0153		0.	
Bromochloromethane	74-97-5	906.	-	906.	nc		0.0121		0.	
Bromodichloromethane	75-27-4	23,400.	1.83	1.83	ca		0.0113		0.	6.2E-09
Bromoform	75-25-2	23,400.	113.	113.	ca		0.0151		0.	1.3E-10
Bromomethane	74-83-9	43.	-	43.	nc		0.111		0.0026	
Butylbenzene, n-	104-51-8	58,400.	-	108.	Csat		0.0119		0.	
Butylbenzene, sec-	135-98-8	117,000.	-	145.	Csat		0.0129		0.	
Butylbenzene, tert-	98-06-6	117,000.	-	183.	Csat		0.017		0.	
Chlorobenzene	108-90-7	1,870.	-	761.	Csat		0.0103		0.	
Chloroform	67-66-3	1,420.	1.98	1.98	ca		0.0106		0.	5.4E-09
Chloromethane	74-87-3	669.	-	669.	nc		0.0128		0.	
Chlorotoluene, o-	95-49-8	23,400.	-	907.	Csat		0.0131		0.	
Chlorotoluene, p-	106-43-4	23,400.	-	253.	Csat		0.0119		0.	
Cumene	98-82-8	13,800.	-	268.	Csat		0.0115		0.	
Dibromo-3-chloropropane, 1,2-	96-12-8	34.5	0.092	0.092	ca		0.0491		0.0014	5.3E-07
Dibromochloromethane	124-48-1	23,400.	38.9	38.9	ca		0.0596		0.	1.5E-09
Dibromomethane (Methylene Bromide)	74-95-3	143.	-	143.	nc		0.015		0.0001	
Dichlorobenzene, 1,2-	95-50-1	13,000.	-	376.	Csat		0.0153		0.	
Dichlorobenzene, 1,3-	541-73-1	-	-	297.	Csat		0.0155			
Dichlorobenzene, 1,4-	106-46-7	32,100.	16.4	16.4	ca		0.0134		0.	8.2E-10
Dichlorodifluoromethane	75-71-8	530.	-	530.	nc		0.0156		0.	
Dichloroethane, 1,1-	75-34-3	234,000.	22.2	22.2	ca		0.0121		0.	5.5E-10

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			0	0.0113	1.1E-06
	<b>GP-4 (0-2) - Fagerlin Industrial</b>	Bottom-Line:	Yes, levels are below INDUSTRIAL direct-contact concern.		

Date of Entry: 7/20/2017.  
Date of Worksheet Used: 03/14/2017.

List below only has contaminants with data.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To- Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Dichloropropane, 1,2-	78-87-5	95.6	1.78	1.78	ca		0.0129		0.0001	7.2E-09
Dichloropropane, 1,3-	142-28-9	23,400.	-	1,490.	Csat		0.0099		0.	
Dichloropropane, 2,2-	594-20-7	-	-	191.	Csat		0.0256			
Dichloropropene, cis-1,3-	10061-01-5	-	-	1,210.	Csat		0.0066			
Dichloropropene, trans-1,3-	10061-02-6	-	-	1,510.	Csat		0.0246			
Ethyl Chloride	75-00-3	81,900.	-	2,120.	Csat		0.0303		0.	
Ethyl Ether	60-29-7	234,000.	-	10,100.	Csat		0.0207		0.	
Hexachlorobutadiene	87-68-3	1,170.	7.19	7.19	ca		0.027		0.	3.8E-09
Isopropyltoluene, p-	99-87-6	-	-	162.	Csat		0.0111			
Methyl Ethyl Ketone (2-Butanone)	78-93-3	249,000.	-	28,400.	Csat		0.105		0.	
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	201,000.	-	3,360.	Csat		0.0806		0.	
Methylene Chloride	75-09-2	3,800.	1,150.	1,150.	ca		0.0475		0.	4.1E-11
Propyl benzene	103-65-1	32,100.	-	264.	Csat		0.0136		0.	
Styrene	100-42-5	47,200.	-	867.	Csat		0.0101		0.	
Tetrachloroethane, 1,1,1,2-	630-20-6	35,000.	12.3	12.3	ca		0.0122		0.	9.9E-10
Tetrachloroethane, 1,1,2,2-	79-34-5	23,400.	3.6	3.6	ca		0.0121		0.	3.4E-09
Tetrahydrofuran	109-99-9	130,000.	-	100,000.	ceiling		0.1		0.	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	40,600.	-	910.	Csat		0.015		0.	
Trichlorobenzene, 1,2,3-	87-61-6	934.	-	934.	nc		0.0246		0.	
Trichlorobenzene, 1,2,4-	120-82-1	366.	113.	113.	ca		0.0115		0.	1.0E-10
Trichloroethane, 1,1,2-	79-00-5	9.11	7.01	7.01	ca		0.0174		0.0019	2.5E-09
Trichlorofluoromethane	75-69-4	350,000.	-	1,230.	Csat		0.0439		0.	
Trichloropropane, 1,2,3-	96-18-4	29.6	0.109	0.109	ca		0.0175		0.0006	1.6E-07
Dichlorofluoromethane							0.0596			
Test2Chem(GRO)	Wis. GRO						25.5			
Dichloropropene 1,1							0.0127			



NR 720 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 84	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			2	0.0434	1.1E-05
GP-5 (8-10) - Fagerlin Non-Industrial		Bottom-Line: <b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>			

Date of Entry: 7/20/2017.

List below only has contaminants with data.

Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	106.	1.6	1.6	ca		0.0088		0.0001	5.5E-09
Ethylbenzene	100-41-4	4,080.	8.02	8.02	ca		0.0094		0.	1.2E-09
Toluene	108-88-3	5,240.	-	818.	Csat		0.0121		0.	
Xylenes	1330-20-7	818.	-	260.	Csat		0.0377		0.	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	22,100.	63.8	63.8	ca		0.0118		0.	1.8E-10
Dichloroethane, 1,2-	107-06-2	43.7	0.652	0.652	ca		0.0141		0.0003	2.2E-08
Dibromoethane, 1,2-	106-93-4	100.	0.05	0.05	ca		0.0101		0.0001	2.0E-07
Trichloroethylene	79-01-6	5.68	1.3	1.3	ca		0.0152		0.0027	1.2E-08
Tetrachloroethylene	127-18-4	109.	33.	33.	ca		0.013		0.0001	3.9E-10
Vinyl Chloride	75-01-4	89.2	0.067	0.067	ca		0.0113		0.0001	1.7E-07
Dichloroethylene, 1,1-	75-35-4	320.	-	320.	nc		0.0144		0.	
Dichloroethylene, 1,2-trans-	156-60-5	1,560.	-	1,560.	nc		0.0244		0.	
Dichloroethylene, 1,2-cis-	156-59-2	156.	-	156.	nc		0.0065		0.	
Trichloroethane, 1,1,1-	71-55-6	11,500.	-	640.	Csat		0.0123		0.	
Carbon Tetrachloride	56-23-5	131.	0.916	0.916	ca		0.0152		0.0001	1.7E-08
Trimethylbenzene, 1,2,4-	95-63-6	373.	-	219.	Csat		0.0126		0.	
Trimethylbenzene, 1,3,5-	108-67-8	339.	-	182.	Csat		0.0122		0.	
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.0908		0.0005	1.6E-08
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		2.60E-04		0.	2.3E-09
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		4.70E-04		0.	
Acenaphthylene	208-96-8	-	-	-	-		4.40E-04		-	-
Anthracene	120-12-7	17,900.	-	17,900.	nc		4.00E-04		0.	
Benz[a]anthracene	56-55-3	-	1.14	1.14	ca		2.40E-04		-	2.1E-10
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		4.50E-04		-	3.9E-10
Benzo[g,h,i]perylene	191-24-2	-	-	-	-		4.60E-04		-	-
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		5.20E-04		-	4.5E-11
Chrysene	218-01-9	-	115.	115.	ca		3.20E-04		-	2.8E-12

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 84	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			2	0.0434	1.1E-05
GP-5 (8-10) - Fagerlin Non-Industrial		Bottom-Line:	<b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>		

Date of Entry: 7/20/2017.  
Date of Worksheet Used: 03/14/2017.

List below only has contaminants with data.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		5.60E-04			4.9E-09
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		6.90E-04		0.	
Fluorene	86-73-7	2,390.	-	2,390.	nc		4.00E-04		0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		5.00E-04			4.3E-10
Phenanthrene	85-01-8	-	-	-			7.00E-04			
Pyrene	129-00-0	1,790.	-	1,790.	nc		4.00E-04		0.	
Acetone	67-64-1	63,400.	-	63,400.	nc		0.282		0.	
Allyl Chloride	107-05-1	2.38	1.04	1.04	ca		0.0154		0.0065	1.5E-08
Bromobenzene	108-86-1	342.	-	342.	nc		0.0152		0.	
Bromochloromethane	74-97-5	216.	-	216.	nc		0.0121		0.0001	
Bromodichloromethane	75-27-4	1,560.	0.418	0.418	ca		0.0112		0.	2.7E-08
Bromoform	75-25-2	1,560.	25.4	25.4	ca		0.015		0.	5.9E-10
Bromomethane	74-83-9	9.6	-	9.6	nc		0.111		0.0116	
Butylbenzene, n-	104-51-8	3,910.	-	108.	Csat		0.0121		0.	
Butylbenzene, sec-	135-98-8	7,820.	-	145.	Csat		0.0132		0.	
Butylbenzene, tert-	98-06-6	7,820.	-	183.	Csat		0.0173		0.	
Chlorobenzene	108-90-7	370.	-	370.	nc		0.0105		0.	
Chloroform	67-66-3	259.	0.454	0.454	ca		0.0108		0.	2.4E-08
Chloromethane	74-87-3	159.	-	159.	nc		0.013		0.0001	
Chlorotoluene, o-	95-49-8	1,560.	-	907.	Csat		0.0133		0.	
Chlorotoluene, p-	106-43-4	1,560.	-	253.	Csat		0.0121		0.	
Cumene	98-82-8	2,530.	-	268.	Csat		0.0114		0.	
Dibromo-3-chloropropane, 1,2-	96-12-8	5.96	0.008	0.008	ca		0.0487	E	0.0082	6.5E-06
Dibromochloromethane	124-48-1	1,560.	8.28	8.28	ca		0.0097		0.	1.2E-09
Dibromomethane (Methylene Bromide)	74-95-3	34.	-	34.	nc		0.0149		0.0004	
Dichlorobenzene, 1,2-	95-50-1	2,350.	-	376.	Csat		0.0152		0.	
Dichlorobenzene, 1,3-	541-73-1	-	-	297.	Csat		0.0154			
Dichlorobenzene, 1,4-	106-46-7	3,810.	3.74	3.74	ca		0.0133		0.	3.6E-09
Dichlorodifluoromethane	75-71-8	126.	-	126.	nc		0.0155		0.0001	
Dichloroethane, 1,1-	75-34-3	15,600.	5.06	5.06	ca		0.012		0.	2.4E-09

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 84	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			2	0.0434	1.1E-05
GP-5 (8-10) - Fagerlin Non-Industrial		Bottom-Line:	<b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>		

Date of Entry: 7/20/2017.  
Date of Worksheet Used: 03/14/2017.

List below only has contaminants with data.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To- Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Dichloropropane, 1,2-	78-87-5	22.6	0.406	0.406	ca		0.0128		0.0006	3.2E-08
Dichloropropane, 1,3-	142-28-9	1,560.	-	1,490.	Csat		0.0099		0.	
Dichloropropane, 2,2-	594-20-7	-	-	191.	Csat		0.0126			
Dichloropropene, cis-1,3-	10061-01-5	-	-	1,210.	Csat		0.0065			
Dichloropropene, trans-1,3-	10061-02-6	-	-	1,510.	Csat		0.0244			
Ethyl Chloride	75-00-3	19,500.	-	2,120.	Csat		0.0301		0.	
Ethyl Ether	60-29-7	15,600.	-	10,100.	Csat		0.0205		0.	
Hexachlorobutadiene	87-68-3	78.2	1.63	1.63	ca		0.0268		0.0003	1.6E-08
Isopropyltoluene, p-	99-87-6	-	-	162.	Csat		0.0113			
Methyl Ethyl Ketone (2-Butanone)	78-93-3	31,100.	-	28,400.	Csat		0.104		0.	
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	47,700.	-	3,360.	Csat		0.0801		0.	
Methylene Chloride	75-09-2	379.	61.8	61.8	ca		0.0192		0.0001	3.1E-10
Propyl benzene	103-65-1	4,490.	-	264.	Csat		0.0138		0.	
Styrene	100-42-5	7,410.	-	867.	Csat		0.0103		0.	
Tetrachloroethane, 1,1,1,2-	630-20-6	2,350.	2.78	2.78	ca		0.0124		0.	4.5E-09
Tetrachloroethane, 1,1,2,2-	79-34-5	1,560.	0.81	0.81	ca		0.0124		0.	1.5E-08
Tetrahydrofuran	109-99-9	23,300.	-	23,300.	nc		0.0996		0.	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	9,640.	-	910.	Csat		0.0149		0.	
Trichlorobenzene, 1,2,3-	87-61-6	62.6	-	62.6	nc		0.0244		0.0004	
Trichlorobenzene, 1,2,4-	120-82-1	80.8	24.	24.	ca		0.0115		0.0001	4.8E-10
Trichloroethane, 1,1,2-	79-00-5	2.16	1.59	1.59	ca		0.0172		0.008	1.1E-08
Trichlorofluoromethane	75-69-4	23,500.	-	1,230.	Csat		0.0436		0.	
Trichloropropane, 1,2,3-	96-18-4	6.94	0.005	0.005	ca		0.0174	E	0.0025	3.4E-06
Methylene Bromide							0.111			
Test2Chem(GRO)	Wis. GRO						2.7			
Dichlorofluoromethane							0.059			
Dichloropropene 1,1							0.013			

NR 720 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			2	0.0397	9.6E-06
HA-1 (0-1) - Fagerlin Non-Industrial		Bottom-Line: <b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>			

Date of Entry: 7/20/2017.

List below only has contaminants with data.

Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	106.	1.6	1.6	ca		0.008		0.0001	5.0E-09
Ethylbenzene	100-41-4	4,080.	8.02	8.02	ca		0.0086		0.	1.1E-09
Toluene	108-88-3	5,240.	-	818.	Csat		0.011		0.	
Xylenes	1330-20-7	818.	-	260.	Csat		0.0343		0.	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	22,100.	63.8	63.8	ca		0.0108		0.	1.7E-10
Dichloroethane, 1,2-	107-06-2	43.7	0.652	0.652	ca		0.0129		0.0003	2.0E-08
Dibromoethane, 1,2-	106-93-4	100.	0.05	0.05	ca		0.0092		0.0001	1.8E-07
Trichloroethylene	79-01-6	5.68	1.3	1.3	ca		0.0139		0.0024	1.1E-08
Tetrachloroethylene	127-18-4	109.	33.	33.	ca		0.0118		0.0001	3.6E-10
Vinyl Chloride	75-01-4	89.2	0.067	0.067	ca		0.0103		0.0001	1.5E-07
Dichloroethylene, 1,1-	75-35-4	320.	-	320.	nc		0.0131		0.	
Dichloroethylene, 1,2-trans-	156-60-5	1,560.	-	1,560.	nc		0.0094		0.	
Dichloroethylene, 1,2-cis-	156-59-2	156.	-	156.	nc		0.0204		0.0001	
Trichloroethane, 1,1,1-	71-55-6	11,500.	-	640.	Csat		0.0112		0.	
Carbon Tetrachloride	56-23-5	131.	0.916	0.916	ca		0.0139		0.0001	1.5E-08
Trimethylbenzene, 1,2,4-	95-63-6	373.	-	219.	Csat		0.0115		0.	
Trimethylbenzene, 1,3,5-	108-67-8	339.	-	182.	Csat		0.0111		0.	
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.0827		0.0005	1.5E-08
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.0026		0.0001	2.3E-08
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		3.80E-04		0.	
Acenaphthylene	208-96-8	-	-	-	-		3.50E-04			
Anthracene	120-12-7	17,900.	-	17,900.	nc		7.60E-04		0.	
Benz[a]anthracene	56-55-3	-	1.14	1.14	ca		0.0026			2.3E-09
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		0.0045			3.9E-09
Benzo[g,h,i]perylene	191-24-2	-	-	-	-		0.0027			
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.0017			1.5E-10
Chrysene	218-01-9	-	115.	115.	ca		0.0041			3.6E-11

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
			2	0.0397	9.6E-06
<div style="border: 1px solid red; padding: 2px; display: inline-block;">HA-1 (0-1) - Fagerlin Non-Industrial</div>		Bottom-Line: <b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>			

Date of Entry: 7/20/2017. List below only has contaminants with data.  
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		5.80E-04			5.0E-09
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		0.0054		0.	
Fluorene	86-73-7	2,390.	-	2,390.	nc		6.50E-04		0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.0019			1.7E-09
Phenanthrene	85-01-8	-	-	-			0.0034			
Pyrene	129-00-0	1,790.	-	1,790.	nc		0.0047		0.	
Acetone	67-64-1	63,400.	-	63,400.	nc		0.257		0.	
Allyl Chloride	107-05-1	2.38	1.04	1.04	ca		0.014		0.0059	1.3E-08
Bromobenzene	108-86-1	342.	-	342.	nc		0.0139		0.	
Bromochloromethane	74-97-5	216.	-	216.	nc		0.011		0.0001	
Bromodichloromethane	75-27-4	1,560.	0.418	0.418	ca		0.0102		0.	2.4E-08
Bromoform	75-25-2	1,560.	25.4	25.4	ca		0.0137		0.	5.4E-10
Bromomethane	74-83-9	9.6	-	9.6	nc		0.101		0.0105	
Butylbenzene, n-	104-51-8	3,910.	-	108.	Csat		0.0108		0.	
Butylbenzene, sec-	135-98-8	7,820.	-	145.	Csat		0.0117		0.	
Butylbenzene, tert-	98-06-6	7,820.	-	183.	Csat		0.0154		0.	
Chlorobenzene	108-90-7	370.	-	370.	nc		0.0093		0.	
Chloroform	67-66-3	259.	0.454	0.454	ca		0.0096		0.	2.1E-08
Chloromethane	74-87-3	159.	-	159.	nc		0.0116		0.0001	
Chlorotoluene, o-	95-49-8	1,560.	-	907.	Csat		0.0118		0.	
Chlorotoluene, p-	106-43-4	1,560.	-	253.	Csat		0.0108		0.	
Cumene	98-82-8	2,530.	-	268.	Csat		0.0104		0.	
Dibromo-3-chloropropane, 1,2-	96-12-8	5.96	0.008	0.008	ca		0.0444	E	0.0074	5.9E-06
Dibromochloromethane	124-48-1	1,560.	8.28	8.28	ca		0.0089		0.	1.1E-09
Dibromomethane (Methylene Bromide)	74-95-3	34.	-	34.	nc		0.0135		0.0004	
Dichlorobenzene, 1,2-	95-50-1	2,350.	-	376.	Csat		0.0139		0.	
Dichlorobenzene, 1,3-	541-73-1	-	-	297.	Csat		0.014			
Dichlorobenzene, 1,4-	106-46-7	3,810.	3.74	3.74	ca		0.0122		0.	3.3E-09
Dichlorodifluoromethane	75-71-8	126.	-	126.	nc		0.0141		0.0001	
Dichloroethane, 1,1-	75-34-3	15,600.	5.06	5.06	ca		0.011		0.	2.2E-09

BRRTS # : Type BRRTS No. Here (If Known)	# of Soil-Concentration Entries: 83	Please do not enter anything in this summary!	Number of Individual Exceedance: 2 (Cumulative) Hazard Index: 0.0397 (Cumulative) Cancer Risk: 9.6E-06
<b>HA-1 (0-1) - Fagerlin Non-Industrial</b>	Bottom-Line: <b>NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.</b>		

Date of Entry: 7/20/2017. List below only has contaminants with data.  
 Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Dichloropropane, 1,2-	78-87-5	22.6	0.406	0.406	ca		0.0117		0.0005	2.9E-08
Dichloropropane, 1,3-	142-28-9	1,560.	-	1,490.	Csat		0.009		0.	
Dichloropropane, 2,2-	594-20-7	-	-	191.	Csat		0.0115			
Dichloropropene, cis-1,3-	10061-01-5	-	-	1,210.	Csat		0.006			
Dichloropropene, trans-1,3-	10061-02-6	-	-	1,510.	Csat		0.0223			
Ethyl Chloride	75-00-3	19,500.	-	2,120.	Csat		0.0274		0.	
Ethyl Ether	60-29-7	15,600.	-	10,100.	Csat		0.0187		0.	
Hexachlorobutadiene	87-68-3	78.2	1.63	1.63	ca		0.0244		0.0003	1.5E-08
Isopropyltoluene, p-	99-87-6	-	-	162.	Csat		0.01			
Methyl Ethyl Ketone (2-Butanone)	78-93-3	31,100.	-	28,400.	Csat		0.0952		0.	
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	47,700.	-	3,360.	Csat		0.073		0.	
Methylene Chloride	75-09-2	379.	61.8	61.8	ca		0.0171		0.	2.8E-10
Propyl benzene	103-65-1	4,490.	-	264.	Csat		0.0123		0.	
Styrene	100-42-5	7,410.	-	867.	Csat		0.0091		0.	
Tetrachloroethane, 1,1,1,2-	630-20-6	2,350.	2.78	2.78	ca		0.011		0.	4.0E-09
Tetrachloroethane, 1,1,1,2-	79-34-5	1,560.	0.81	0.81	ca		0.011		0.	1.4E-08
Tetrahydrofuran	109-99-9	23,300.	-	23,300.	nc		0.0908		0.	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	9,640.	-	910.	Csat		0.0135		0.	
Trichlorobenzene, 1,2,3-	87-61-6	62.6	-	62.6	nc		0.0223		0.0004	
Trichlorobenzene, 1,2,4-	120-82-1	80.8	24.	24.	ca		0.0104		0.0001	4.3E-10
Trichloroethane, 1,1,1,2-	79-00-5	2.16	1.59	1.59	ca		0.0157		0.0073	9.9E-09
Trichlorofluoromethane	75-69-4	23,500.	-	1,230.	Csat		0.0397		0.	
Trichloropropane, 1,2,3-	96-18-4	6.94	0.005	0.005	ca		0.0158	<b>E</b>	0.0023	3.1E-06
Dichlorofluoromethane							0.0544			
Test2Chem(GRO)	Wis. GRO						2.2			
Dichloropropene 1,1							0.012			

**APPENDIX D**

**PROPERTY DEEDS AND PARCEL MAPS**



DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.







**ATTACHMENT 1**

**DUE DILIGENCE ELEMENTS**  
**(Radius Report, Aerial Photos, City Directories)**



Subject Site

[historicalinfo.com](http://historicalinfo.com)

SUPERIOR OIL PLANT f/k/a  
FAGERLIN FUEL  
Superior, WI



**2013**

HIG Project # 1517953

Client Project # 15-0603 Interstate Energy

Approximate Scale 1:6000 (1"=500')





[historicalinfo.com](http://historicalinfo.com)

SUPERIOR OIL PLANT f/k/a  
FAGERLIN FUEL  
Superior, WI



**2010**

HIG Project # 1517953

Client Project # 15-0603 Interstate Energy

Approximate Scale 1:6000 (1"=500')





[historicalinfo.com](http://historicalinfo.com)

SUPERIOR OIL PLANT f/k/a  
FAGERLIN FUEL  
Superior, WI



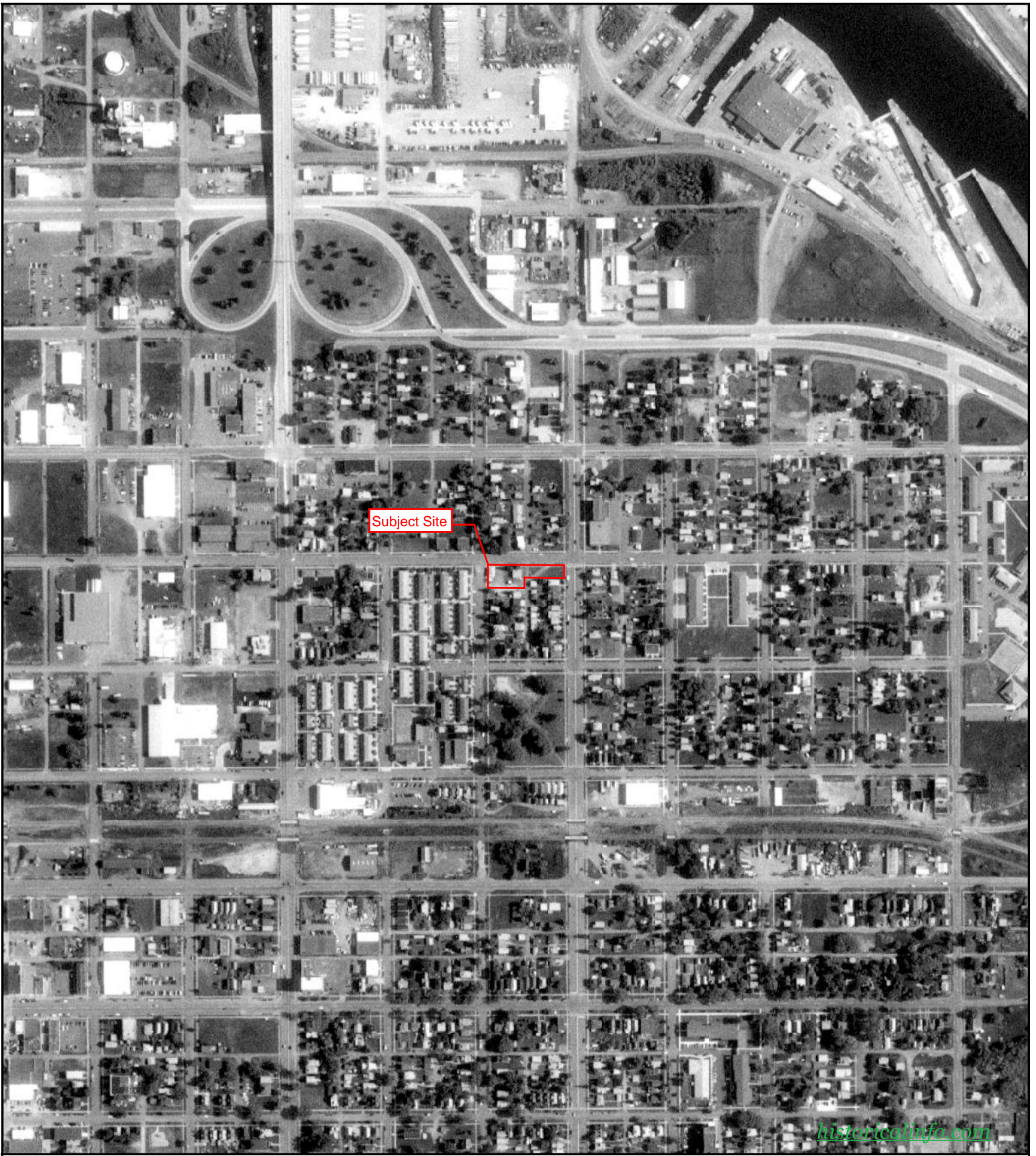
**2005**

HIG Project # 1517953

Client Project # 15-0603 Interstate Energy

Approximate Scale 1:6000 (1"=500')





SUPERIOR OIL PLANT f/k/a  
FAGERLIN FUEL  
Superior, WI



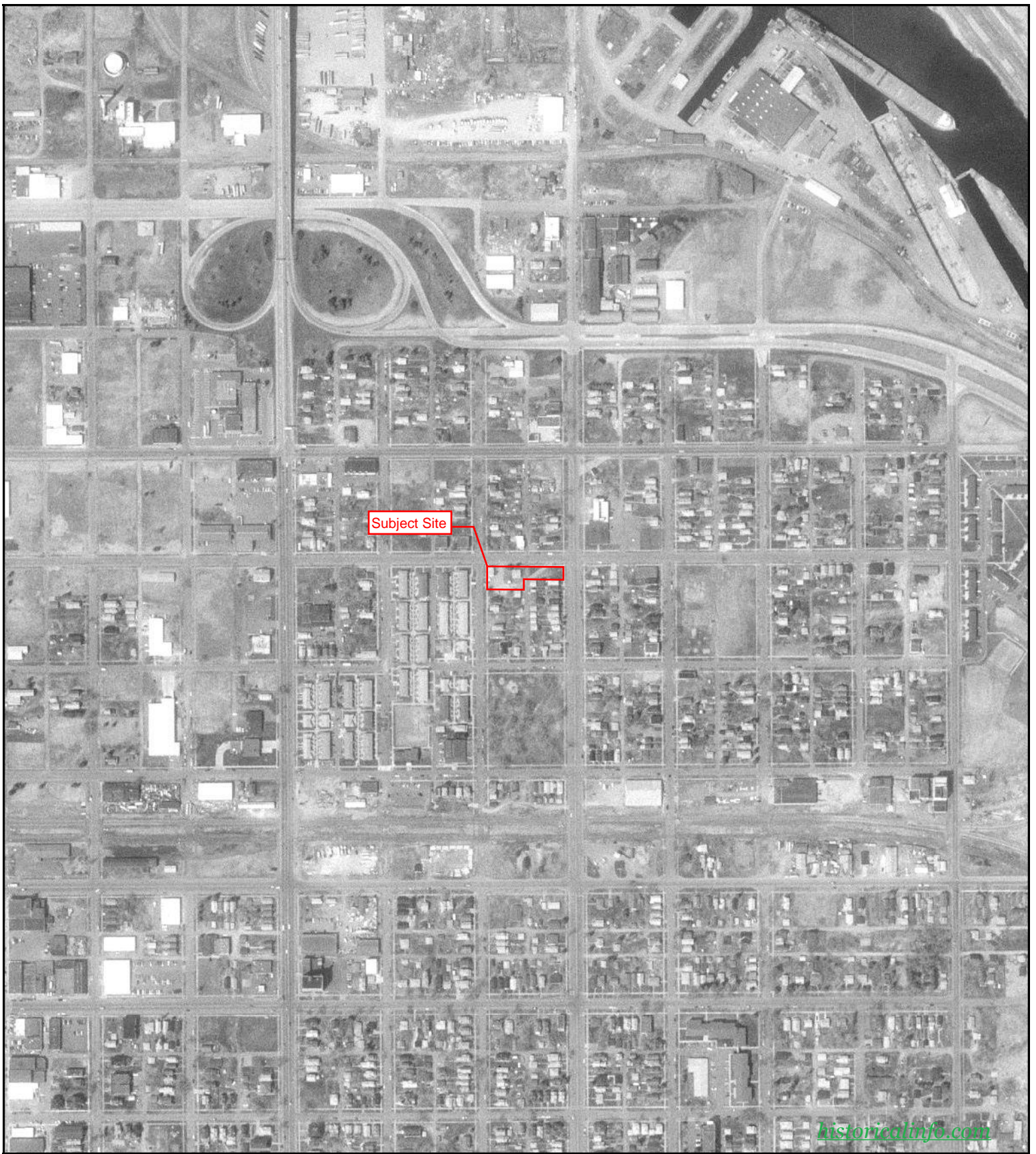
**1998**

HIG Project # 1517953

Client Project # 15-0603 Interstate Energy

Approximate Scale 1:6000 (1"=500')





Subject Site

[historicalinfo.com](http://historicalinfo.com)

SUPERIOR OIL PLANT f/k/a  
FAGERLIN FUEL  
Superior, WI



**1992**

HIG Project # 1517953

Client Project # 15-0603 Interstate Energy

Approximate Scale 1:6000 (1"=500')







SUPERIOR OIL PLANT f/k/a  
FAGERLIN FUEL  
Superior, WI



**1981**

HIG Project # 1517953

Client Project # 15-0603 Interstate Energy

Approximate Scale 1:6000 (1"=500')





[historicalinfo.com](http://historicalinfo.com)

SUPERIOR OIL PLANT f/k/a  
FAGERLIN FUEL  
Superior, WI



**1980**

HIG Project # 1517953

Client Project # 15-0603 Interstate Energy

Approximate Scale 1:6000 (1"=500')





SUPERIOR OIL PLANT f/k/a  
FAGERLIN FUEL  
Superior, WI



**1975**

HIG Project # 1517953

Client Project # 15-0603 Interstate Energy

Approximate Scale 1:6000 (1"=500')





[historicalinfo.com](http://historicalinfo.com)

SUPERIOR OIL PLANT f/k/a  
FAGERLIN FUEL  
Superior, WI



**1972**

HIG Project # 1517953

Client Project # 15-0603 Interstate Energy

Approximate Scale 1:6000 (1"=500')





Subject Site

[historicalinfo.com](http://historicalinfo.com)

SUPERIOR OIL PLANT f/k/a  
FAGERLIN FUEL  
Superior, WI



**1966**

HIG Project # 1517953

Client Project # 15-0603 Interstate Energy

Approximate Scale 1:6000 (1"=500')





[historicalinfo.com](http://historicalinfo.com)

SUPERIOR OIL PLANT f/k/a  
FAGERLIN FUEL  
Superior, WI



**1961**

HIG Project # 1517953

Client Project # 15-0603 Interstate Energy

Approximate Scale 1:6000 (1"=500')





SUPERIOR OIL PLANT f/k/a  
FAGERLIN FUEL  
Superior, WI



**1958**

HIG Project # 1517953

Client Project # 15-0603 Interstate Energy

Approximate Scale 1:6000 (1"=500')





Subject Site

[historicalinfo.com](http://historicalinfo.com)

SUPERIOR OIL PLANT f/k/a  
FAGERLIN FUEL  
Superior, WI



**1951**

HIG Project # 1517953

Client Project # 15-0603 Interstate Energy

Approximate Scale 1:6000 (1"=500')







Subject Site

[historicalinfo.com](http://historicalinfo.com)

SUPERIOR OIL PLANT f/k/a  
FAGERLIN FUEL  
Superior, WI



**1938**

HIG Project # 1517953

Client Project # 15-0603 Interstate Energy

Approximate Scale 1:6000 (1"=500')



E 6TH ST Cont'd

3819 Warren Travis C & Leanne M ✓ [11]▲ (1941)
3820 Hall Patricia
Ross David C ✓ [6]▲ (1941) .....715-718-0304
3902 Heytens Edward J & Doreen L ✓ [14]▲ (1941)
+ 39TH AVE E INTERSECTS
+ 54TH AVE E INTERSECTS
+ RAILROAD CROSSES
+ 54TH AVE E ENDS
+ RAILROAD CROSSES
BUSINESSES 4 HOUSEHOLDS 253

N 6TH ST (SUPERIOR)

+ CATLIN AVE CONTINUES
• ZIP CODE 54880 CAR-RT C008
701 Pineda Jim ✓ [4]
718 Anderson Ian M ✓ [4]
Anderson Sheryl
718 1/2 Miller Sabine ✓ [20]
722 Shykes Lorna A ✓ [5]
722 1/2 Fleming Kevin Jr [4]
724 Koivisto Karen ✓ [2]
+ FISHER AVE INTERSECTS
802 Shubert Erika ✓ @ .....715-392-1507
Shubert Hailea .....715-392-1507
806 No Current Listing
808 Kasper Kenneth M ✓ [11]▲ (1939) .....715-392-7751
810 Clarke David J ✓ @
Clarke Henry
812 No Current Listing
+ CLOUGH AVE INTERSECTS
+ WEEKS AVE INTERSECTS
1004 NWCSA-SOLID ROCK non-profit org ✓ @
.....715-392-6264

+ GRAND AVE INTERSECTS

Roe Terry L [5]
1113 Beck Shirley L ✓ [24]▲ (1971) .....715-392-1871
Beck Paul J Jr .....715-392-1871
1113 1/2 Anderson Douglas E & Kathleen M ✓ [29]
.....715-392-2763

1124 Krivinchuk Richard ✓

Krivinchuk Michael R
+ BAXTER AVE INTERSECTS
• ZIP CODE 54880 CAR-RT C007
1201 Shaw Alfrieda ✓ @
Shaw Ronald
1203 Niemi Justice ✓
Woodhal Angela M [2]
1209 1/2 No Current Listing
1211 1/2 Anderson Michael S ✓ [14]▲ (1971)
+ ROOSEVELT AVE INTERSECTS
+ CUMMING AVE INTERSECTS
1303 Peterson George J Jr ✓ [43]▲ (1971) ..715-394-7348
1310 Suksi Taylor
Xiong Christal G [4]

1312 - 1317 No Current Listing (3 Hses)

+ HAMMOND AVE INTERSECTS
+ HUGHITT AVE INTERSECTS
• ZIP CODE 54880 CAR-RT C008
1606 NORTHWEST BEVERAGES beer & ale-whol ✓ @
.....715-392-2978
1607 BIMBO BAKERIES USA bread/other bakery prod ✓
@ .....715-395-5661

+ OGDEN AVE INTERSECTS

1701 LAKE SUPERIOR LAUNDRY laundries ✓ @
.....715-394-5565
+ TOWER AVE INTERSECTS
1823 - 1825 No Current Listing (2 Hses)
1901 SIMKO recycling centers ✓ @ .....715-394-2705
+ BANKS AVE INTERSECTS
BUSINESSES 5 HOUSEHOLDS 28

7TH AVE E (MINONG)-FROM 799 STIGNEY ST WEST

• ZIP CODE 54859 CAR-RT R002
112 Ronningen Scott A ✓ [4]▲ (1980)
Ronningen Roy
ROY'S SEALCOATING asphalt & asphalt products ✓
@ .....715-466-4884
113 Burch David E ✓▲ (1980)
Burch Teri
117 Fosgate Kenneth R ✓ [29]▲ (1972) .....715-466-4872
118 Harenza Mike ✓ [10]▲ (1980)
+ STIGNEY ST ENDS
120 Sutherland Harold F ✓ [18]▲ (1972) .....715-466-2294
+ OLD 53 RD BEGINS
BUSINESSES 1 HOUSEHOLDS 5

7TH AVE E (SUPERIOR)-FROM 699 E 5TH ST

SOUTHWEST
+ E 2ND ST CONTINUES
+ E 3RD ST INTERSECTS
• ZIP CODE 54880 CAR-RT C015
305 Franzen Arne S & Arlene J ✓ [31]▲ (1946)
+ E 4TH ST INTERSECTS
414 Amundson Lavonne M [17]▲ (1946)
+ E 5TH ST INTERSECTS
513 Anderson William C ✓ [15]▲ (1939) .....715-395-8313
606 Esterholm Mary R ✓▲ (1939)
Gall Susan T ✓ [10]▲ (1939)
+ E 6TH ST INTERSECTS

7TH AVE E Cont'd

+ E 7TH ST INTERSECTS
703 Dummer A ✓ [9] .....715-392-1291
705 Dahlin Kathryn M ✓ [33]▲ (1939)
Dahlin Christopher C
706 Larsen Christopher A ✓ [15]▲ (1939) ....715-395-9289
Larsen Leslie L .....715-395-9289
723 Mannetter Drew A & Sara W @ [3]▲ (1939)
+ E 8TH ST INTERSECTS
801 Schnell Ryan T & Amanda F [7]▲ (1939)
816 Johnson Marianne R [27]▲ (1939)
Johnson Kyle P
817 Johnson Rudolph W ✓ [20]▲ (1939) .....715-392-5698
820 Flynn William R & Elizabeth M ✓ [29]▲ (1939)
823 Hubbard Russell S & Kathleen S [4]▲ (1939)
+ E 9TH ST BEGINS
+ MAPLE AVE INTERSECTS
HOUSEHOLDS 14

7TH AVE N (DANBURY)-FROM 7762 MAIN ST NORTH

• ZIP CODE 54830 CAR-RT H074
30271 No Current Listing
30290 Koenen Ginger L ✓ @ [13]▲ (1976) ....715-656-3372
30315 Hills Lillian I ✓ [24]▲ (1976) .....715-656-3532
Hills Lola .....715-656-3532
30329 Helin Lassie I [2]▲ (1976)
30341 Phelps Edwin L ✓ [25]▲ (1976) .....715-656-3723
+ OAK ST INTERSECTS
HOUSEHOLDS 5

7TH AVE W (MINONG)-FROM 699 2ND ST WEST

+ 7TH AVE E ENDS
+ OLD 53 RD BEGINS
+ 2ND ST INTERSECTS
• ZIP CODE 54859 CAR-RT R002
201 Huntuowski Brian J @ [10]▲ (1973)
204 No Current Listing ✓
209 Berg Kristina [2]
215 Jurasz Kenneth M ✓ [13]▲ (1973)
+ X ST INTERSECTS
+ PINE ST INTERSECTS
330 Rykal Thomas D & Roxanne C ✓ [36]▲ (1972)
.....715-466-2347
331 Ruud Brian W & Julie A ✓ @ [22]▲ (1972)
343 Denninger Doris E [21]▲ (1973)
348 BARRY COONS ELECTRIC INC electric contractors ✓
.....715-466-4288

BUSINESSES 1

HOUSEHOLDS 7

7TH PL (DANBURY)

• ZIP CODE 54830 CAR-RT H071
30714 Coveau Troy A ✓ @ [10]▲ (1976)
Coveau Sara E
30722 Miller William G & Lori ✓ @ [12]▲ (1976)
30727 Sirek Emmett [5]▲ (1976)
30756 Peyton Bruce W [5]▲ (1976)
30793 Mitchell Mari J ✓▲ (1976)
Unger Philip S ✓▲ (1976) .....715-656-7913
HOUSEHOLDS 6

E 7TH ST (SUPERIOR)

• ZIP CODE 54880 CAR-RT C011
63 No Current Listing
67 Erickson Carl I ✓ [52]▲ (1939) .....715-394-6031
69 Androski Susan R & Bruce R ✓ [19]▲ (1939)
.....715-392-3322
103 Prettie Jean C & James A ✓ @ [22]▲ (1939)
104 1 Langjahr Steven A ✓ @
106 Brasch Denise M [13]▲ (1939)
107 No Current Listing
108 Maamoun Ahmed F ✓ [8]▲ (1939) .....715-718-0646
Maamoun Rawia .....715-718-0646
110 Hofstedt Lyle F & Barbara B @ [27]▲ (1939)
201 Lockett Larry R & Carolyn J ✓ [12]▲ (1939)
.....715-399-2746
202 Fedyn Anthony J Jr & Elna M ✓ [21]▲ (1939)
.....715-392-2396
206 Alanko Gai L ✓
Bothwell Penelope ✓
207 Greenberg David R ✓
Lugenbeel Karl ✓
Thiry Amber ✓
209 Bouche Iwen J ✓ [2]
.....715-392-3388
Iwen Jayson [3]
Iwen Jovana B
211 Whereatt Amber M ✓
302 Daigle Daniel C ✓ [4]
Johnsen William M Jr & Denise M ✓ [16]▲ (1939)
.....715-395-9248
303 Smith Kristina [2]
304 Koskie Grant R & Kim A ✓ @ [20]▲ (1939)
305 Brown James A ✓ [17]▲ (1939)
306 Magdzas Douglas J & Darla M ✓ [24]▲ (1939)
308 Pezzee Mary L & Ronald ✓ [28]▲ (1939)
309 Moxley Linda B ✓ [7]▲ (1939) .....715-395-0046
310 No Current Listing
311 Hofacre Steven J ✓ [31]▲ (1939) .....715-394-3803
312 Burger Craig S [11]▲ (1939)
Burger Alisha N
320 Ferg Adam D ✓▲ (1939)
Ferg Martine
• ZIP CODE 54880 CAR-RT C015

E 7TH ST Cont'd

401 Janicki Thomas S & Nancy S ✓ [12]▲ (1939)
.....715-398-6993
403 Raddatz Jason A ✓ [4]▲ (1939)
Raddatz Leisza
405 Lurndal Michael J & Colleen R ✓ [28]▲ (1939)
407 Cross Alice K ✓ [21]▲ (1939)
Cross Ella M
503 Olson Stephen J & Nicole L ✓ [9]▲ (1939)
505 Jubenville James C & Jennifer M ✓ [11]▲ (1939)
507 Hanson Henry J ✓▲ (1939)
509 Newman Helen ✓ .....715-392-3693
A Overfors Christa [6]
C Schwartz Grant J
+ N 6TH ST CONTINUES
602 Novack Ann M ✓ [33]▲ (1939)
603 Anderson William P & Karen L ✓ [39]▲ (1939)
604 Luzaich Max N & Maxine M ✓ [22]▲ (1939)
.....715-394-7590
605 Anderson William P ✓▲ (1939)
607 Anderson Edward M & Dawn M ✓ @ [23]▲ (1939)
608 Haitt Mike [5]
608 1/2 Home Kim L ✓
Rudolph Adrienne L ✓
Xiong Vang ✓
609 Dubois Robert B & Linda L ✓ [17]▲ (1939)
.....715-394-3192
610 1/2 No Current Listing
+ 7TH AVE E INTERSECTS
701 Anderson Jeffrey C & Jill E ✓ [20]▲ (1939)
.....715-392-5789
703 Kirchoff Christophe R & Amy J ✓ [17]▲ (1939)
704 Mickelson Taylor ✓
Moden Stephen ✓▲ (1939)
705 Olson Rachael ✓ [10]
706 Johnson Joanne M ✓ [34]▲ (1939)
707 Mattson Gregory L & Sandra L ✓ [23]▲ (1939)
708 Hill Scott J & Gloria H ✓ [21]▲ (1939)
709 Bjorklund Allan M ✓ [6]▲ (1939)
710 Fitch Randy T & Christine M ✓ [27]▲ (1939)
.....715-394-9446
+ 8TH AVE E INTERSECTS
802 Cristash Jeanne ✓ [4] .....715-392-1736
Mickelson Paul ✓
Wray Julie M ✓ [4]
2 Jordan Colleen ✓ [2]
4 Six Sarah ✓ .....715-392-0690
5 Benes Steven J & Elizabeth A [3]
803 Wilson Jamie L ✓ [12]▲ (1939)
Wilson Nicole M
805 McClellan Amy M ✓ [3]▲ (1939)
806 Heide Jill E ✓ @▲ (1939)
807 Cockerham Nathan M ✓ [5]▲ (1939)
Cockerham Brian A
808 Anderson Jay A & Sara E ✓ [6]▲ (1939)
809 Minter Jesse H ✓ [2]▲ (1939)
Minter Stacey
810 Gustafson Chad N & Amy J ✓ [9]▲ (1939)
+ 9TH AVE E INTERSECTS
903 Dahlberg Stanley K & Claudia A ✓ [10]▲ (1939)
.....715-392-3430
904 Sweeney Patti J & Thomas F ✓ [3]▲ (1939)
.....715-394-4199
906 No Current Listing
910 Fitzgerald Scott D & Candace J ✓ [27]▲ (1939)
+ 10TH AVE E INTERSECTS
+ RAILROAD CROSSES
+ 11TH AVE E INTERSECTS
1101 Bergquist Brian R ✓ [6]▲ (1939)
1103 Lanctot Richard J ✓ [34]▲ (1939)
MAGNUS DISTRIBUTING distribution serv @
.....715-399-2101
1104 Hanchett Mary K ✓ [23]▲ (1939) .....715-392-7276
Hanchett Margaret K .....715-392-7276
1105 No Current Listing
1107 Cooper John W Sr ✓ @ [4]▲ (1939)
Cooper Laurie E
1109 Carroll Tammie L & James T ✓ [7]▲ (1939)
1111 Rasmussen Rachel A [10]▲ (1939)
+ 12TH AVE E INTERSECTS
• ZIP CODE 54880 CAR-RT C030
1222 Eibon David J & Barb J ✓ [12]▲ (1973)
.....715-398-0905
McPherson Jane L ✓ [3]
1226 Elowson William J ✓ [7]▲ (1973)
1232 Manion Marcia A ✓ [23]▲ (1973)
Olson Darlene M ✓ [20]▲ (1973) .....715-398-5323
+ 13TH AVE E INTERSECTS
1302 Simons Donald C & Sarah L ✓ [18]▲ (1973)
.....715-398-0256
1309 Martineau Dennis D ✓ [35]▲ (1973) .....715-398-5854
1310 Cochrane Dennis O & Karen L ✓ [35]▲ (1973)
.....715-398-5584
1314 Lilmatta Joanne M ✓ @ [5]▲ (1973)
1315 Schmidt David F ✓ @ [2]▲ (1973)
Smith David ✓ .....715-392-0880
1318 Westman Jack A & Amy L ✓ [16]▲ (1973)
1321 Craig John T ✓ [46]▲ (1973)
Craig Thos J
1326 Van Driessche C ✓ [15]
1326 1/2 Pooler Danielle F ✓

NEW NEIGHBOR

E 6TH ST Cont'd
2110 Perrin Janet A & Joel A [7] ▲ .....715-392-2712
2113 No Current Listing
2114 Dahlgren Stephen J [5] ▲
Dahlgren Erin
2117 Fladmark-Hunt Bari F [10] ▲ .....715-394-3904
2118 Eisenmann Sarah R [9] ▲ .....715-398-7037
2120 [8] Ollanketo Mindy J
2122 Khalar Daniel [3]
2123 No Current Listing
2125 [8] Larson Paul A .....715-392-0681
2128 Urevig Jill M [2] ▲
2130 No Current Listing
+ 22ND AVE E INTERSECTS
2206 [8] Minor James T .....715-718-0520
2211 Garrity Jacquelyn K [2] ▲
Garrity Lisa
2213 Lindquist Lorains F [17] ▲ .....715-398-6501
2214 Plained Melvin K & Anna M [48] ▲ .....715-398-3403
2220 [8] Rounsiville Meghan .....715-392-0422
Rounsiville Mervin L .....715-392-0422
+ 23RD AVE E INTERSECTS
2309 Mackey Daniel L & Kelly H [18] ▲ .....715-398-3575
2315 Mattson Melvin M [5] ▲ .....715-398-5821
Mattson Alice .....715-398-5821
2317 Blotham Carol J [40] ▲
Blotham Jeanie R
2321 Regeski Sharon S [32] ▲ .....715-398-5456
2327 Garramone Gerald A & Jolene C [21] ▲ .....715-398-6454
2331 No Current Listing
+ 24TH AVE E INTERSECTS
• ZIP CODE 54880 CAR-RT C034
2402 Vendela Rebecca L [8] ▲
2403 1/2 Golden Peter V [20] ▲ .....715-398-5404
2407 Anderson Zene N [17] ▲ .....715-398-7306
Anderson Kayla .....715-398-7306
2408 Nykanen Thomas J & Mary L [15] ▲
2414 Christopherson Frank W Jr [31] ▲ .....715-398-3598
2417 Trimlin Evelyn A & Mervin V [19] ▲ .....715-398-7172
2418 Broadwell Jay L & Catherine [17] ▲ .....715-398-3122
2419 - 2420 No Current Listing (2 Hses)
2421 Rice Wava E [15] .....715-398-3317
2423 Van Damme W D [2] .....715-392-6990
2425 [8] Larson Tia .....715-392-3187
2427 Peterson Harold L Jr [12] .....715-394-9852
2429 [8] Wells W .....715-399-0777
2431 Anderson Carl W & Liz M [7] ▲ .....715-394-9214
2433 No Current Listing
+ RAILROAD CROSSES
+ 25TH AVE E ENDS
2520 Messengill Brad J & Jennifer D [24] ▲ .....715-398-6905
2528 Gandt Julie A [12] ▲ .....715-398-3315
2532 No Current Listing
+ 26TH AVE E INTERSECTS
2606 Tucker Joseph [48] ▲ .....715-398-3989
Tucker Patricia L .....715-398-3989
2608 Thompson Robert J [21] ▲ .....715-398-5970
Thompson Ethan .....715-398-5970
2614 Mattson Melvin R [26] ▲ .....715-398-7303
Mattson Melvin M .....715-398-7303
2617 Thompson Brad J & Jill M [15] ▲ .....715-398-3808
THOMPSON TAXIDERMISTRY taxidermists .....715-398-3808
2620 Aho Lorraine H [23] ▲ .....715-398-3228
2623 Lepage Bruce E [2] .....715-392-3446
[8] Thompson Bradley J
2626 No Current Listing
2630 Erickson Stephen B & Barbara A [37] ▲ .....715-398-6521
2631 Nolan Michael J & Jeanne R [26] ▲
+ 27TH AVE E INTERSECTS
2701 No Current Listing
2702 Hunter Barry A Jr [2] ▲
[8] Lieble Christine
[8] Zimski Daniel C
2703 Lambus Barbara D [14] ▲ .....715-398-8704
2706 Downing Shane Y & Sara E [6] ▲ .....715-398-3020
2707 Johnson Thomas E & Susan C [21] ▲ .....715-398-3303
2715 Hanson Eleanor F [32] ▲ .....715-398-5337
2716 Broberg John M Sr & Sue K [26] ▲ .....715-398-3972
2720 Hoffman Kenneth B [19] ▲ .....715-398-7384
Hoffman Donna L .....715-398-7384
2721 Meyers David G [47] ▲ .....715-394-6181
Meyers Raymond B .....715-394-6181
2724 Fenhouse Michael [10] ▲ .....715-398-8784
Fenhouse Merlin .....715-398-8784
2725 Field Patrick M [10] ▲ .....715-398-0691
2731 Peterson Paul [4] .....715-392-4638
+ 28TH AVE E INTERSECTS
2803 No Current Listing
2806 Cismoski Nancy J [19] ▲
Cismoski Joanie
2809 Hanson Jennifer [4] .....715-398-0186
2816 Keller Bradley H [7] ▲
2817 Detarr Dennis G & Laurie J [5] ▲ .....715-398-7087
2822 Buck Randy J [13] ▲ .....715-398-7603
TWIN PORTS EXTERIOR nonclassified establishments .....715-398-7678
2825 Hanson William C & Lois J [2]
2828 [8] Cockerham William L

E 6TH ST Cont'd
[8] Haas Tara L
2831 Spence Julie G [4]
+ 29TH AVE E INTERSECTS
2908 [8] Conlan Ryan D ▲
Conlan Michele K
2909 Erickson Richard C & Nancy K [14] ▲ .....715-398-3414
2916 Heidemann Lucille R [24] ▲ .....715-398-3923
2917 Moe Peter J [15] ▲
Moe Jane R
2923 No Current Listing
2924 Maryanovich Walter L Jr [30] ▲
2926 Christensen Kathleen A & Edward J [7] ▲ .....715-398-3760
2931 Nelson Ronald O & Sally L [27] ▲
+ 30TH AVE E BEGINS
3010 Nelson Lugarda S & Orpheus [16] ▲ .....715-398-6393
3015 Smith Marcella I [22] ▲ .....715-398-6404
Smith Kenneth J .....715-398-6404
3016 Ostazeski David F Jr [26] ▲ .....715-398-5684
3021 Farmakes William J & Carol D [30] ▲ .....715-398-5795
3028 No Current Listing
+ RAILROAD CROSSES
+ 31ST AVE E INTERSECTS
3614 Gunderson Leslyn K [13] ▲ .....715-398-6414
3622 No Current Listing
3625 Selbrede Byron G & Delores E [5] ▲ .....715-399-8166
3704 Karl Jill [8] ▲
Karl Matthew A
3710 White Thomas E & Kathleen M [9] ▲ .....715-392-1665
3712 [8] Pallas David W
3715 No Current Listing
3718 Johnson Judy M [14] ▲ .....715-398-3125
3722 Moder Bruce P & Cheryl A [22] ▲ .....715-398-7447
3723 Wilandeer Barbara A [16] ▲ .....715-392-8711
3725 Somerville Richard J & Carol A [12] ▲ .....715-394-5305
3732 Larson David V [12] ▲
Larson Robert D
3810 Laski Gary L [29] ▲ .....715-398-7456
3811 Thimm Kenneth A & Karen R [2] ▲
3816 Rufer Fritz A & Jean M [19] ▲ .....715-398-6231
3819 Warren Travis C & Leanne [6] ▲ .....715-398-3446
3820 [8] Ross David C & Peggy ▲ .....715-718-0304
3902 Heytens Edward J [9] ▲
+ 39TH AVE E INTERSECTS
+ 54TH AVE E INTERSECTS
+ 54TH AVE E CONTINUES
+ RAILROAD CROSSES
+ 54TH AVE E ENDS
+ RAILROAD CROSSES
BUSINESSES 3 HOUSEHOLDS 237
N 6TH ST (SUPERIOR)
+ CASTLIN AVE CONTINUES
• ZIP CODE 54880 CAR-RT C008
701 Prigge Debora A [23] ▲ .....715-392-7602
718 Gockowski Phillip [9] .....715-395-0452
722 [8] Dodrill Lina .....715-718-0199
[8] Shykes Torna A
[8] Williams April
724 No Current Listing
+ FISHER AVE INTERSECTS
802 [8] Leimenstoll C .....715-718-0374
806 No Current Listing
808 Kasper Kenneth M [6] .....715-392-7751
810 [8] Wall David .....715-392-1235
812 No Current Listing
+ CLOUGH AVE INTERSECTS
+ WEEKS AVE INTERSECTS
1004 [8] Roe Terry L
SOLID ROCK SAFE HAVEN missions .....715-392-6264
[8] Weber Melvin M
+ GRAND AVE INTERSECTS
1113 Beck Shirley L [48] .....715-392-1871
Beck Paul J Jr .....715-392-1871
1113 1/2 Anderson Douglas E [24] .....715-392-2763
1124 ADVANTAGE LAWNSCAPING SVC landscape contractors .....715-399-2754
FAGERLIN FUEL INC oils-fuel .....715-394-5561
+ BAXTER AVE INTERSECTS
• ZIP CODE 54880 CAR-RT C007
1201 Defoe Michael J [2] .....715-398-7549
1203 [8] Vosika Nikole
1203 1/2 McGrew Patrick E [4]
McGrew William S
1209 1/2 Webster Lindwood [10] ▲ .....715-395-9503
1211 Quam Joan R [2] ▲
1211 1/2 Anderson Michael S [7] ▲
+ ROOSEVELT AVE INTERSECTS
+ CUMMING AVE INTERSECTS
1303 Peterson George J Jr [38] ▲ .....715-394-7348
1310 - 1317 No Current Listing (4 Hses)
+ HAMMOND AVE INTERSECTS
+ HUGHITT AVE INTERSECTS
• ZIP CODE 54880 CAR-RT C008
1606 NORTHWEST BEVERAGES INC beer & ale-whol .....715-392-2978
1607 SARA LEE BAKERY GROUP bakers-whol .....715-395-5661
+ OGDEN AVE INTERSECTS

N 6TH ST Cont'd
1701 LAKE SUPERIOR LAUNDRY laundries-self serv .....715-394-8626
+ TOWER AVE INTERSECTS
1823 No Current Listing
1825 Penney John F [18] ▲ .....715-394-5175
1901 SIMKO SUPERIOR LTD recycling centers .....715-394-2705
+ BANKS AVE INTERSECTS
BUSINESSES 7 HOUSEHOLDS 28
7TH AVE E (MINONG)-FROM 799 STIGNEY ST WEST
• ZIP CODE 54859 CAR-RT R002
112 Hailey Wanda L & Richard E [11] ▲ .....715-466-2179
113 [8] Conaway Todd E
117 Fosgate Kenneth R [25] ▲ .....715-466-4872
118 No Current Listing
+ STIGNEY ST ENDS
120 Sutherland Harold F & Susan A [14] ▲ .....715-466-5567
+ OLD 53 RD BEGINS
HOUSEHOLDS 5
7TH AVE E (SUPERIOR)-FROM 699 E 5TH ST SOUTHWEST
+ E 2ND ST CONTINUES
+ E 3RD ST INTERSECTS
• ZIP CODE 54880 CAR-RT C015
305 Franzen Ame S [28] ▲ .....715-392-7755
+ E 4TH ST INTERSECTS
+ E 4TH ST CONTINUES
414 Hockin George E Jr [14] ▲
Hockin Lavonne
+ E 5TH ST INTERSECTS
513 Anderson William C [10] ▲ .....715-395-8313
606 Pfeffer Darrel W [23] ▲ .....715-392-5854
+ E 6TH ST INTERSECTS
+ E 6TH ST CONTINUES
+ E 7TH ST INTERSECTS
703 Dummer A [4] .....715-392-1291
705 Dahlin Kathryn M [25] ▲ .....715-394-7206
Dahlin Chris .....715-394-7206
706 Larsen Christopher A [10] ▲ .....715-395-9289
723 No Current Listing
+ E 8TH ST INTERSECTS
801 Schnell Ryan T & Amanda [2] ▲ .....715-398-7460
816 Johnson Mitchell A & Marianne R [23] ▲
817 Johnson Rudolph W & Doris E [15] ▲ .....715-392-5698
820 Flynn William R & Elizabeth M [24] ▲ .....715-392-2961
823 Verberkmoes Chad [4] ▲
Verberkmoes Liss
+ E 9TH ST BEGINS
+ MAPLE AVE INTERSECTS
HOUSEHOLDS 13
7TH AVE N (DANBURY)-FROM 7762 MAIN ST NORTH
• ZIP CODE 54830 CAR-RT H074
30290 Koenen Ginger L [8] ▲ .....715-656-3143
30315 Hills Lillian I [19] ▲ .....715-656-3532
Hills Iola .....715-656-3532
30329 Montpetit Susan D & Vincent A [6] ▲ .....715-656-3274
30341 Phelps Edwin L & Carol J [20] ▲ .....715-656-3723
+ OAK ST INTERSECTS
HOUSEHOLDS 4
7TH AVE W (MINONG)-FROM 699 2ND ST WEST
+ 7TH AVE E ENDS
+ OLD 53 RD BEGINS
+ 2ND ST INTERSECTS
• ZIP CODE 54859 CAR-RT R002
204 No Current Listing
209 [8] McShane Kay J
215 Jurasz Kenneth M [6] ▲
+ X ST INTERSECTS
+ PINE ST INTERSECTS
330 Rykal Thomas D & Roxanne C [32] ▲ .....715-466-2347
331 Ruud Brian W & Julie A [18] ▲ .....715-466-5289
343 Denninger Wilfred J & Doris E [16] ▲ .....715-466-4255
344 Tolene Shawn E [2]
Tolene Heidi
348 BARRY COONS ELECTRIC INC electric contractors .....715-466-4288
BUSINESSES 1 HOUSEHOLDS 7
7TH PL (DANBURY)
• ZIP CODE 54830 CAR-RT H071
30714 No Current Listing
30722 Miller William G & Lori [7] ▲ .....715-656-3121
30727 No Current Listing
30793 NORTHERN WATERS REALTY real estate .....715-656-4545
BUSINESSES 1 HOUSEHOLDS 3
E 7TH ST (SUPERIOR)
• ZIP CODE 54880 CAR-RT C011
63 No Current Listing
67 Erickson Patricia E [47] ▲ .....715-394-6031
Erickson Carl I .....715-394-6031
69 Androski Bruce R & Susan R [14] ▲ .....715-392-3322
103 Prettie Jean C & James A [17] ▲ .....715-392-8593
104 Brokke Clarence A & Jeanne M [47] .....715-394-3021
106 Smith Wayne C [3] ▲
Smith Denise M

STREET GUIDE

N 6TH ST Cont'd

+ GRAND AVE INTERSECTS

- 1113 Beck Paul J Jr [20] .....715-392-1871
Beck Shirley L .....715-392-1871
1113 1/2 Anderson Douglas E [19] .....715-392-2763
1124 FAGERLIN FUEL INC oils-fuel .....715-394-5561
+ BAXTER AVE INTERSECTS
• ZIP CODE 54880 CAR-RT C007
1201 White Brandee A [2] .....715-398-7657
1/2 No Current Listing
1201 1/2 Gradine Gena L [5] .....715-395-0436
1203 Olson Rickey L [6]▲
Olson Jill D
1/2 No Current Listing
1209 Martineau Perry [3] .....715-399-2528
Martineau Francis .....715-399-2528
1/2 No Current Listing
1209 1/2 Webster Linwood [5] .....715-395-9503
1211 Anderson Michael S [2] .....715-398-5284

+ CUMMING AVE INTERSECTS

- 1303 Peterson George J [20]▲ .....715-394-7348
Peterson Elanore .....715-394-7348
1310 Mehtala Scott R [2] .....715-395-0466
1312 Chambers Teresa R [3] .....715-399-8798
1315 - 1317 No Current Listing (2 Hses)

+ HAMMOND AVE INTERSECTS

+ HUGHITT AVE INTERSECTS

+ JOHN AVE INTERSECTS

• ZIP CODE 54880 CAR-RT C008

- 1606 NORTHWEST BEVERAGES INC beer & ale-whol .....715-392-2978

+ OGDEN AVE INTERSECTS

- 1701 LAKE SUPERIOR LAUNDRY laundries .....715-394-8626

+ TOWER AVE INTERSECTS

- 1823 Collins Christina A [7]▲ .....715-395-7986
1825 Penney John F [13]▲ .....715-394-5175

+ BANKS AVE INTERSECTS

- 1901 SIMKO SUPERIOR LTD recycling centers .....715-394-2705

+ RAILROAD CROSSES

BUSINESSES 5 HOUSEHOLDS 28

7TH AVE E (SUPERIOR)

+ E 2ND ST CONTINUES

+ E 3RD ST INTERSECTS

+ E 3RD ST CONTINUES

• ZIP CODE 54880 CAR-RT C015

- 305 Franzen Arne S & Arlene J [20]▲ .....715-392-7755
+ E 4TH ST INTERSECTS
+ E 4TH ST CONTINUES
414 Amundson Lavonne M [7]▲ .....715-392-9766
+ E 5TH ST INTERSECTS
513 Anderson William C [5]▲ .....715-395-8313

+ RAILROAD CROSSES

+ E 6TH ST INTERSECTS

- 606 Anderson Dorene K
Anderson Dori
Pfeffer Darrel W [18]▲ .....715-392-5854
+ E 7TH ST INTERSECTS
705 Dahlin Carl H Jr & Kathryn M [20]▲ .....715-394-7206
706 No Current Listing
723 Vanmassenhove Dennis M [10]▲ .....715-394-9526
+ E 8TH ST INTERSECTS
801 Torrey William C [20]▲ .....715-394-9016
816 Johnson Mitchell A & Marianne R [18]▲
.....715-394-2119
817 Johnson Rudolf W & Doris E [3]▲ .....715-392-5698
820 Flynn William R & Elizabeth M [19]▲ .....715-392-2961
823 Plachta John L & Roberta J [18]▲ .....715-392-2674

+ E 9TH ST INTERSECTS

+ MAPLE AVE ENDS

+ RASPBERRY AVE INTERSECTS

HOUSEHOLDS 13

7TH AVE N (DANBURY)-FROM 7762 MAIN ST NORTH

• ZIP CODE 54830 CAR-RT H074

- 30271 Clendening James A [13]▲ .....715-656-3538
30290 Koenen Ginger L [3]▲ .....715-656-3910
30315 Hills Harris & Lillian I [15]▲ .....715-656-3532
30329 Clendening Marilyn D [20]▲ .....715-656-3536
30341 Phelps Edwin L [15]▲ .....715-656-3723
Phelps Curtis E .....715-656-3723

+ OAK ST BEGINS

HOUSEHOLDS 5

7TH AVE W (MINONG)

• ZIP CODE 54859 CAR-RT R002

- 112 Halley Rick & Wanda L [6]▲ .....715-466-2179
113 Harmon K [3]▲ .....715-466-5059
117 Fosgate Kenneth [20]▲ .....715-466-4872
120 Sutherland Harold F & Susan A [9]▲ .....715-466-5567
+ STIGNEY ST ENDS
+ OLD 53 RD INTERSECTS

7TH AVE W Cont'd

+ OLD 53 RD INTERSECTS

- 201 Petan Harry P [5]▲ .....715-466-5108
Petan Eileen .....715-466-5108
204 No Current Listing
209 Heil Chris M & Petra [2]▲ .....715-466-2641
215 No Current Listing
+ 2ND ST ENDS
+ X ST INTERSECTS
+ PINN ST INTERSECTS
+ RAILROAD ST INTERSECTS
330 Rykal Thomas D & Roxanne C [20]▲ .....715-466-2347
331 Ruud Brian W & Julie A [13]▲ .....715-466-5289
344 No Current Listing
348 BARRY COONS ELECTRIC INC electric
contractors .....715-466-4288
BUSINESSES 1 HOUSEHOLDS 11

7TH PL (DANBURY)

• ZIP CODE 54830 CAR-RT H071

- 30722 Miller William G & Lori [2]▲ .....715-656-3121
30727 Heaton Homer E [3]▲ .....715-656-3298

HOUSEHOLDS 2

E 7TH ST (SUPERIOR)-FROM 699 11TH AVE E SOUTHEAST

+ HILL AVE CONTINUES

• ZIP CODE 54880 CAR-RT C011

- 7 N Kriske D .....715-399-2660
63 Johnson David E & Florence M [14]▲ .....715-394-3440
67 Erickson Carl I [20]▲ .....715-394-6031
Erickson Patricia E .....715-394-6031
69 Androski Susan R & Bruce R [9]▲ .....715-392-3322
+ US HWY 2 CONTINUES
103 Prettie Jean C [12]▲ .....715-392-8593
104 Brokke Clarence A & Jeanne M [20] .....715-394-3021
2 No Current Listing
3 Schueller Michael P [5] .....715-392-1733
106 Brasch Denise M [5]▲
107 Novkovic Ivana .....715-392-1502
108 Lepage Denise M [7]▲ .....715-392-5246
109 Richards Patrick R [12]▲ .....715-392-5452
110 Hofstedt Lyle F [20]▲ .....715-394-3114
Hofstedt J J .....715-394-3114

+ 1ST AVE E INTERSECTS

+ 1ST AVE E CONTINUES

+ 2ND AVE E BEGINS

- 201 Lockett Larry R & Carolyn J [2]▲ .....715-399-2746
202 Fedyn Anthony J [11]▲ .....715-392-2396
Fedyn Erna .....715-392-2396
206 Markon Lisa M [2]
3 Beschta Lisa M [10] .....715-394-3097
207 Krause Chad E [2]▲
KRAUSE'S LAWCARE & LNDSCPNG landscape
contractors .....715-399-2754
209 Piotroski Eve .....715-398-5012
211 Hamshire George W [12]▲

+ 3RD AVE E INTERSECTS

- 302 No Current Listing
303 Sabol Ronald G [12]▲ .....715-394-3851
304 Koskie Grant R & Kimberly A [10]▲ .....715-394-4384
305 Brown James A [8]▲ .....715-392-5927
306 Magdzas Douglas J [14]▲ .....715-392-4172
Magdzas Darrell M .....715-392-4172
308 Pezze Mary L [12]▲ .....715-392-7007
Pezze Nicole .....715-392-7007
309 Coppins Ruth E [20]▲ .....715-392-1383
Coppins Elizabeth A .....715-392-1383
310 Pagel Jennifer R [2]
311 Hofacre Steven J [11]▲ .....715-394-3803
312 No Current Listing
320 Andresen Lee O & Mary L [8]▲ .....715-392-5340

+ 4TH AVE E INTERSECTS

• ZIP CODE 54880 CAR-RT C010

- 401 Janicki Thomas S & Nancy S [3]▲ .....715-398-6993
403 Trauba Robert G [20]▲ .....715-394-3523
405 Lurndal Michael J & Colleen R [19]▲ .....715-392-3462
407 Bergman Robert B [13]▲ .....715-394-3058
503 Marquart Arthur E & Dianna M [20]▲ .....715-392-3243
505 Jubenville James C
507 Erickson Bruce M & Eileen S [20]▲ .....715-394-7957
509 Marzolf Amanda .....715-392-5543
A - F No Current Listing (6 Apts)

+ 6TH AVE E INTERSECTS

• ZIP CODE 54880 CAR-RT C015

- 602 Novack Ann M [20]▲ .....715-392-8886
604 Luzaich Max N [20]▲ .....715-394-7590
Luzaich Pearl M .....715-394-7590
605 1/2 No Current Listing
605 1/2 Rusch Mildred R [6] .....715-395-7786
607 Anderson Edward M & Dawn M [13]▲
.....715-392-4155
608 1/2 - No Current Listing (2 Apts)
609 Dubois Robert B [2]▲ .....715-394-3192

E 7TH ST Cont'd

- Dubois Linda L .....715-394-3192
610 Latvala Carl [11]▲
+ 7TH AVE E INTERSECTS
701 Anderson Jeffery C & Jill E [10]▲ .....715-392-5789
703 Kirchoff Chris R & Amy J [7]▲ .....715-392-6257
704 Hanna Henry O [4]▲ .....715-398-5392
Hanna Tunif S .....715-398-5392
705 Batterman Allan R & Sharon L [11]▲ .....715-392-4488
706 Johnson Jay A & Joanne M [20]▲ .....715-394-5309
707 Mattson Gregory L & Sandra L [13]▲ .....715-394-2039
708 Hill Scott J & Gloria H [12]▲ .....715-394-2828
709 No Current Listing
710 Fitch Randy L [18]▲ .....715-394-9446
Fitch Jennifer M .....715-394-9446

+ 8TH AVE E INTERSECTS

- 802 Little Nicole .....715-394-3545
1 Stein Michael T & Debra R [10] .....715-392-5771
2 No Current Listing
3 Huber Thomas J & Marie E [9]
4 Dianoski Gene [2] .....715-399-8376
5 No Current Listing
6 Houghton Steven A [4] .....715-395-0533
803 Wilson Nicole M [3]▲ .....715-395-8144
Wilson Jamie L .....715-395-8144
805 Brown Robert G & Bernice K [20]▲ .....715-392-3198
806 Armstrong Kenneth W [10]▲ .....715-392-2563
Armstrong John K .....715-392-2563
807 Wanta Albert J [20]▲ .....715-392-2818
808 Cloutier Michael R & Theresa L [13]▲
.....715-392-5211

INTER CITY ASPHALT paving contractors .....715-392-6188

- 809 Glonek Mary J [20]▲ .....715-394-5649
810 Olness Michael J▲

+ 9TH AVE E INTERSECTS

- 903 No Current Listing
904 Sallee Patti J [10]▲ .....715-394-4199
906 Solin Robert E [20]▲ .....715-392-4017
910 Fitzgerald Scott D & Candace J [17] .....715-392-4354

+ RAILROAD CROSSES

+ 11TH AVE E ENDS

- 1101 Delean Mark D [3]▲ .....715-392-8564
1103 Lanctot Richard J [20]▲ .....715-394-4795
1104 Hanchett Mary K [13]▲ .....715-392-7276
Hanchett Ruth M .....715-392-7276
1105 Olson Arthur W [20]▲ .....715-392-3086
1107 Finckler Richard C [6]▲ .....715-395-0665
1109 Tribbey Joseph A Jr [4]▲ .....715-394-6333
1111 No Current Listing

+ 12TH AVE E INTERSECTS

- ZIP CODE 54880 CAR-RT C030
1222 Eibon Dave & Barb [2] .....715-398-0905
1226 Manion Thomas E [14]▲ .....715-398-5087
1232 Olson Darlene M [10] .....715-398-5323
+ 13TH AVE E INTERSECTS
1302 Simons Donald C & Sarah L [9]▲ .....715-398-0256
1309 Martineau Dennis D [20]▲ .....715-398-5854
1310 No Current Listing
1314 Winek Robert S & Mary K [3]▲ .....715-394-5871
1315 Shepard Steven J & Carrie J [8]▲ .....715-398-6733
1318 No Current Listing
1321 Craig Thomas J [20]▲ .....715-398-3860
Craig John T .....715-398-3860
1326 Burm Matthew R
1327 Alswager Raymond J & Ella M [20]▲ .....715-398-6390

+ 14TH AVE E INTERSECTS

+ 14TH AVE E CONTINUES

- 1401 Seifert John C & Judi A [15]▲ .....715-398-5820
1408 Cordts Rodney A [13]▲ .....715-398-0322
Cordts Christina M .....715-398-0322
1409 McGrath Kevin E [20]▲ .....715-398-7444
McGrath Craig E .....715-398-7444
1412 Sievi James K & Barbara A [20]▲ .....715-398-7514
1418 Manwiller David J [2] .....715-395-2038
Manwiller Ella M .....715-395-2038
1423 Seafolk James P & Catherine M [10]▲
.....715-398-3483

+ 15TH AVE E INTERSECTS

- 1501 Johnson Leonard M & Lynn A [20]▲ .....715-398-7479
1502 Karpinen Jack V [3] .....715-392-4049
1513 Smith Harvey J & Colleen C [14]▲ .....715-398-7166
1514 Plunkett Robert L & Vivian J [10]▲ .....715-398-6162
1518 No Current Listing
1519 Brokke Mary E [20]▲ .....715-398-5613
1522 Erickson Edward N [20]▲ .....715-398-3617
Erickson Grace F .....715-398-3617
1525 Androski Bradley & Weston [20]▲
1526 No Current Listing
1531 Hanson Peter G & Kristine L [11]▲ .....715-394-5639
1532 Hack Michael J & Mary C [13]▲ .....715-398-3416

E 6TH ST to N 6TH ST

**E 6TH ST cont'd**  
 1604 Leland Edwin & Margaret (H) 398-5118  
 1606 Leisch Donald L Jr & Beth (H) 398-8431  
 1612 Zachau William E & Joyce (H) 398-3422  
 2026 Gokey Lynda M (H) 398-3801  
 1615 Bergquist Carl W & Evelyn (H) 398-1618  
 1616 Not Verified  
 1616 Yeates Dale G (H) 398-6702  
 1620 Baker Evelyn L  
 1624 Bruce Thomas A (H) 398-7633  
 1628 Bridge Richard M 398-7633  
 1628 Salles Donald R & Jean (H) 398-7497  
 1628 Johnson Carl S (H) 398-7576  
 1628 Johnson Carl G (H) 398-5128  
 1632 Brondson Donald N & Barbara (H) 398-5661  
**+17TH AVE E INTERSECTS**  
 1704 Howenstein Stanley C (H) 398-6553  
 1706 Niemes Nancy B (H) 398-9338  
 1708 Truhn Doris D (H) 398-5661  
 1713 Sharpe Robert W & Nancy (H) 398-3859  
 1716 Rydberg Steven C & Marion (H) 398-5596  
 1720 Dalbec Mark S & Anita (H) 398-6848  
 1723 Campione Nancy (H) 398-6919  
 1724 Johnson Randall K & Kathy (H) 398-7970  
 1727 Not Verified  
 1732 Maddison Michael J & Nancy (H) 398-6696  
**+18TH AVE E INTERSECTS**  
 1808 Ougley Dianne M (H) 398-5988  
 1810 Hanson James R (H) 398-5988  
 1818 Reynolds Ruth L (H) 398-3308  
 1822 Dault Margaret J (H) 398-5807  
 1822 Dault Barbara (H) 398-5807  
 1826 Bishop Terrence J & Lucy (H) 398-3767  
 1832 Carey Michelle J (H) 398-5670  
**+MILL DR E BEGINS**  
 ZIP CODE 54880 CAR-RT C032  
 1901 Graskay George M & Linda (H) 398-3432  
 1902 Not Verified  
 1905/Kuolli Pauline Z (H) 398-6562  
 1906 Robert John A & Doris (H) 398-7110  
 1911 Siegan Jeffrey L & Carrie (H) 398-6122  
 1912 Hickox James A (H) 398-6172  
 1915 Fugleto Julia J (H) 398-3091  
 1916 Smith Tamara J (H) 398-3538  
 1917 Ziebel Daniel S & Kathleen (H) 398-7332  
 1920 Lindberg Paul D & Jacqueline (H) 398-5422  
 1923 Palmer Paula K (H) 398-5422  
 1924 Nelson Charlotte V (H) 398-3338  
 Nelson Verne C (H) 398-3338  
 1927 Baker Michael A (H) 398-5556  
 1929 Scott Terence J & Lynette (H) 398-6251  
 1930 Seubert Brett A & Lynn (H) 398-6386  
**+20TH AVE E INTERSECTS**  
 2001 Marney Timothy J (H) 398-5328  
 Marley Meredith K 398-5328  
 2004 APRILS HOMEWAY FROM HOME  
 child day care svcs  
 Miller Thomas J & April (H) 398-7280  
 2006/Brandt Marilyn R  
 2010 Leavelle Alfred J & Rosemary (H) 398-3609  
 2011 Stone Dana G & Charlie (H) 398-5753  
 2013 Lavallee Emanuel M (H) 398-5753  
 2014 Messany Joseph J Sr & Bernice (H) 398-5753  
 2017 Johnson Donald R (H) 398-6336  
 2018 Stranko James T & Barbara (H) 398-5054  
 2019 Laporita Robert C & Bradley (H) 398-5007  
 2020/Krown Scott A  
 McLaughlin Sharon T (H) 398-9016  
 Riemer Sarah J (H) 398-9016  
 Riemer Peter W (H) 398-9016  
 2020x Morrow John H III (H) 398-9016

**E 6TH ST cont'd**  
 2020x Not Verified  
 2022 Fritsch Gerald E (H) 398-3061  
 2024 Hurah Orval C (H) 398-3823  
 2026 Gokey Lynda M (H) 398-3422  
 2028 Kienzie Linda (H) 398-3422  
 2031 Urbanjak Beth K (H) 398-5455  
 2032 Wilson Anthony (H) 398-5455  
**+21ST AVE E INTERSECTS**  
 2101 Starberg Jacqueline S (H) 398-5043  
 2106 Patten Curtis L (H) 398-7740  
 2106 Not Verified  
 2106 Dzialek George H & Georgann (H) 398-0270  
 2106x/Wolden Roberta A  
 2107 Kohnert E & Jean (H) 398-7774  
 2110 Perrin Carl B & Shannon (H) 398-9732  
 2113x/Greenwell Patricia M  
 2114 Tolone Daniel E & Sandra (H) 398-6732  
 2117 Gerness Sheri A (H) 398-7776  
 SHERRYS RAINBOW DAY CARE child day care svcs  
 2118 Pfeil Shelia M (H) 398-7776  
 2118 Peterson William (H) 398-7776  
 2120 Wilberg Robert J & Maryann (H) 398-3473  
 2122 Mackay Daniel L & Kelly (H) 398-3953  
 2123 Coda Anthony L (H) 398-3953  
 2124 Coda Dorothy A (H) 398-3953  
 2125 Duffy Mark P (H) 398-7653  
 2126 Brandner Carlene M (H) 398-5211  
 Brandner Richard 398-5211  
 2131 Johnson Thomas D (H) 398-5774  
 Johnson Violet S (H) 398-5774  
**+22ND AVE E INTERSECTS**  
 2206 Parham Mary E (H) 398-6454  
 2211 Paquette Terry J (H) 398-6454  
 2213 Roach Ronald W (H) 398-6454  
 2214 Pfalstad Mark V & Arna (H) 398-7271  
 2220 Hoffman Keith W (H) 398-7271  
**+23RD AVE E INTERSECTS**  
 2309 Mackey Daniel L & Kelly (H) 398-3575  
 2315 Matison Alice (H) 398-5821  
 2317 Blothorn Donald R & Carol (H) 398-6748  
 2321 Rugelei Arnold E & Sharon (H) 398-5456  
 2327 Garamone Gerald A & Jolene (H) 398-6454  
 2331 Honkanen Marjorie B (H) 398-6725  
**+24TH AVE E INTERSECTS**  
 ZIP CODE 54880 CAR-RT C034  
 2402 Hecroft Elaine (H) 398-3854  
 Hecroft Allen 398-3854  
 2403 Loomis Nancy L (H) 398-4044  
 2403x Golden Peter M (H) 398-7306  
 2407 Anderson Hazel M (H) 398-7306  
 2408 Nykanen Thomas J & Mary (H) 398-6211  
 2414 Christopherson Frank W Jr & Marilyn (H) 398-3598  
 2417 Timmin Marvin V & Evelyn (H) 398-7172  
 2418 Broadwell Jay L & Catherine (H) 398-3122  
 2418 Bowman Thomas N (H) 398-3122  
 2420 Bernard Thomas C & Ruby (H) 398-6692  
 2421 Not Verified  
 2423/Klein Doris L 398-3527  
 Klein Noel C (H) 398-3527  
 2425 Granquist Dorothy E (H) 398-6156  
 2427 Rookwood Margaret R (H) 398-7456  
 2429 Bernard Kelly A (H) 398-5278  
 2431 Beckstein Michael J (H) 398-8231  
 2433 Lippel Audrey M (H) 398-6284  
**+25TH AVE E ENDS**  
**+RAILROAD CROSSES**  
 2520 Messing Bradley J & Jennifer (H) 398-6905  
 2528 Gant Julie A (H) 398-3315  
 2532 Oshkott Lorraine J (H) 398-7214  
 Oshkott Michael T (H) 398-7214  
**+26TH AVE E INTERSECTS**  
 2606 Vandamme Robert H (H) 398-9016

**E 6TH ST cont'd**  
 2608 Monrothompson Karen S (H) 398-5970  
 Monrothompson Robert J & Karen (H) 398-5970  
 2614 Betterman Duane D & Jeanette (H) 398-5040  
 2617 Thompson Bradley J & Jill (H) 398-3806  
 2620 Aho Lorraine H (H) 398-3238  
 2623 Kelly Michael P & Jerriann (H) 398-7596  
 2626 Not Verified  
 2630 Erickson Stephen B (H) 398-4521  
 Erickson Adam J (H) 398-4521  
 2631 Nolan Michael L & Jeanne (H) 398-6567  
**+27TH AVE E INTERSECTS**  
 2701 West Michael A (H) 398-6704  
 West John L (H) 398-6704  
 2702 Blume James R (H) 398-3409  
 2703 Lombau Barbara D (H) 398-3409  
 2706 Farnakes Steven D & Arnette (H) 398-3409  
 2707 Johnson Robert J & Donna (H) 398-5234  
 2715 Hanson Eleanor F (H) 398-5234  
 2716 Broberg John M Sr & Susan (H) 398-3972  
 2720 Hoffman Kenneth B & Donna (H) 398-7364  
 2721 Meyers Kenneth M (H) 398-3452  
 2724 Peterson Marie K (H) 398-3693  
 Peterson William (H) 398-3693  
 2725 Kelly James P (H) 398-6523  
 Kelly Alta A (H) 398-6523  
 2731 Erikka Susan I (H) 398-6523  
**+27TH AVE E INTERSECTS**  
 2803 Evers David C (H) 398-6656  
 2806 Olmoski Nancy J (H) 398-2118  
 2806x/Gunnert Michael J 398-2118  
 Gunnert Stephanie (H) 398-3182  
 2818 Utzack Sophie (H) 398-7803  
 2822 Backlund Randy J (H) 398-6992  
 2822x/Harkaba James A & Cheryl (H) 398-6992  
 2828 Kaup Scott R (H) 398-6992  
**+29TH AVE E INTERSECTS**  
 2900 Backlund Wendy J (H) 398-6992  
 2900 Erickson Richard C & Nancy (H) 398-3414  
 2910 Hedekmann Charles O Jr & Lucille (H) 398-3923  
 2917 M & M AUTOMOTIVE auto trans rpr  
 2918 Moser Peter J & Jane (H) 398-2617  
 2923 Peterson Douglas J & Julie (H) 398-6748  
 2924 Maryanovich Walter L Jr (H) 398-5870  
 2926 Kauti Katherine A (H) 398-3760  
 Kauti Lori L (H) 398-3760  
 2931 Nelson Ronald O & Sally (H) 398-6393  
 2931 Nelson Laugrands S (H) 398-6393  
 3015 Smith Lester K & Mercedes (H) 398-6404  
 3016 Ostad David F Jr (H) 398-5854  
 3021 Farnethas Carol D (H) 398-5795  
**+RAILROAD CROSSES**  
 3024 Nykanen Peter L & Leslyn K (H) 398-6414  
 3022 Not Verified  
**+37TH AVE E INTERSECTS**  
 3704 Hanson Robert J & Stella (H) 398-6871  
 3715 Dampman Alex R (H) 398-7150  
 3718 Johnson Judy M (H) 398-3122  
 Johnson Joseph D (H) 398-3122  
 3722 Modar Bruce P & Cheryl (H) 398-7447  
 3732 Bennett Anthony J (H) 398-7447  
 Bennett Gerald (H) 398-7447  
**+38TH AVE E INTERSECTS**  
 3810 Leisi Gary L (H) 398-7456  
 3811 Degraef Peter J Jr & Linda (H) 398-5278  
 3816 Ruffer Jean M (H) 398-8231  
 3820 Culyer Michael J & Beverly (H) 398-6284  
**+39TH AVE E INTERSECTS**  
**+54TH AVE E INTERSECTS**  
**BUSINESSES 3 HOUSEHOLDS 22N**  
**N 6TH ST (SUPERIOR) FROM 601 CATTLE**  
**ZIP CODE 54880 CAR-RT C008**  
 601 Prigge Deborah A (H) 398-2874

**E 6TH ST cont'd**  
 718 Initial Jeffrey T (H) 398-7456  
 Initial Tamara R (H) 398-7456  
 719x/Olson Anthony J 394-7614  
 720 Hatfield Jason L (H) 394-6398  
 722x Not Verified  
 722x Quam Gloria F (H) 398-5332  
**+FISHER AVE INTERSECTS**  
 800 Not Verified  
 800x Rank Jace J (H) 394-5685  
 800x Shaw T (H) 392-8020  
 810 Wicklund Brian L & Jacquelyn (H) 394-5696  
 812 Not Verified  
**+CLOUGH AVE INTERSECTS**  
**+WEIZ AVE INTERSECTS**  
 1004 Marshall Brian K (H) 398-6284  
 SOULD ROCK OUTREACH MINISTRIES  
 indivd family svcs 392-6284  
**+GRAND AVE INTERSECTS**  
 1113 Anderson Douglas E (H) 392-2873  
 Beck Shirley L (H) 392-1871  
 1124 FAGERLIN FUEL fuel oil dealers 394-5561  
**+BAKTER AVE INTERSECTS**  
 ZIP CODE 54880 CAR-RT C007  
 1210 Farrell Carrie J (H) 392-8593  
 1201x Alice Anthony A (H) 392-8593  
 1203x Lucja Christopher M (H) 392-1088  
 1203x Not Verified  
 1203x Paul Michael E (H) 394-7348  
 1206x/Sheath Lisa M (H) 392-5492  
 1207x/Jurison George L (H) 395-0622  
 1211x/Griener Monica M (H) 394-7195  
**+CUMMING AVE INTERSECTS**  
 1303 Peterson George J (H) 394-9441  
 1310x/Johnson D (H) 392-5492  
 1312x/Hansen E N (H) 394-9441  
 1315 Raymond Lori J (H) 394-9441  
 1317 Selby William M (H) 394-9441  
 Selby William W (H) 394-9441  
**+HAMMOND AVE INTERSECTS**  
 ZIP CODE 54880 CAR-RT C008  
 1407 Not Verified  
**+HIGHT AVE INTERSECTS**  
**+JOHN AVE INTERSECTS**  
 1606x/NORTHWEST BEVERAGE beer and 392-2978  
 1607x/Ferraro Peter J (H) 392-2978  
**+TOWER AVE INTERSECTS**  
 1623 Panney Shawn R (H) 392-3976  
 1625 Panney John F (H) 394-5175  
 1625x/Karlsberg Stephen S (H) 394-5175  
 Karlsberg Rosemary (H) 394-2705  
**+BAHNS AVE INTERSECTS**  
**BUSINESSES 4 HOUSEHOLDS 32**  
**7TH AVE E (SUPERIOR) FROM 701 2ND**  
**+5RD ST INTERSECTS**  
 ZIP CODE 54880 CAR-RT C016  
 305 Franzon Arne S & Arlene (H) 392-7755  
**+6TH ST INTERSECTS**  
 414 Amundson LeVonne M (H) 392-9786  
**+6TH ST INTERSECTS**  
 608 Not Verified  
**+RAILROAD CROSSES**  
 608 Pfeffer Darrel W (H) 392-5854  
**+6TH ST INTERSECTS**  
 705 Not Verified  
 706 Lyons Richard W & Judith (H) 392-3975  
 723x/Vannassenhove Dennis M & Pamela (H) 392-7859  
 723x/Finckler Stephen S (H) 394-0110  
 810 Flynn Maxell (H) 392-8608  
 820 Flynn William R & Elizabeth (H) 392-2961  
 823 Plochia John L (H) 392-2874

FAGERLIN FUEL INC.

Uncle Walt Says: "Every Dollar Spent With Us - Continues To Serve & Help Superior"  
 1124 N. 6th St., P.O. BOX 938



**E 6TH ST cont'd**  
**7TH AVE E cont'd**  
**+E 8TH ST INTERSECTS**  
**+RASPBERRY AVE BEGINS**  
 HOUSEHOLDS 12  
 ZIP CODE 54880 CAR-RT H074  
 30271 Clendering James A (H) 656-3538  
 30290 Wiels Larry R (H) 656-7545  
 30315 Hite Harris C & Lillian (H) 656-5332  
 30329 Clendering Marilyn D (H) 656-3538  
 30341 EDS LOGGING logging 656-3723  
 Phelps Carol J (H) 656-3723  
 30343 Carpenter Omer (H) 656-4431  
**+OAK ST INTERSECTS**  
**BUSINESSES 1 HOUSEHOLDS 6**  
**E 7TH ST (SUPERIOR) FROM 67 BELKNAP**  
**+SOUTH AVE INTERSECTS**  
 ZIP CODE 54880 CAR-RT C011  
 63 Johnson David E & Florence (H) 394-3440  
 67 Erickson Carl I (H) 394-3033  
 67x/Andrew Bruce R (H) 392-8032  
 Andrew Susan R (H) 392-3032  
**+16T AVE ENDS**  
 ZIP CODE 54880 CAR-RT C016  
 100x/Proble Jean C (H) 392-8593  
 104x/Scheldorp Jon W & Jacqueline (H) 392-5246  
 106x/Daniel Roberts M (H) 392-5246  
 107x/Nelson Brenna L (H) 392-5452  
 108x/Anderson Neil J (H) 392-5452  
 Halverson Dianne M (H) 392-5246  
 109x/Margaret J (H) 392-5246  
 109x/Richards Patrick R (H) 392-5452  
 110x/Holstad Lyle F & Barbara (H) 394-3114  
 115x/Crowley J (H) 392-8107  
**+2ND AVE E INTERSECTS**  
 201x/Rich Kimberly A (H) 394-5940  
 202x/Fedyn Anthony J (H) 392-3198  
 206x/Berch Lisa L (H) 394-5974  
 Clements Robert T (H) 394-6709  
 Moorhouse Charles B (H) 394-6284  
 206x/Patterson Rhonda J (H) 394-7219  
 Ferraro Peter J (H) 392-2978  
 209x/Eades James M & Denise (H) 392-4844  
 211x/Hamshire George W (H) 392-3976  
**+3RD AVE E INTERSECTS**  
 302x/Johnson David M & Denise (H) 394-3851  
 303x/Sabol Ronald G (H) 394-3851  
 304x/Koelke Grant R (H) 394-4394  
 305x/Garrison Ernest A & Marie (H) 394-6004  
 306x/Magdzius Douglas J & Darrel (H) 392-1723  
 308x/Pezza John R (H) 392-7007  
 Pezza Mary L (H) 392-7007  
 309x/Coppine Ruth E (H) 392-1383  
 Coppine Robert M (H) 392-1383  
 310x/Lamer Alan J (H) 392-7755  
 Lamer Kevin (H) 392-7755  
 311x/Holace Steven J (H) 394-3803  
 312x/Wiell Christopher L (H) 394-7942  
 313x/Travis Robert G Jr & Brenda (H) 394-3803  
 320x/Andrew Lee O (H) 392-5940  
**+4TH AVE E INTERSECTS**  
 401x/Plato Frank A & Dianne (H) 394-6398  
 403x/Travis Robert G Jr & Brenda (H) 394-3803  
 405x/Lundahl Michael J (H) 392-3462  
 406x/Lundahl Colleen R (H) 392-3462  
 407x/Travis Robert G Jr & Brenda (H) 394-3803  
 503x/Marquet Arthur E & Dianna (H) 392-3243  
 507 Not Verified  
 509x/Oshkott Harry L & Joyce (H) 394-7877  
 Oshkott Charles F (H) 394-7877  
 508x/Saunders Debra J (H) 392-2961  
 B Not Verified  
 F Bishop Robert G (H) 394-4693

Community  
 Superior  
 Credit Union  
 MAIN OFFICE  
 2817 TOWER AVE.  
 392-8616  
 EAST END  
 398-8828  
 JUBILEE @ 2222 E. 5TH ST.  
 398-9838  
 MIDTOWN PLAZA  
 JUBILEE @ 2917 TOWER AVE.  
 392-9840  
 MILLEN OFFICE  
 1717 S. MAIN ST.  
 392-4281  
**Your Important at**

**E 7TH ST cont'd**  
**+E 8TH AVE INTERSECTS**  
 602 Novack Anthony J & Ann (H) 392-8866  
 603 William P & Karen (H) 392-8942  
 604x/Smith Michael (H) 394-7590  
 605x/Petry Joseph C & Sheryl (H) 394-3265  
 Utiles Robert E (H) 392-8942  
 605H/William James R (H) 395-0460  
 607 Anderson Edward M (H) 392-4155  
 Anderson Dawn M (H) 392-4155  
 608 Fibrick Kenneth O (H) 392-7722  
 608x Wick Mindy B (H) 392-3883  
 609x/Braun Francis W (H) 392-3883  
 610x/Bass William F (H) 392-3883  
 610x/Allen Brian R (H) 392-3883  
 610x/Deagle Anne M (H) 392-8614  
**+10TH AVE ENDS**  
 701 Anderson Jeffrey C & Jill (H) 392-5798  
 703 Kirchoff Christopher R & Amy (H) 392-6257  
 704 Tanner Jeffrey A & Cynthia (H) 392-7264  
 705 Berleson David K (H) 392-4488  
 706 Johnsen Jay A & Joanne (H) 394-3909  
 707 Mattison Gregory L (H) 394-2039  
 708 Hill Scott J & Gloria (H) 394-2828  
 709 Orton Lucien Jr Sr (H) 394-4736  
 710 Fish Nancy L & Chris (H) 394-4646  
**+8TH AVE E INTERSECTS**  
 802 Campbell Donald C (H) 392-5257  
 Campbell Edward (H) 392-5257  
 1-2 Not Verified (2 Apts)  
 3 Huber Thomas J (H) 394-2038  
 6 Noble Nathan D (H) 395-0093  
 803x/Rock John A (H) 392-3198  
 805 Brown Bernice K (H) 392-3198  
 Brown Robert G (H) 392-3198  
 806 Armstrong Kenneth W (H) 392-2563  
 Armstrong Grace M (H) 392-2563  
 807 Wanta Albert J (H) 392-2818  
 808 Cloutier Michael R & Theresa (H) 392-5211  
**+INTER CITY A234/44th Ave cont'd**  
 809x/Glonak Mary J (H) 394-5649  
 810x/Tarlowe Steven P & Cecilia (H) 394-5745  
**+E 7TH ST INTERSECTS**  
 900 Sundstrom Edward A (H) 392-1864  
 904 Dumroseau Gregory D & Patti (H) 392-1864  
 905x/Solin Robert E (H) 392-0717  
 910 Fitzgerald Candace J (H) 392-4354  
 Fitzgerald Rachael A (H) 392-4354  
**+10TH AVE INTERSECTS**  
**+RAILROAD CROSSES**  
**+11TH AVE ENDS**  
 1101 Toys Rick D & Joyce (H) 394-2170  
 1103 Lanchett Richard J (H) 394-4795  
 1104 Hancock Robert (H) 392-7276  
 Hancock Mary K (H) 392-7276  
 1105 Olson Ruby L (H) 392-3098  
 Olson Arthur W (H) 392-3098  
 1107x/Finckler Richard C & Diana (H) 398-3819  
 1108 Robbins Robert L (H) 394-4699  
**+12TH AVE ENDS**  
 1201x/Kisavetz Margie (H) 392-5839  
 1202x/Travis Robert G Jr & Brenda (H) 394-3803  
**+ZIP CODE 54880 CAR-RT C030**  
 1222-1226 Not Verified (2 Hses)  
 1232x/Manton Marcia A (H) 398-5323  
**+13TH AVE INTERSECTS**  
 1300x/Simon Sarah L (H) 398-0256  
 Simon Donna (H) 398-0256  
 1308x/Marinshaw Dennis D (H) 398-5854  
 1310x/Cothran Robert O & Wanda (H) 398-5584  
 O Daly Charles (H) 398-5584  
 1314x/Merles Joanne R (H) 398-6895  
 1318x/Westman Robert H & Joelle (H) 395-0350



**E 6TH ST—Contd**

3016 Ostazeski David F Jr  
398-5684  
3021 Farmakes Wm J © 398-5795

22

31ST AV INTERSECTS  
32D AV INTERSECTS  
RIVER ST INTERSECTS  
36TH AV INTERSECTS

3614 Radloff Hazel A © 398-5912  
3622★Nagle Dana ©  
37TH AV INTERSECTS  
3704★Hanson Robt J © 398-6871  
3715 Dampman Alex © 398-7150  
3718 Blomfelt Tauno W ©  
398-7785

3722★Moder Bruce P © 398-7447  
3732★Moore Lisa © 398-7056  
38TH AV INTERSECTS  
3810 Jahr Donald R © 398-3317  
3811 De Graef Peter J ©  
398-5278

3816★Ryan Craig E © 398-7621  
3820 Laski Gary L 398-7456  
39TH AV INTERSECTS

**6TH ST N —FROM CATLIN  
AV WEST 5 SOUTH OF 1ST  
ST**

3

ZIP CODE 54880  
701★Prigge Deborah ©  
718★Olson Herbert C 394-9502  
718½★Miller Patrick J 394-6680  
722 Ciskie Bruce T 394-6000  
722½★Mark Edward  
724½ Steltz Dale R 392-9018  
FISHER AV INTERSECTS  
802 Black Mary E 394-6364  
806 Rink James F © 394-5865  
808 Mills Michl J © 394-2193  
810 Collins Patk E © 392-1402  
812 Evans Chas G 392-4332  
CLOUGH AV INTERSECTS  
WEEKS AV INTERSECTS  
1004 Willems Mary Alice Sister  
GRAND AV INTERSECTS  
1113 Beck Shirley L Mrs ©  
392-1871  
1113½ Anderson Douglas 392-2763  
1124 Fagerlin Fuel coal & fuel oil  
394-5561

BAXTER AV INTERSECTS  
1201 Eckberg Karen K 394-4874  
1201½ Berndt Venessa R 392-4129  
1203★Kimball Kath J  
1203½ No Return  
1209★Olson Stephen M 394-9093  
1209½★Estrada Romana 394-6684  
1211 Krohn Todd W 392-6133  
1211½ Vacant

CUMMINGS AV INTERSECTS  
1303 Peterson Geo J Jr ©  
394-7348  
1306 Fagerlin Fuel (Garage)  
1310 No Return  
1312 No Return  
1315 Raymond Thos F © 394-7195  
1317 Sayles Wm W © 394-9441

1

HAMMOND AV INTERSECTS  
1404 Hebrew Brotherhood  
Congregation synagogue  
HUGHITT AV INTERSECTS  
JOHN AV INTERSECTS

1601 Vacant  
Vacant  
Vacant  
1603 Apartments  
3 Vacant  
1609 Vacant  
Vacant  
1 Vacant

OGDEN AV INTERSECTS  
TOWER AV INTERSECTS  
1814 Vacant  
1823 Vacant  
1824★Parzych Jos F ©  
1825★Toms Kempor Kevin  
BANKS AV INTERSECTS  
1901 Simko Superior Ltd gas sta  
394-2705

**7TH AV E —FROM 700 2D ST  
SOUTHWEST**

9

ZIP CODE 54880  
E 3D ST INTERSECTS  
305 Franzen Arne S © 392-7755  
E 4TH ST INTERSECTS  
414★Le Page Roger W ©  
394-2570  
E 5TH ST INTERSECTS  
513 No Return  
E 6TH ST INTERSECTS  
606 Pfeffer Darrell W © 392-5854  
609 Vacant  
E 7TH ST INTERSECTS  
705 Dahlin Carl H © 394-7206  
706 Trautt Judith E Mrs ©  
392-3975  
723 Moody T Wm © 392-6869  
E 8TH ST INTERSECTS  
801 Torrey Wm C © 394-9016  
816 Johnson Mitchell A 394-2119  
817 Elmgreen J Maxfield ©  
392-8808  
820 Borg Geo W © 394-4232  
823 Wick Gladys L © 394-7123  
E 9TH ST INTERSECTS  
MAPLE AV INTERSECTS  
RASPBERRY AV INTERSECTS

**7TH ST E —FROM HILL AV  
SOUTHEAST 5 SOUTHWEST  
OF 2D ST**

9

ZIP CODE 54880  
63 Pederson Dora V Mrs ©  
392-1155  
67 Erickson Patricia E Mrs ©  
394-6031  
69 Dahlberg Donald R © 394-7970  
E 1ST AV INTERSECTS  
BELKNAP ST BEGINS  
103 Krueger Jean C © 392-8593  
104 Brokke Clarence A 394-3021  
Davidson Paula M 392-4081  
Bourrie Anthony D 394-9324  
106 Danielson Nels S © 394-3025  
107 Vacant  
108 Halvorson Paul D © 392-5246  
109 Vacant  
110 Hofstedt Lyle F © 394-5664  
E 2D AV INTERSECTS  
201 Gustafson Ronald M ©  
394-7527  
202 Vacant  
206 Eye-Level Advertisements bus  
sign adv 394-4709  
Clements Edith M Mrs ©  
394-4709  
206½ Moorhouse Charles 394-9284  
Schuman Linda K 392-5308  
Vacant  
207 Vasaloski Thos M 392-6443  
209★Brice John P © 392-9624  
211 Central Park Grocery  
394-9772  
Mackay Julia © 394-9772  
E 3D AV INTERSECTS  
302 Fogelberg Lawrence B  
392-8566  
303 Hulter Edw C © 392-1657  
304 Fruehauf Richd P Jr ©  
394-3686  
305 Garrison Ernest A ©  
394-9604  
306 Larson Glen R © 392-2252  
308 Glockner Robt J © 392-8330  
309 Coppins Robt M © 392-1383  
310 Beving Charlotte M 392-3347  
311 Zurian Kenneth J 392-1253  
312 Vacant  
320 King Samuel H © 394-3212  
E 4TH AV INTERSECTS  
401 Spang Thos M © 392-8446  
403 Trauba Robt G © 394-3523  
405 Ellis Robt T © 392-4931  
407 Murphy Mary J © 392-3220  
E 5TH AV INTERSECTS  
503 Marquart Arth E © 392-3243  
505 Berg Irene A Mrs © 392-8777  
507 Erickson Bruce M © 394-7957  
509 Apartments

A Haedrich Roswitta  
B Vacant  
C Vacant  
D Vacant  
E★Urlacher Peter  
F Olson Albert O 394-7018  
G★O'Hara Wm  
E 6TH AV INTERSECTS  
602 Novack Anthony J ©  
392-8886  
603 Anderson Wm P © 392-8942  
604 Luzaich Pearl M © 394-7590  
605★Utilities Edw J  
605½★Fish Mary J 392-6950  
607 Renko Eug J © 394-4938  
608★Paulus Gary 392-6257  
608½ No Return  
609 Buss Francis W © 392-3883  
610 Tallberg Lisa 394-4912  
610½★Aitkins Jana  
E 7TH AV INTERSECTS  
701 No Return  
703 Johnson Byron D © 394-4663  
704 Johnson Fred G © 392-8518  
705 Lenz John C © 394-2700  
706 Johnson Jay A © 394-5309  
707 Pendleton Mark L 394-3748  
708 Liljegen Wilbert H ©  
392-1018  
709 Orsoni Lucien J © 394-4736  
710 No Return  
E 8TH AV INTERSECTS  
802 Bayview Apartments  
1 St John Evelyn 392-8655  
2 Miller Ronald L 392-1322  
3★Gunnion John K 394-6491  
4 No Return  
5★Cannon Thos E 399-8288  
6 Mc Naughton Tim J  
394-4585  
803 Rock John A © 392-3813  
805 Brown Robt G © 392-3198  
806★Lund Nancy K 394-6940  
807 Wanta Albert J © 392-2818  
808 Dale Leslie H © 394-7887  
809 Glonek Mary J Mrs ©  
394-5649  
810 De Bruyne Gayle O ©  
394-4689  
E 9TH AV INTERSECTS  
903 Sundstrom Edw A © 392-1864  
904 Anderson Mark A © 392-3263  
906 Solin Robt E © 392-4017  
910 Galliford John E © 392-6247  
E 10TH AV INTERSECTS  
E 11TH AV INTERSECTS  
1101 Johnson Paul  
1103 Lanctot Richd J © 394-4795  
1104 Jorgenson Norman E ©  
392-4156  
1105 Olson Ruby L Mrs ©  
392-3086  
1107 Kennedy Robt D © 394-9411

**E 6TH ST—Contd**

2213 Zimmerman Kenneth L ©  
398-6501  
2214 Plaisted Melvin K ©  
398-3403  
2215 Trolson Loren E © 398-3390  
2217 Harty Esther M Mrs ©  
398-6140  
2220 Smedberg Evelyn © 398-3932  
2223 Country Mkt (Side Door)  
23D AV INTERSECTS  
2309★Tribbey Jos A 398-3221  
2315 Mattson Melvin R ©  
398-5821  
2317 Bloxham Donald R ©  
398-6748  
2321 Regeski Arnold E ©  
398-5456  
2327 Anderson Geo L © 398-3993  
2331 Sheridan Lawrence P ©  
398-6029  
24TH AV E INTERSECTS  
2402 Haworth Ellamae Mrs ©  
398-3854  
2403 Loomis Nancy L Mrs  
398-3891  
2403½★Radmall Alan 398-7026  
2407 Mischke Raymond H ©  
398-5583  
2408 Nykanen Thos J © 398-6949  
2414 Christopherson Frank W Jr  
© 398-3598  
2417 Hill Ellen V Mrs ©  
398-3279  
2418 Peterson Leonard M ©  
398-6038  
2419 Ossell Dorothy L Mrs  
398-6973  
2420 Fredrick Virginia H Mrs ©  
398-3241  
2421 Kwisler Esther M 398-3349  
2422 Vacant  
2423 Gove Helen V 398-5176  
2425 Rhodes Emma K Mrs  
398-3966  
2427 Lambert Anna M Mrs  
398-7197  
2429 Wheeler Robt 398-3618  
2431 Mc Dermott Susan A Mrs  
398-5467  
2433 Nelson C Ronald  
25TH AV INTERSECTS  
2528 Simzek Cecilia L Mrs ©  
398-5725  
2528½ Simzek Dave 398-5202  
2532 Okash Michl M © 398-7214  
26TH AV INTERSECTS  
2606 Tucker Patricia L ©  
398-3989  
2608 No Return  
2614 Betterman Duane D ©  
398-5040  
2617 Longberg H Dean ©  
398-5093  
2620 Horst Glenn A © 398-3228  
2623 Thompson Kenneth E ©  
398-7256  
2626 Das Rhea S Mrs © 398-3073  
2630 Erickson Steve B © 398-6521  
2631 Murray Michl R © 398-7581  
27TH AV E INTERSECTS  
2701 West Grover C © 398-3424  
2702 Flowers Franklin C ©  
398-5265  
2703 Thimm Kenneth A ©  
398-3379  
2706 Strand Lois E Mrs ©  
398-5737  
2707 Vacant  
2715 Hanson Dewey R © 398-5337  
2716 West Laura L Mrs ©  
398-5342  
2720 Lang Darrell T © 398-5559  
2721 Meyers Kenneth M ©  
398-3452  
2725 Kelly James P © 398-6523  
2731 Jones David G © 398-3809  
28TH AV INTERSECTS  
2803 Peterson Paul I 398-7245  
2804 Hoglund Josephine E Mrs ©  
398-5330  
2806 Kuhlman Michl P ©  
398-7039  
2808★Mundle Rosemary A ©  
2809 Peterson Gladys E Mrs ©  
2815 Senzig Donna J 398-6249  
2816 Uzelac Mike © 398-3162  
2822 Knowles Donald E ©  
398-5778  
2825 Harkabus James A ©  
398-6992  
2827 Monaghan Robt J ©  
398-3148  
2828 Munnings Clarence R ©  
398-3680  
2831 Baker Lyle G © 398-5570  
29TH AV INTERSECTS  
2908 Allen John R © 398-6741  
2909 Berweger Dale E © 398-3149  
2916 Lohman Myron H ©  
398-6090  
2923 Peterson Douglas J ©  
398-6974  
2924 Maryanovich Mae D Mrs ©  
398-5870  
2926 Kauti Dennis E © 398-3760  
30TH AV ENDS  
3015 De Smet Charles R ©  
398-7060  
3016 Ostazeski Annette M Mrs ©  
398-3861  
3021 Farmakes Wm J © 398-5795

31ST AV INTERSECTS

22

**E 6TH ST—Contd**

32D AV INTERSECTS  
RIVER ST INTERSECTS  
36TH AV INTERSECTS  
3614 Radloff Hazel A © 398-5912  
3622 Cain Irene C Mrs ©  
398-3208  
37TH AV INTERSECTS  
3704 Best Gayle R © 398-6427  
3715 Dampman Alex © 398-7150  
3718 Blomfelt Tauno W ©  
398-7785  
3722 Vacant  
3723 Vacant  
3732 Nelson Evelyn N Mrs ©  
398-5691  
Fradenburgh Lloyd G ©  
398-6395  
38TH AV INTERSECTS  
3810 Felien Richd E © 398-6342  
3816 Gnoza Henry R © 398-5560  
3820★Lashe Gary 398-3876  
3821★Kessey Richd © 398-6597  
39TH AV INTERSECTS

**6TH ST N —FROM CATLIN  
AV WEST 5 SOUTH OF 1ST  
ST**

ZIP CODE 54880  
701 Harrer Wesley L © 392-4839  
718 Mc Leod Dorothy J Mrs  
394-5208  
718½ Olson Herbert C 394-9502  
722★Ciskie Bruce T © 394-6000  
722½★Kline Rae  
724★Knutson Mike  
724½ Kimmes Lynn I 394-6078  
734 Ellison Dennis real est  
FISHER AV INTERSECTS  
802 Chapman James H ©  
394-3160  
806 Rink James F © 394-5865  
808 Anderson Elna J Mrs ©  
394-6794  
810 Collins Patk E © 392-1402  
812 Evans Chas G 392-4332  
CLOUGH AV INTERSECTS  
WEEKS AV INTERSECTS  
1004 La Venture Rita A 394-4856  
GRAND AV INTERSECTS  
1113 Beck Shirley L Mrs ©  
392-1871  
1113½★Beck Ronald R 392-9895  
1124 Fagerlin Fuel coal & fuel oil  
394-5561  
BAXTER AV INTERSECTS  
1201 Eckberg Karen 392-7228  
1201½★Cassano Joy A 392-6326  
1203★O'Neill Tom  
1203½ Marro  
1209★Gayken John

1209½ Haugen Bradley 392-6738  
1211★Mitcham Barry  
1211½★Mossberger Darrell  
1214 Park Place Homes  
(FOR NAMES SEE N 8TH ST  
AT CUMMINGS AV—  
CUMMINGS AV INTERSECTS  
1303 Peterson Eleanor A Mrs ©  
394-7348  
1306 Fagerlin Fuel (Garage)  
1310 Johnson Margaret D  
392-5492  
1312★Visger Gregory L  
1315 Raymond Thos F © 394-7195  
1317 Sayles Wm W © 394-9441

**HAMMOND AV INTERSECTS**  
1404 Hebrew Brotherhood  
Congregation synagogue  
394-7592  
**HUGHITT AV INTERSECTS**  
1501 Severin Kenneth 392-4132  
1503 No Return  
1505 Severin Donald W ©  
392-1812  
1507 Kauti Earl D 392-9102  
JOHN AV INTERSECTS  
1601 Rooming House 394-3501  
Bruette Edw  
★Smetana Julie  
1603★Indorf Rick  
1609 Schumaker Rooming House  
392-8424  
Soulter Lawrence A 392-5976  
1610 Vacant  
OGDEN AV INTERSECTS  
1701 Vacant  
TOWER AV INTERSECTS  
1814 Clark Mary M Mrs  
1823★Thompson Sue  
1824 Parzych Jos 392-2259  
1825★Nindorf Rick  
BANKS AV INTERSECTS  
1901 Karon Oil Co gas sta  
394-3901  
Superior Iron & Metal Co  
scrap dirs 394-3901

**7TH AV E —FROM 700 2D ST  
SOUTHWEST**

ZIP CODE 54880  
E 3D ST INTERSECTS  
305 Liebaert Ronald © 392-2166  
E 4TH ST INTERSECTS  
414 Lundsted James E ©  
392-1167  
E 5TH ST INTERSECTS  
513★Liberky Bonnie  
E 6TH ST INTERSECTS  
606 Gall Joseph J © 394-3792



**Paquette** REFRIGERATION INC.

5316 TOWER AV.

SALES AND SERVICE

TEL. 394-4675

30

**E 6TH ST—Contd**

3810★Warn Michl R © 398-5927  
 3816 Parenteau Gerald F ©  
 398-5529  
 3820 Salmi Emilia L Mrs ©  
 398-5318  
 3821 Kessey Richd J ©  
 39TH AV INTERSECTS

1303 Peterson Eleanor A Mrs ©  
 394-7348  
 1306 Fagerlin Fuel (Garage)  
 1310 Johnson Margaret D  
 392-5492  
 1312 No Return  
 1315 Raymond Thos F © 394-7195  
 1317 Sayles Wm W © 394-9441

**6TH ST N —FROM CATLIN  
 AV WEST 5 SOUTH OF 1ST  
 ST**

ZIP CODE 54880  
 701 Harrer Wesley L © 392-4839  
 718 McLeod Dorothy J Mrs  
 394-5208  
 718½ Vacant  
 722 Vacant

**FISHER AV INTERSECTS**

802 Chapman James H ©  
 394-3160  
 806 Rink James F © 394-5865  
 808 Anderson Oscar W ©  
 394-6794

810 Collins Patk E © 392-1402  
 812 Reed Kenneth 394-7554

**CLOUGH AV INTERSECTS**

**WEEKS AV INTERSECTS**  
 1004 Superior Indian Education  
 Center 394-3733  
 Superior Indian Center  
 394-3733  
 Superior Indian Organization  
 394-3733

**GRAND AV INTERSECTS**

1113 Beck Shirley L Mrs ©  
 392-1871  
 1113½ Beck Douglas  
 1124 Fagerlin Fuel coal & fuel oil  
 394-5561

**BAXTER AV INTERSECTS**

1201 Pleau Raymond G  
 1201½★Johnson Brian  
 1203 Vacant  
 1203½★Esala Mary K Mrs  
 394-6185  
 1209 Cross Claude  
 1209½ Quinn James L 394-7849  
 1211★Cloud Lawrence  
 1211½ Root Geo

1214 Park Place Homes  
 (FOR NAMES SEE N 8TH ST  
 AT CUMMINGS AV—  
 CUMMINGS AV INTERSECTS

**HAMMOND AV INTERSECTS**

1404 Hebrew Brotherhood  
 Congregation synagogue  
 394-7592

**HUGHITT AV INTERSECTS**

1501 Kinnee Esther E Mrs  
 392-1425  
 1503 Vacant

1505★Severin Donald W 392-1812  
 1507★Wallin Joseph 394-5974

**JOHN AV INTERSECTS**

1601-09 La Port's Rooming House  
 394-3501

1601 Bruette Edw  
 1603★La Porte Gary E ©  
 392-2649

1609 La Port's Rooming Hse  
 1610 City Fire Dept Hq 394-5545

Fire Department Credit  
 Union 394-5545

Firemen's Relief Assn  
 394-5545

**OGDEN AV INTERSECTS**

1701 Kempinsky Glass & Paint Co  
 394-5588

**TOWER AV INTERSECTS**

1814 Clark Mary Mrs  
 1823 Mathison Delphen C  
 394-7555

1824 Parzych Joseph 392-2259  
 1825 Sallman Geo L 394-9102

**BANKS AV INTERSECTS**

1901 Karon Oil Co gas sta  
 394-3901  
 Superior Iron & Metal Co  
 scrap dlrs 394-3901

**7TH AV E —FROM 700 2D ST  
 SOUTHWEST**

ZIP CODE 54880  
 E 3D ST INTERSECTS  
 305 Sanford Richd C © 392-2778  
 E 4TH ST INTERSECTS

31

**E 7TH AV—Contd**

414 Lundsted James E ©  
 392-1167  
 E 5TH ST INTERSECTS  
 513 Provost David L © 392-5309  
 E 6TH ST INTERSECTS  
 606★Soule Warren J © 394-3792  
 609 Walker Juanita © 394-4979

E 7TH ST INTERSECTS  
 705 Nelson Mary D Mrs ©  
 394-3772

706★Tautt John T © 392-3975  
 723 Falstad Ralph L © 392-1825

E 8TH ST INTERSECTS  
 801 Torrey Wm C © 394-9016  
 816 Hennekens Wm D © 392-5293  
 817 Elmgreen J Maxfield ©  
 392-8808

820 Borg Andy L © 394-4232  
 823 Wick Gladys L Mrs ©  
 394-7123

E 9TH ST INTERSECTS  
**MAPLE AV ENDS**  
**RASPBERRY AV BEGINS**

**7TH ST E —FROM HILL AV  
 SOUTHEAST 5 SOUTHWEST  
 OF 2D ST**

ZIP CODE 54880  
 65 Pederson Dora V Mrs ©  
 392-1155

67 Erickson Carl I © 394-6031  
 69 Dahlberg Donald R 394-7970

E 1ST AV INTERSECTS  
**BELKNAP ST BEGINS**

103 Lorimer Keith L © 392-3129  
 104 Brokke Clarence A 394-3021  
 Harju Inga N 394-4283

106 Danielson Nels S © 394-3025  
 108 Lindquist John ©

109 Ashcroft Janitorial Service  
 392-4409

Ashcroft Richd O © 392-4409  
 110 Hofstedt Lyle F © 394-5664

E 2D AV INTERSECTS  
 201★De Rosier David L ©  
 394-6404

★Olson Robt A 392-1814  
 202 Dunbar Florence M Mrs ©  
 392-2112

206 Eye-Level Advertisements bus  
 side adv 394-4709  
 Clements Edith M Mrs ©  
 394-4709

206½ Moorhouse Charles 394-9284  
 ★Schuman Linda  
 Shafter Gary

207★Tipner Geo  
 209 Jenson Robt E © 392-2439  
 211 Central Park Grocery  
 394-9772

Mac Kay Julia © 394-9772  
 211½ Vacant

E 3D AV INTERSECTS  
 302 Longshore Stanley E ©  
 394-6360

303 Hulter Edw C © 392-1657  
 304 Borgh Robt V © 394-9457  
 305 Garrison Ernest A ©  
 394-9604

306 Patnode's Ray Confection Co  
 whol 394-7603  
 Patnode Raymond L ©  
 394-7603

308 Glockner Robt J © 392-8330  
 309 Coppins Robt M © 392-1383  
 310★Williams Kathryn L

311 Myers Donald L © 392-8438  
 312 Wermtter Laurie A  
 320 King Samuel H © 394-3212

E 4TH AV INTERSECTS  
 400 Central Park  
 401 Hammann Wm A © 394-7841

403 Trauba Robt G © 394-3523  
 405 Ellis Robt T © 392-4931  
 407 Murphy Mary J Mrs ©  
 392-3220

E 5TH AV INTERSECTS  
 503 Marquart Arth E © 392-3243  
 505 Berg Irene A Mrs © 392-8777  
 507 Erickson Bruce M © 394-7957

509 Apartments  
 A★Johnson D  
 B★Skamser Paul Jr 392-5294  
 C No Return  
 D Lindberg Richd A  
 E★Fisher M  
 F★Bishop R  
 G★Petrin Ed 394-7045

E 6TH AV INTERSECTS  
 602 Buck Marjorie S Mrs ©  
 392-1641

603 Anderson Wm P © 392-8942  
 604 Luzaich Pearl M Mrs ©  
 394-7590

605 Utities Edw J ©  
 605½ No Return  
 607 Renko Eug J © 394-4938  
 608 Granquist Carla J Mrs  
 394-5349

608½★Linski Wm  
 609 Leland Kenneth J © 394-9501  
 610 Vacant

610½★Johnson James L 394-3233  
 E 7TH AV INTERSECTS  
 701 Jacobsen Le Roy T ©  
 394-9646

703 Johnson Byron D © 394-4663  
 704 Johnson Fred G © 392-8518  
 705 Erickson John O © 392-6019  
 706 Johnson Jay A © 394-5309  
 707 Aker Richd L © 394-6839  
 708 Liljegen Wilbert H ©  
 392-1018

**TELEPROMPTER  
 CABLE TV**

Correspondence: 302 E. Superior St.

CUSTOMER INFORMATION - 722-2815

SERVICE - 722-1086  
 INSTALLATION - 722-3232  
 BILLING - 722-3833

(Duluth, MN)

**E 6TH ST—Contd**  
3718 Migalski Josephine ©  
398-3863  
3720 \* Petersen Gerald L 398-5185  
3722 Shears Lena Mrs © 398-3273  
3723 No Return  
3732 Nelson Evelyn N Mrs ©  
398-5691  
38TH AV INTERSECTS  
3816 Parenteau Gerald F ©  
398-5529  
3820 Salmi Frank O © 398-5318  
3821 Vacant  
39TH AV INTERSECTS

**6TH ST N —FROM CATLIN  
AV WEST 5 SOUTH OF 1ST  
ST**

ZIP CODE 54880  
701 Harrer Wesley L © 392-4839  
718 \* Wicklund Fred E 392-1201  
718½ \* Anderson Ronald L  
394-5822

722 Vacant  
722½ Vacant  
724 Vacant  
724½ Vacant

**FISHER AV INTERSECTS**  
802 Chapman James H ©  
394-3160

806 \* Rink James F © 394-5865  
808 Anderson Oscar W ©  
394-6794  
810 Collins Patk E © 392-1402  
812 Dodge Raymond D ©  
392-3120

**CLOUGH AV INTERSECTS**  
**WEEKS AV INTERSECTS**  
1004 Saint Louis Convent 392-8585  
**GRAND AV INTERSECTS**

1113 Beck Paul J © 392-1871  
1113½ Beck Paul M ©  
1124 Fagerlin Fuel coal & fuel oil  
394-5561

**BAXTER AV INTERSECTS**  
1201 Pleau Raymond G  
1201½ Robinson Alton O 392-2619  
1203 Shaw Cath C Mrs 394-7247  
1203½ Anderson Donald L  
392-8492  
1209 Lucia David 394-9270  
1209½ Quinn James L 394-7924  
1211 \* Hancock Germon D Jr  
394-7363

1211½ \* Berenstain Leo 394-5933  
1214 Park Place Homes  
(FOR NAMES SEE N 8TH ST  
AT CUMMINGS AV—  
CUMMINGS AV INTERSECTS

1303 Peterson Eleanor A Mrs ©  
394-7348

1306 Fagerlin Fuel (Garage)  
1310 Johnson Margaret D  
392-5492  
1312 Vacant  
1315 Raymond Thos F © 394-7195  
1317 Sayles Wm W © 394-9441

**HAMMOND AV INTERSECTS**  
1404 Hebrew Brotherhood  
Congregation synagogue  
394-7592

1415 Hartshorn Dorothy Mrs ©  
394-4559

**HUGHITT AV INTERSECTS**  
1501 Kinnee Earl T 392-1425  
1503 Simon John L  
1505 Hintz Theo A © 394-5065  
1507 \* Gotelaere James  
**JOHN AV INTERSECTS**  
1601-03 Cyr's Rooming House  
392-2649

1601 \* Lord Frank H Jr  
1603 Cyr Warner L © 392-2649

Apartments  
1a \* Olybrich John  
2a Sullivan Larry  
3a \* Corey Robt E  
4a Preston Lemuel  
5a Vacant  
6a \* Webber Fred  
7a Vacant  
8a \* Bruette Edw  
9a Vacant  
10a \* Raivala Richd S

1609 Apartments  
1b Smith Ben  
2b Watner Martin  
3b Lund Emil  
4b Carlson Harry  
5b \* Oman Gust  
6b Lans Karl  
7b Collette Frank  
8b \* Compton Richd  
9b Lamperi Anselmi  
10b Saline Thurston  
11b Wainio Tony  
12b \* Farr H K  
14b Lahti Hjalmar  
15b \* Fleischer Robt  
16b Vacant  
17b \* Eaton Wm  
18b Vacant

1610 City Fire Dept Hq 394-5545  
Fire Department Credit  
Union 394-5545  
Firemen's Relief Assn  
394-5545

**OGDEN AV INTERSECTS**  
1701 Kempinsky Glass & Paint Co  
394-5588

**TOWER AV INTERSECTS**  
1814 Clark Mary Mrs

**N 6TH ST—Contd**  
1823 Mathison Delphen C  
394-7555  
1824 Parzych Mary Mrs ©  
392-2259  
1825 Sallman Geo L 394-9102  
**BANKS AV INTERSECTS**  
1901 Superior Iron & Metal Co  
junk dlrs 394-3901

**7TH AV E —FROM 700 2D ST  
SOUTHWEST**

ZIP CODE 54880  
E 3D ST INTERSECTS  
305 No Return  
E 4TH ST INTERSECTS  
414 Lundsted James E ©  
392-1167

E 5TH ST INTERSECTS  
513 Koenig Claude S 392-3915  
E 6TH ST INTERSECTS  
606 Gall Joseph J © 394-3792  
609 Walker Juanita © 394-4979  
E 7TH ST INTERSECTS  
705 Nelson Mary D Mrs ©  
394-3772

706 Mather Gladys E Mrs ©  
392-1566  
723 Falstad Ralph L © 392-1825  
E 8TH ST INTERSECTS  
801 Torrey Wm C © 394-9016  
816 \* Hennekens Wm D ©  
392-5293  
817 Elmgreen J Maxfield ©  
392-8808

820 Borg Andy L © 394-4232  
823 Wick Gladys L Mrs ©  
394-7123

E 9TH ST INTERSECTS  
**MAPLE AV ENDS**  
**RASPBERRY AV BEGINS**

**7TH ST E —FROM HILL AV  
SOUTHEAST 5 SOUTHWEST  
OF 2D ST**

ZIP CODE 54880  
63 Pederson Dora V Mrs ©  
392-1155  
67 Erickson Carl I © 394-6031  
69 Anderson Manley © 392-4085  
E 1ST AV INTERSECTS  
**BELKNAP ST BEGINS**  
103 Lorimor Keith L © 392-3129  
104 Brokke Clarence A 394-3021  
\* Van Puymbrouck James  
392-2198  
106 Danielson Nels S © 394-3025  
107 \* Schroeder David 392-4597

108 Peters Warren W © 392-4943  
109 \* Hanna Tim 392-5268  
110 Hofstedt Lyle F © 394-5664  
E 2D AV INTERSECTS  
201 Vacant  
202 Dunbar Gifford G © 392-2112  
206 Clements Edith M Mrs ©  
394-4709

206½ \* Anderson Wm P  
Johnson Walter I 394-4179  
207 Clson Ernest A 394-7359  
209 Jenson Robt E © 392-2439  
211 Central Park Grocery  
394-9772

\* Mac Kay Julia © 794-9772  
211½ Karaba David E 394-3524  
E 3D AV INTERSECTS

302 \* Nadolski Richd © 392-4607  
303 Hulter Edw © 392-1657  
304 Borgh Robt V © 394-9457  
305 \* Sanford Richd C © 392-2778  
306 Patnode's Ray Confection Co  
whol candy 394-7603  
Patnode Raymond L ©  
394-7603

308 \* Chiles Floyd J © 392-5089  
309 Coppins Robt M © 392-1383  
310 Riabov Vera Mrs 392-3854  
311 \* Gates Lois Mrs 394-3456  
312 Riabov Sviatoslav N ©  
394-3339

320 King Samuel H © 394-3212  
E 4TH AV INTERSECTS  
400 Central Park  
401 Mc Pherson Eva W Mrs ©  
394-6253

403 Trauba Robt G © 394-3523  
405 Foley Newman C © 394-6581  
407 Murphy Mary J Mrs ©  
392-3220

E 5TH AV INTERSECTS  
503 Marquart Arth E © 392-3243  
505 Berg Irene A Mrs © 392-8777  
507 Erickson Bruce M © 394-7957  
509 Apartments

A Vacant  
B \* Gnoza Joseph 394-4021  
C \* Anderson David 392-4408  
Percival Mathilda O Mrs  
392-2266

E Dailey M Josephine 394-9698  
F \* Midbust Clara Mrs 394-4029  
G Kesting Edwin C 392-8328  
E 6TH AV INTERSECTS

602 Buck Roland C © 392-1641  
603 \* Vadnais Wm © 394-5461  
604 Luzaich Max N © 394-7590  
605 Hammer Ida M Mrs 392-1827  
605½ Hammer Donald W ©  
606 Luzaich Max M 394-9310  
607 Renko Eug J © 394-4938  
608 \* Citro Robt 394-3507  
\* Eder Patk 394-4565

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34

6TH ST E--Contd  
2407 MISCHKE RAYMOND H •  
398-5583  
2408 NYKANEN THOS T  
2408½ TIDERMAN LAWRENCE E  
398-3394  
2414 CHRISTOPHERSON FRANK  
JR • 398-3598  
2417 CADOTTE BLAIR S  
2418 PETERSON LEONARD M •  
398-6038  
2419 SHOFF LAURA MRS  
398-5045  
2420 FREDRICK VIRGINIA H  
MRS • 398-3241  
2421 KELLEY IDA C MRS  
398-3103  
2422 O'HARE KATE H •  
398-5092  
2423 ROBINSON EDITH A MRS  
398-6536  
2425 ANDERSON FLORENCE  
MRS 398-6312  
2427 BOYLE ANNA M MRS  
398-3671  
2429 SAINT MARS LOUISE  
MRS 398-3473  
2431 DODGE FLORENCE A MRS  
398-5219  
2433 LUNDEEN LILLIAN L  
MRS 398-5020  
---25TH AV INTERSECTS  
2528 SIMZEK CECILIA L MRS  
• 398-5725  
2532 CHRISTENSEN WM F  
398-5676  
---26TH AV INTERSECTS  
2606 VAN DAMME ROBT H  
398-3989  
2608 GRANDAHL VICTOR E •  
398-3449  
2614 BETTERMAN DVANE D •  
398-5046  
2617 LONGBERG H DEAN •  
398-5093  
2623 EVENSON MARY N MRS •  
398-5370  
2626 JACOBSON ORVILLE W •  
398-3509  
2630 JACOBSON ESTHER E  
MRS • 398-5295  
2631 SEAGREN AXEL •  
398-3314

2701 WEST GROVER C •  
398-3424  
2702 FLOWERS FRANKLIN C •  
398-5265  
2703 HENNESSY MAURICE F •  
398-6023  
2706 ANDERSON DAVID H •  
398-3207  
2707 TETZLAFF LEONHARD O  
• 398-5182  
2715 ZEKAS CHARLES B •  
398-6350  
2716 WEST JAMES A •  
398-5342  
2720 HARMER JAMES S •  
398-6046  
2721 MEYERS KENNETH M •  
398-3452  
2725 GLONEK RICH D R •  
398-6138  
2731 GALOON HILDUS MRS •  
398-6198  
---28TH AV INTERSECTS  
2803 ALHOLM LE ROY •  
398-5396  
2804 HOGLUND JOSEPHINE E  
MRS • 398-5330  
2806 BACKLUND VERNON C JR  
• 398-5089  
2808 GAULT JAMES E •  
398-5088  
2815 BEETCHER ELLA MRS •  
398-5642  
2816 UZELAC MIKE •  
398-3162  
2821 BEETCHER MINNIE A  
MRS • 398-5014  
2822 KNOWLES DONALD E •  
398-5778  
2825 JOHNSON IRVINE B •  
398-3965  
2827 MOORHOUSE MILLIE MRS  
•  
2828 MUNNINGS CLARENCE R  
• 398-3680  
2831 BAKER LYLE G •  
398-5570  
---29TH AV INTERSECTS  
2908 JOHNSON FRED G •  
398-3282  
2909 NELSON KATH A MRS •  
398-3285  
2916 LOHMAN MYRON H •  
398-6090

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6TH ST E--Contd  
2923 WESTLAND GORDON •  
398-6190  
2924 MARYANOVICH WALTER L  
• 398-5870  
2926 LE PAGE ROBT E •  
398-3976  
2927 LIER LILLIAN M MRS •  
398-5024  
---30TH AV INTERSECTS  
3016 OSTAZESKI STANLEY A  
• 398-3861  
---31ST AV INTERSECTS  
---32D AV INTERSECTS  
---RIVER ST INTERSECTS  
---36TH AV INTERSECTS  
3614 RADLOFF HENRY C •  
398-5912  
3622 VACANT  
---37TH AV INTERSECTS  
3704 REALY SAML M  
398-3995  
3715 COWAN KAY MRS •  
3718 MIGALSKI JOSEPHINE •  
398-3863  
3720 GOBIN LE ROY C  
398-6344  
3722 SHEARS LENA MRS •  
398-3273  
3723 STARKEY CLARA L MRS  
•  
3724 SILBERG OLGA M MRS •  
3732 NELSON JOS 398-5691  
---38TH AV INTERSECTS  
3816 PARENTEAU GERALD F •  
398-5529  
3820 SALMI FRANK O •  
398-3540  
3821 CHRISTIANSON  
CHRISTIAN. •  
398-6514  
---39TH AV INTERSECTS  
-----  
6TH ST N --FROM CATLIN AV  
WEST, 5 SOUTH OF 1ST ST  
---ZIP CODE 54880  
701 HARRER WESLEY L •  
392-4839  
718 VACANT

718½ VACANT  
722 PATRICK RICH D  
722½ ANDERSON HILDING S  
394-3987  
724 NELSON ALF  
RABBITT MARY MRS  
724½ NELSON DOCK  
---FISHER AV INTERSECTS  
802 CHAPMAN JAMES H •  
394-3160  
806 VACANT  
808 ANDERSON OSCAR W •  
394-6794  
810 NYBERG JAMES E  
392-3679  
812 DODGE RAYMOND D •  
392-3120  
---CLOUGH AV INTERSECTS  
---WEEKS AV INTERSECTS  
1004 SAINT LOUIS CONVENT  
394-5045  
1013 JONES FRED R •  
392-8737  
---GRAND AV INTERSECTS  
1113 BECK PAUL J •  
392-1871  
1113½ BECK PAUL M •  
394-6755  
1124 FAGERLIN FUEL COAL &  
FUEL OIL • 394-5561  
---BAXTER AV INTERSECTS  
1201 PLEAU RAYMOND G  
1201½ ROBINSON ALTON D  
392-2619  
1203 VACANT  
1209 LUCIA DAVID  
1209½ VACANT  
1211 VACANT  
1214 PARK PLACE HOMES  
---(FOR NAMES SEE N 8TH  
ST AT CUMMINGS AV  
---CUMMINGS AV INTERSECTS  
1303 PETERSON GED J •  
394-7348  
1306 FAGERLIN FUEL  
(GARAGE)  
1310 LANCOUR JOHN L  
394-3051  
1312 OJALA WALTER H  
394-9292  
1315 PAYMOND THOS F •  
394-7195  
1317 SOYLES WM W •  
394-9441

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 1608 TOWER AV. EXport 4-7241

6TH E—Contd  
 2020 Greely Wm H @ EX8-3638  
 2023 Doherty Peter O @ EX8-5881  
 2024 Hursh Orval C @ EX8-3623  
 2026 Branzell Edw B @ EX8-3554  
 2028 Brown Ira A @ EX8-5389  
 2029 Zion Evangelical Lutheran Ch EX8-3663  
 21st av Intersects  
 2101 Servicemaster rug clns EX8-6096  
 Maki Melvin L @ EX8-6096  
 2102 Kenough Edw J @ EX8-3866  
 Kenough Bros contrs EX8-3866  
 2102½ Retzer Henry EX8-3122  
 2106 Wood Kenneth @ EX8-5588  
 2106½ Sjoquist Bert W  
 2107 Apartments  
 1 Weiler Wm J @ EX8-5206  
 2 Peterson Anna L EX8-3667  
 3 Wilson Arlene E EX8-3667  
 Street continued  
 2110 Moyer Ronald J EX8-5794  
 2113 Gsutaason Edw I @ EX8-5093  
 2114 Lenfesty Clyde L @ EX8-5011  
 2117 Black Wm P @ EX8-3885  
 2118 Anderson Ruth C Mrs @ EX8-5284  
 2120 Stranko Jos S @ EX8-3960  
 2122 Helske Klaus W @ EX8-3872  
 2123 Coda Anthony L @ EX8-3953  
 2125 Walker Mark S @ EX8-5931  
 2128 Hartman Robt N @ EX8-5266  
 2131 Johnson Raymond C @ EX8-5774  
 22d av Intersects  
 2206 Pesark Geo F @ EX8-5779  
 2211 Fredrick Edwin J @ EX8-3974  
 2213 Lindquist Byron @ EX8-5697  
 2214 Nelson Ronald C @ EX8-3677  
 2215 Plalsted Melvin K @ EX8-3403  
 2217 Strohman Cath Mrs @ EX8-3340  
 2220 Smedberg Emil EX8-3932  
 2223 McKay JoAnn Mrs EX8-6573  
 2224 Vacant  
 2226 Falardeau Jos E EX8-5218  
 2226½ Haworth Allen O EX8-3854  
 23d av Intersects  
 2309 Furst Grover C @ EX8-6098  
 2315 Mattson Melvin R @ EX8-5821  
 2317 Nelson Dell R EX8-6567  
 2321 Rue Martin B @ EX8-3912  
 2327 Anderson Geo L @ EX8-3993  
 2331 VanPuymbrouck Marvin H @ EX8-3302  
 24th av Intersects  
 2402 Zachau Frank D @ EX8-3843  
 2403 Loomis Clyde A @ EX8-3891  
 2403½ Vacant  
 2407 Mischke Raymond H @ EX8-5583  
 2408 StMars Louis G EX8-3946

2408½ Tilderman Lawrence E EX8-3394  
 2414 Christopherson Frank W jr @ EX8-3598  
 2417 Sullivan Chas @ EX8-5933  
 2418 Peterson Leonard M @ EX8-6039  
 2420 Fredrick Alvin G @ EX8-3241  
 2422 O'Hare Kate H @ EX8-5092  
 25th av Intersects  
 2528 Slmzek Walter F @ EX8-5725  
 2532 Krsiak Gary J EX8-5130  
 26th av Intersects  
 2606 VanDamme Robt H EX8-3989  
 2608 Grandahl Victor E @ EX8-3449  
 2614 Elliott Mary E @ EX8-3860  
 2617 Ronchak Eug D @ EX8-6003  
 2623 Evenson Edw @ EX8-5370  
 2626 Jacobson Orville W @ EX8-3509  
 2630 Jacobson Esther E Mrs @ EX8-5295  
 2631 Vacant  
 2701 West Grover C @ EX8-3424  
 2702 Flowers Frank C @ EX8-5265  
 2703 Hennessy Maurice F @ EX8-6023  
 2706 Niemi Wm E EX8-3379  
 2707 Tetzlaff Leonard O @ EX8-5182  
 2715 Zekas Chas B @  
 2716 West Jas A @ EX8-5342  
 2720 Harmer Jas S @ EX8-6046  
 2721 Johnson Gerald A EX8-5772  
 2725 Glonek Richd R @ EX8-6138  
 2731 Galoon Hildus Mrs @ EX8-6198  
 28th av Intersects  
 2803 Anderson Mathilda K Mrs @ EX8-5211  
 2804 Hoglund Josephine E Mrs @ EX8-5330  
 2806 Backlund Vernon C Jr @ EX8-5089  
 2808 Gault Jas E EX8-5088  
 2809 Hohm Kermit A EX8-5698  
 2815 Beecher John W @ EX8-5642  
 2816 Flaten Donald @ EX8-3820  
 2821 Beecher Minnie A Mrs @ EX8-5014  
 2822 Knowles Donald E @ EX8-5778  
 2825 Johnson Irvine B @ EX8-3965  
 2827 Preston Eileen Mrs @ EX8-3681  
 2828 Munnings Clarence R @ EX8-3680  
 2831 Baker Lyle G @ EX8-5570  
 29th av Intersects  
 2908 Johnson Fred G @ EX8-3282  
 2909 Nelson Kath Mrs @ EX8-3285  
 2916 Hunter Don F @ EX8-5154  
 2923 Dahlquist Hilding F @ EX8-3162

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6TH E—Contd  
 2924 Maryanovich Walter L @ EX8-5870  
 2926 Garrison Ernest A @ EX8-3148  
 2927 Lier Lillian M Mrs @ EX8-5024  
 30th av Intersects  
 3016 Ostazeski Stanley A @ EX8-3861  
 31st av Intersects  
 32d av Intersects  
 River Intersects  
 36th av Intersects  
 3614 Radloff Henry C @ EX8-5912  
 3622 Westermeyer LeRoy EX8-3642  
 37th av Intersects  
 3704 Realy Saml M EX8-3995  
 3715 Vacant  
 3718 Migalski Josephine @ EX8-3863  
 3720 Gobin LeRoy C EX8-6344  
 3722 Shears Lena Mrs @ EX8-3273  
 3723 Juvellin Elna S @ EX8-5789  
 3724 Silberg Olga M Mrs @  
 3732 Raboin Paul M @ EX8-3911  
 3816 Heytens Roger D @ EX8-5800  
 3820 Salmi Frank O @ EX8-3510  
 3821 Christianson Christian @ EX8-5136  
 39th av Intersects  
 3  
 6TH N — From Cathl av west to Banks av, 5 south of 1st  
 701 Harrer Wesley L @ EX2-4839  
 714 Yndon Fredk W  
 716 Gokoey Gregory L  
 718 Kulser JoAnn Mrs EX4-6269  
 718½ Peterson Richd J  
 722½ McNaughton Joyce Mrs  
 722½ Anderson Hilding S EX4-3987  
 724 Vacant  
 724½ Vacant  
 Fisher av Intersects  
 802 Chapman Jas H @ EX4-3160  
 806 Modern Arth W @ EX2-1677  
 808 Anderson Oscar W @ EX4-6794  
 810 Swenson Irving E @ EX2-4997  
 812 Dodge Raymond A @ EX2-3120  
 Clough av Intersects  
 Weeks av Intersects  
 1003 StLouis Catholic Church  
 1004 StLouis Convent EX4-5045  
 1013 Jones Fred R @ EX2-8737  
 Grand av Intersects  
 1113 Beck Paul J @ EX2-1871  
 1113½ Beck Paul M @ EX4-6755  
 1124 Fagerlin Fuel Co EX4-5561  
 Baxter av Intersects  
 1201 Vacant  
 1201½ Vacant  
 1203 Vacant  
 1203½ Robinson Alton O EX2-2619

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 1414 BELKNAP EXport 4-7754

1209 Mehtala Raymond M EX2-3764  
 1209½ Bukovich Gerald  
 1211 Schultek Jas E EX4-7440  
 1211½ Vacant  
 1214-22 Park Place Homes (For names see N 8th at Cumming av)  
 Cumming av Intersects  
 1302 Fagerlin Fuel Co garage  
 1303 Peterson Geo J @ EX4-7348  
 1310 Lancour John L EX4-3051  
 1312 Ojala Walter H EX4-5423  
 1315 Raymond Thos F @ EX4-7195  
 1317 Sayles Wm W @ EX4-9441  
 1  
 Hammond av Intersects  
 1401 Anderson Donald L EX4-3862  
 1404 Agudas Achim Congregation Hebrew Brotherhood Congregation  
 1405 Jacobson Elroy C EX4-9579  
 1407 Rantala Jeanette Mrs  
 1409 Hill Richd  
 1411 Burnham June Mrs EX2-1660  
 1413 Vacant  
 1415 Hartshorn Camiel J @ EX4-4559  
 Hughitt av Intersects  
 1501 Little Gladys M Mrs EX2-3617  
 1503 Simon John L  
 1505 Kinnee Helen A Mrs EX4-5065  
 1507 Johnson Arnold A EX4-5008  
 1514 Vacant  
 John av Intersects  
 1601-11 Kastern's Rooming House EX4-3592  
 Kastern Roman J @ EX4-3592  
 1610 Fire Dept Credit Union EX4-5545  
 Fire Dept Relief Assn EX4-5545  
 1610-12 Fire Dept Headquarters EX4-5545  
 Ogden av Intersects  
 1701 Kempinsky Glass & Paint Co EX2-1922  
 1706 Vacant  
 1706½ Arseneau Alex J EX2-3681  
 1708 Apartments  
 1 Vacant  
 2 Vacant  
 3 Tireman Viola B  
 4 Vacant  
 Street continued  
 1710 Vacant  
 1710½ Rinnet Oliver I  
 Tower av Intersects  
 1814 Vacant  
 1823 Mathison Delphen C EX4-7555  
 1824 Murphy John A @ EX2-8606  
 1825 Easton Wm H EX2-2652  
 Banks av Intersects  
 1901 Superior Iron & Metal Co Junk dlrs EX4-3901

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 Blanketing All of Superior and Northern Wisconsin  
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 RANDOLPH 2-1227, Duluth

**Lignell Rexall Drugs**  
 "Prescriptions Accurately Filled — Conscientiously Priced"  
 1022 Tower Av. Phone EXport 2-4722

# ROTH BROTHERS COMPANY

## DEPARTMENT STORE

1321-1329 Tower Ave. Tel. EXport 4-7711 Superior, Wis.

6TH E—Contd  
 1530ΔHolman Victor M @  
 1531ΔForsjord Andrew @  
 16th av intersects  
 1601ΔSmith Irene M Mrs @  
 1604ΔLeland Edwin @  
 1608 No return  
 1613ΔIsaacson Clarence R @  
 1615ΔLund John S @  
 1616ΔPaulson Lloyd @  
 1618ΔJacobson Alton J @  
 1623ΔHorst Helen W @  
 1624 No return  
 1625ΔWild John B Rev  
 1626ΔColborn Howard G @  
 1629ΔLevens Dewayne G @  
 1632ΔGreene Thos J @  
 17th av intersects  
 1704ΔHowenstine Stanley C @  
 1706ΔAxt Wm E @  
 1709ΔStreet Alf S @  
 1713ΔMcDonald Jos A @  
 1716ΔBoss Eug S @  
 1720ΔBergstrom John A @  
 1723ΔAmundson Frayden V @  
 1724ΔJanoski Michl J @  
 1727ΔCheever Roger W @  
 1732ΔDeMars Carl E @  
 18th av intersects  
 1802ΔNelson Wm T @  
 1808ΔLindstrom Oscar W @  
 1810ΔMorin Peter E @  
 1816ΔReynolds Wm J @  
 1822ΔDault Bernard J @  
 1826ΔMcEwen Anna F Mrs @  
 1832ΔGray Cyril A @  
 19th av intersects  
 1902ΔForness Norman J @  
 1903ΔStark Jos B @  
 1905ΔHarris Robt G @  
 1908ΔStark W T @  
 1911ΔChristenson Marvin E @  
 1912ΔHickson Jas F @  
 1915ΔRemus Frank F @  
 1916ΔStark Gertrude F Mrs @  
 1917ΔMcTaggart Alex W @  
 1920 Vacant  
 1923ΔEast Richd B @  
 1924ΔNorlin Herbert E @  
 1927ΔBaker Wm A @  
 1929ΔWalters Geo E @  
 1930ΔPaulus Willa M Mrs @  
 20th av intersects  
 2004ΔHeydon Harry W @  
 2006ΔFonger Robt D @  
 2006½ΔVechell Danl M  
 2010ΔLaValley Alf J @  
 2010½ΔKelleher Gene J  
 2011ΔVelin Mark H @  
 2013ΔLaValley Emanuel M @  
 2013½ΔLaValley Helen C Mrs  
 2014ΔAnderson John B @  
 2017ΔAnderson Cole @  
 2018ΔStranko Jas @  
 2019ΔOlsen Richd D

2020ΔTarble Leslie E @  
 ΔGreely Wm H  
 2020½ No return  
 2023ΔDoherty Peter O @  
 2023½ No return  
 2024ΔHursh Orval C @  
 2026ΔBranzell Edw D @  
 2028ΔBrown Ira A @  
 2029ΔZion Evangelical Lutheran  
 Ch  
 2030 Vacant  
 2101ΔWelter Wm J @  
 21st av intersects  
 2102ΔKeaough Edw J @ contr  
 ΔRetzer Henry  
 2106ΔWood Kenneth R @  
 2106½ΔTappen Milton H  
 2107 Apartments  
 1ΔWelter Gertrude I Mrs @  
 2ΔPeterson Anna L  
 3ΔUline Jas  
 4ΔHendrickson Edw A  
 Street continued  
 2110ΔSwalim Amos A @  
 2113ΔGustafson Edw I @  
 2114ΔLenfestey Clyde L @  
 2117ΔBlack Wm P @  
 2118ΔAnderson Ruth Mrs @  
 2120ΔStranko Jos S @  
 2122ΔHelske Klaus W @  
 2123ΔCoda Anthony L @  
 2125ΔWalker Mark S @  
 2128ΔHartman Robt N @  
 2131ΔJohnson Raymond C  
 2131½ΔHubert Franklin D  
 22d av intersects  
 2206ΔPesark Geo F @  
 2211ΔFredrick Edwin J @  
 2213ΔJohnson Anna Mrs @  
 2214ΔNelson C Ronald @  
 2215ΔPeterson Bertie H Mrs  
 2217 Strohmman Kathryn Mrs @  
 2220ΔLaffitte Rose A @  
 2223ΔTeenquist Axel  
 2223½ΔLavin Eug R  
 2224ΔPlasch Richd  
 2226ΔChandler Donald C  
 2226½ Lindquist Byron E  
 23d av intersects  
 2309ΔFurst Grover C @  
 2317ΔAnderson Luther W  
 2321ΔRue Martin B @  
 2327ΔAnderson Geo L @  
 2331ΔVanPuymbrouck Marvin H @  
 24th av intersects  
 2403ΔLoomis Clyde A @  
 2403½ Kuhlman Harry P  
 2407ΔFitzgibbons Roy L @  
 2408ΔTiderman Lawrence E  
 ΔStMars Louis G  
 2414ΔChristopherson Frank W jr @  
 2414½ΔNewman Donald A  
 2417ΔCole Allan B  
 2418ΔFaith Chester G @  
 2420ΔFredrick Alvin G @  
 2422ΔO'Hare Kath @  
 25th av intersects

# CENTRAL COOPERATIVES, INC.

Wholesale Grocers, Jobbers, Bakers, Coffee Roasters and Feed Mfrs.  
 Offices and Warehouses Phone EXport 4-7721 Bakery  
 1901 Winter St. Duluth, RAndolph 7-2957 1101 N. 5th

6TH E—Contd  
 2528ΔSimzek Walter F @  
 2528½ΔJohnson Howard  
 2532ΔMcKay John A @  
 26th av intersects  
 2606ΔVanDamme Robt H @  
 2608ΔHaines Barney B @  
 2614ΔElliott Wm B @  
 2617ΔRonchak Eug D @  
 2623ΔEvenson Edw @  
 2626ΔJacobson Orville W @  
 2630ΔJacobson Esther E Mrs @  
 2631ΔEly Roland C @  
 ΔEly Refgr Serv  
 2701ΔWest Grover C @  
 2702ΔFlowers F C @  
 2703ΔCloutier Eustace H @  
 2706ΔMarello Itano  
 2707ΔTetzlaff Leonhard O @  
 2715ΔHennessy John B @  
 2716ΔLien Leo M @  
 2721ΔMoran Richd L  
 2725ΔGlonck Thos F @  
 2731ΔGaloon Hildus Mrs @  
 28th av intersects  
 2803ΔAnderson Mathilda K Mrs @  
 2804ΔHoglund Josephine E Mrs @  
 2806ΔBacklund Vernon C jr @  
 2808 Vacant  
 2809ΔHolium Kermit A  
 2815ΔBeetcher John W @  
 2816ΔGray Chas T @  
 2821ΔBeetcher Minnie A Mrs @  
 2822ΔKnowles Donald E @  
 2825ΔJohnson Irvine B  
 2827ΔJohnson Carl @  
 2828ΔMunnings Clarence R @  
 2831ΔBaker Lyle G @  
 29th av intersects  
 2908ΔJohnson Fred G @  
 2909ΔNelson Nels G @  
 2916ΔHagen Andrena M Mrs @  
 2923ΔDahlquist Hilding F @  
 2924ΔMaryanovich Walter L @  
 2926ΔEstling Esther A Mrs @  
 2927ΔLear Howard W  
 30th av intersects  
 3016ΔOstazeski Stanley A @  
 31st and 32d avs intersect  
 River and 36th av intersect  
 3614ΔRadloff Henry C @  
 3622ΔNoyes Roland W  
 37th av intersects  
 3715 No return  
 3718ΔMigalski Josephine @  
 Karo Frances Mrs  
 3720 No return  
 3722ΔShears Lena Mrs @  
 3723 Jurvelin Eino S @  
 3724 Silberg Olga Mrs @  
 3732ΔRaboin Paul M @  
 38th av intersects  
 3816ΔJohnson Edw E @  
 3820ΔSahmi Frank O @  
 3821 Christianson Christian @  
 39th av intersects

6TH N — From Catlin av west to  
 Banks av, 5 south of 1st  
 701ΔHarrer Wesley L @  
 714ΔHanson Ernest  
 716ΔChristiansen Walter J  
 718ΔStolpe Carl V  
 718½ No return  
 722ΔHicks Hobert U  
 722½ΔAnderson Hilding S  
 724ΔMattson Harold  
 724½ Vacant  
 Fisher av intersects  
 802ΔChapman Jas H @  
 806ΔModden Arth W @  
 808ΔAnderson Oscar W @  
 810ΔSwenson Irving E @  
 812ΔDodge Raymond A @  
 Cough av intersects  
 901ΔMcNabb Grocery  
 ΔMcNabb Andrew @  
 909 Brown Lea E  
 909½ Brown Howard L  
 920ΔEricsson Elem Sch  
 Weeks av intersects  
 1003ΔStLouis Catholic Ch  
 1004 StLouis Convent  
 1013ΔJones Fred R @  
 Grand av intersects  
 1113ΔBeck Paul J @  
 1113½ΔBeck Paul M  
 1124ΔFagerlin Fuel Co  
 Baxter av intersects  
 1201ΔShervy Ingvald N  
 1201½ No return  
 1203 Kummer Ida A  
 1203½ΔSmith Peter W  
 1209ΔLien Christian M  
 1209½ΔJohnson Andrew A  
 1211ΔSchultek Jas E  
 1211½ΔPierce Jas F  
 1214-22 Park Place Homes  
 (For names see N 8th at  
 Cummings av)  
 Cummings av intersects  
 1302 Vacant  
 1303 No return  
 1303½ΔBuck Jos E  
 1312ΔPeterson Andrew A  
 1315ΔRaymond Thos F @  
 1317ΔSayles Wm W @  
 Hammond av intersects  
 1401ΔRanta Tiova E  
 1404 Agudas Achim Congregation  
 Hebrew Brotherhood Con-  
 gregation  
 1405ΔJohnson Richd E  
 1407 Prendergast John R  
 1409ΔSenn Vilas  
 1411ΔSmith Ethel E Mrs  
 1413 Vacant  
 1415ΔHartshorn Camiel J @  
 Hughtitt av intersects  
 1501ΔLittle Gladys M Mrs  
 1503ΔKaarate Arvid  
 1505ΔKinnee Helen A Mrs

# STACK and COMPANY

A Great Store in a Great City

1309-11 TOWER AVE.

PHONES 4418-4419

6TH E—Contd  
 2019ΔRemus Gust F @  
     ΔBeggs Allen D  
 2020ΔFarble Leslie E @  
 2020½ΔBrow Francis X  
 2023ΔLambert Walter A  
     ΔTiderman June L Mrs  
 2024ΔLambert Wm S @  
 2026ΔBransell Edw D @  
 2028ΔBrown Ira A @  
 2029ΔZion Evangelical Luthern  
     Ch  
 2030ΔConcordia Norwegian Chapel  
 2101 Vacant  
     21st av intersects  
 2102ΔKeough Edw J @ pntr  
     ΔPooler Donald L  
 2106ΔWood R Kenneth @  
 2106½ Vacant  
 2107ΔWelter Jos F @  
     Paulson Gordon W  
     Peterson Anna A @  
 2110ΔSwaim Amos A @  
 2113ΔGustafson Ew I @  
 2114ΔLentestey Clyde L @  
 2117ΔWold John L @  
 2118ΔAnderson Axel H @  
 2120 Stranko Jos S @  
 2122ΔBanks Clarence B  
 2123ΔCoda Anthony L @  
 2125ΔWalker Mark S @  
 2128ΔLennox Geo E  
 2131ΔHawkins Cecelia M Mrs @  
     ΔOsborne John H  
     22d av intersects  
**2206ΔPesark Geo J**  
 2211ΔFredrick Edwin J @  
 2213ΔPaquette Geo A @  
 2214ΔNelson Clarence R @  
 2215ΔSorensen Russell H @  
 2217ΔPederson Lester I @  
 2220ΔLaffitte Rose A @  
 2223ΔTeenquist Axel  
 2223½ΔAnderson Elmer A  
 2224ΔDault Bernard J  
 2226ΔAndrosky John E  
 2226½ΔLier Clarence E @  
     23d av intersects  
 2309ΔFurst Grover C @  
 2317ΔWard Jane F Mrs @  
 2321ΔMcFarlin J Roy @  
 2327ΔAnderson Geo L @  
 2331ΔVanPuybronck Marvin H @  
     24th av intersects  
 2402ΔZachau Frank D @  
 2403ΔLoomis Clyde A @  
     Shears Wm J Int dec  
 2407 Moffett Jas @  
 2408ΔTiderman Lawrence E  
 2414 Vacant  
 2417ΔJohnson Stanley B @  
 2418ΔNelson Albh E @  
 2420 Frederick Alvin G @  
 2422ΔO'Hare Chas N @  
     25th av intersects  
 2528ΔLent Mary E Mrs @  
 2532ΔMcKay John A @  
     26th av intersects  
 2606 VanOvermelrn Peter F @  
 2608ΔRich Peter @  
 2614ΔElliott Wm B @  
 2617ΔKornstad Geo B @  
 2623ΔScanlon Theo R @  
 2626ΔJacobson Orville W @  
 2630ΔJacobson Esther E Mrs @  
 2631ΔEly C Roland @  
     27th av intersects  
 2701ΔWest Grover C @  
 2702ΔFlowers Franklin C @  
 2703ΔCloutier Eustace H @

2706ΔMarello Itano  
 2707ΔTetzlarf Leonard O @  
 2715ΔHennessy John B @  
 2716ΔLien Leo M @  
 2721ΔMattison Ray  
 2725ΔGionek Thos F @  
 2731ΔGaloon Chas W @  
     28th av intersects  
**2803ΔAnderson Anton E @**  
 2804ΔHoglund Reuben V @  
 2806ΔKrier Lawrence N @  
 2808ΔOlson Kenneth A @  
 2809ΔHolum Kermit A  
 2815ΔBeetcher John W @  
 2816ΔGray Chas T @  
 2821ΔBeetcher Minnie A Mrs @  
 2822ΔKnowles Donald E @  
 2825ΔHolt Albert @  
 2827ΔJoyce Wm E @  
 2828ΔMunnings Clarence R @  
 2831ΔLenaghan Hazel I Mrs @  
     29th av intersects  
 2908ΔJohnson Fred G @  
 2909ΔNelson Nels G @  
 2916ΔHagen Andrena M Mrs @  
 2923ΔLear Howard W @  
 2924ΔMaryanovich Walter L @  
 2926ΔEstling Esther A Mrs @  
 2927ΔLier Lillian M Mrs @  
     30th av intersects  
 3016ΔOstazeski Stanley A @ 10  
     31st and 32d avs intersect  
     River and 36th av intersect  
**3614ΔAito Geo W @**  
**3622ΔJones Clarence D**  
     37th av intersects  
 3715 No return  
 3718ΔMikalski Josephine @  
 3720ΔBalcer Jos E  
 3722ΔShears Adolph M @  
 3723ΔJurvelin Donald R @  
 3724 Silberg Olga Mrs @  
     ΔDavid Everett  
 3732ΔBunt Esther L Mrs @  
     38th av intersects  
 3816ΔWright Lambert A @  
 3820ΔSalmi Frank O @  
 3821 No return  
     39th av intersects  
**6TH N — From Cadlin av west to**  
     Banks av, 5 south of 1st  
 701ΔHarrer Wesley L @  
 714ΔHanson Ernest  
 716ΔChristiansen Walter J  
 718ΔStolpe Emma K Mrs  
 718½ Norman Thos G  
 722ΔPeterson Rose Mrs  
 722½ΔMoe Wayne M  
 724ΔPlunkett Robt D  
 724½ΔRynning Wilhelm E  
     Fisher av intersects  
 802ΔChapman Jas H @  
 806ΔModen Arth W @  
 808ΔAnderson Oscar W @  
 810ΔSwenson Irving E @  
 812ΔDodge Raymond D @  
     Clough av intersects  
 901ΔMcNabb Grocery  
     ΔMcNabb Andrew  
     909 Semanko Gilbert  
     909½ Stanton Chas C  
 920ΔEricsson Elementary School  
     Opportunity School  
     13  
     Weeks av intersects

# SUPERIOR NATIONAL BANK

Established 1897

Member Federal Deposit Insurance Corp.

EAST END

SUPERIOR, WIS.

6TH N—Contd  
 1003ΔSt.Louis Catholic Church  
 1013ΔJones Fred R @  
 1019 Cullen Edw D @  
     Grand av intersects  
 1113ΔCarlson Alf C @  
     ΔLahdy Lydia Mrs  
 1123 Church fo the Nazarene  
 1124ΔFagerlin Fuel Co  
     Baxter av intersects  
 1201ΔShervy Ingvald N  
     ΔKansas Wm W  
 1201½ΔKansas Wm W  
 1203 Axelson Elvi K Mrs  
 1203½ΔBeck Paul M  
 1209ΔLien Christian M  
 1209½ΔJohnson Andrew A  
 1211ΔNoble Jos R  
 1211½ΔPierce Jas F  
 1214-22 Park Place Homes  
     (Fo names see N 8th at  
     Cumming av)  
     Cumming av intersects  
 1302 Vacant  
 1303ΔThomas Antoinette Mrs @  
     Malmquist Karl F  
 1310ΔKarl Edwin @  
 1312ΔHarstad Oscar G  
 1315ΔRaymond Thos F @  
 1317ΔArseneau Clifford L @  
     Hammond av intersects  
 1401 Hiltunen Victor T  
 1404 Agudas Achlm Congregation  
     Hebrew Brotherhood Con-  
     gregation  
 1405ΔGross Abr  
 1407ΔGoldberg Harry cattle dir  
 1409ΔBaka Emil J  
 1411ΔMerila Aaron  
 1413 Hartshorn Lucille Mrs  
 1415 Hartshorn Camiel J L @  
     Hughitt av intersects  
 1501 Gallent Ralph  
 1505ΔBanker Albert C @  
 1507ΔPeterson Petra Mrs  
 1514ΔHilger Jos M  
     John av intersects  
 1601-11 Peterson Anna K Mrs @  
     furn rms  
 1610-12ΔEngine Co I  
     ΔFire Dept Credit Union  
     Fire Dept Relief Assn  
     ΔFire Dept Headquarters  
     ΔTruck Co I  
 1614ΔRoberts Edw  
     15  
     Ogden av intersects  
 1701ΔKempinsky Glass & Paint  
     Co  
 1706 Vacant  
 1706½ΔWiss Edw S  
 1708 Apartments  
     1ΔArseneau Alex J  
     2ΔBurgner Martha L Mrs  
     3ΔOkash Michl M  
     4ΔCampbell Mary Mrs  
     5ΔKinnaman Wm J  
 Street continued  
 1710 Fortin Geo T  
     ΔCibrk Steph J  
 1711 Vacant  
     16  
     Tower av intersects  
 1814ΔParzych Stanley P @  
 1815 Vacant  
 1823 Vacant

1824ΔStuper Esther A Mrs @  
 1825ΔGoldberg Donald O 11  
     Banks av intersects  
 1901ΔSuperior Iron & Metal Co 7  
     Ivan & Alco 11  
**6TH AV E—From 600 2d southwest**  
**to junction of 9th and Laurel**  
**avs**  
     2d and 4th intersect  
 309ΔLincoln School  
 401ΔHunter Helen A Mrs @  
     ΔHunter Wayne B  
     5th intersects  
 501 Glenn's Texaco Sta  
 507ΔOlson Lloyd M @  
 509ΔPlinn Jas A @  
 514ΔBraun Frank J @  
     6th intersects  
     7th intersects  
 710ΔSmith Theo R @  
 714ΔGates Clough @  
     8th intersects  
 812ΔSchreiber Edwin H @  
     9th intersects  
**7TH E—From Hill av southeast to**  
**35th av and from 37th av to**  
**limits, 5 southwest of 2d**  
 67 Erickson Carl I @  
 69ΔAnderson Manley @  
     1st av intersects  
     Belknap begins  
 103ΔBoss Anna S Mrs @  
 104ΔHolstrom Rueben J @  
     Anderson Wm J  
     ΔHavdal Fredk F  
 107ΔPearson Nels M  
 108ΔConroy Henry S @  
 109ΔJohnson Henry O  
 110ΔWhipple Helen E Mrs @  
     2d av intersects  
 201ΔKimball Edna G @  
 202 Lonk Rowland W @  
 206ΔClements Edith Mrs @  
     ΔEmerson Agnes  
     ΔEllison Earl  
 206½ΔZachau Robt E  
 207ΔMcKay Jas C @  
 209ΔJensen Robt E @  
 211ΔCage Duncan S  
     Cage Mary A Mrs gro  
 211½ Ford Chas  
     3d av intersects  
 302ΔSell Wm R @  
 303ΔHulter Mathilda Mrs @  
 304ΔBenson Geo A @  
 306ΔMiller LeRoy T @  
 308ΔLonnstrom Edgar W @  
 308ΔCopins Robt M @  
 310ΔLindquist Oscar E  
 311ΔJohnson Kenneth R @  
 312ΔSchultz Walter H @  
 320ΔWeisberg Jos H @  
     4th av intersects  
 400 Central Park  
 401ΔMcPherson LeRoy @  
 403ΔEkholm Wallace H @  
 405ΔMcGettigan Ray D @  
 407ΔHockey Lawrence H @  
     5th av intersects  
 503 Edburg Wallace C  
 505ΔBerg Rutelle W @  
 509ΔSudstrom & Johnson gro and  
     meats

**ROTH BROTHERS COMPANY**  
DEPARTMENT STORE

1321-1329 Tower Ave. Phone 7711 Superior, Wis.

6TH E—Contd  
2909<sup>2</sup>Nelson Nels G  
2916<sup>2</sup>Hagen Anton P  
Hagen Harold W  
2923 Lear Howard W  
2924<sup>2</sup>Wiegert Carl T  
2926<sup>2</sup>Estling Wm  
2927<sup>2</sup>Lier Lillian Mrs  
30th av intersects

3016<sup>2</sup>Ostazeski Stanley A

10  
31st and 32d avs intersect  
River and 36th av intersect  
3614<sup>2</sup>Alto Geo W  
3622<sup>2</sup>Harris Geo R

37th av intersects  
3715<sup>2</sup>Cowan Frank B  
3718 Migalski Josephine  
3720<sup>2</sup>Balcer Jos  
3722<sup>2</sup>Shears Adolph M  
3723<sup>2</sup>Harrington John W  
3724 Silberg Olga Mrs  
Maki Arth  
3732<sup>2</sup>Bunt Esther Mrs

38th av intersects  
3816<sup>2</sup>Wright Lambert A  
3820<sup>2</sup>Salmi Frank O  
3821 Christianson Christ  
39th av intersects

14  
6TH N — From Catlin av west to

Banks av, 5 south of 1st  
701<sup>2</sup>Harrer Wesley L  
714<sup>2</sup>Anderson Ernest  
716<sup>2</sup>Pearson Leslie E  
718<sup>2</sup>Stolpe Emma K Mrs  
718<sup>1</sup>Carlson Kenneth G  
722<sup>2</sup>Peterson Ole  
Stolpe Alex F  
724<sup>2</sup>Erickson Ray E  
724<sup>1</sup>Rynning Wilhelm E

Fisher av intersects  
802<sup>2</sup>Carlson Walter J  
806<sup>2</sup>Sigfrids Andrew J  
808<sup>2</sup>Anderson Oscar W  
810<sup>2</sup>Swenson Irving E  
812<sup>2</sup>Olson Amanda J Mrs

Clough av intersects  
901<sup>2</sup>Hunker Jas P gro  
909 Backvall Albin W  
Severin Donald W  
Arseneau Premelia E drsmkr  
Paulson Rose Mrs  
920<sup>2</sup>Erickson Elementary School

13  
Weeks av intersects  
1003 StLouis Catholic Church  
1013<sup>2</sup>Jones Fred R  
1019 Cullen Edw D

Grand av intersects  
1113<sup>2</sup>Carlson Alf C  
Alien Carl  
1123 Christian and Missionary  
Alliance Church

1124<sup>2</sup>Fagerlin Fuel & Stoker Co  
Baxter av intersects

1201<sup>2</sup>Shervy Ingvald N  
1201<sup>1</sup>AKangas Wm W  
1203 Axelsson Elvi K Mrs  
1203<sup>2</sup>Beck Paul M  
1209<sup>2</sup>Lien Christ M  
1209<sup>2</sup>Johnson Andrew A  
1211<sup>2</sup>Stake Albert  
1211<sup>1</sup>Pierce Jas F  
1214-22 Park Place Homes  
(For names see N 8th at  
Cumming av)

Cumming av intersects  
1302<sup>2</sup>Lee Radiator Service  
1303 Mertz Inez M Mrs  
1305 Hanson Nicholas H  
1305<sup>1</sup>Kittleson John A  
1307<sup>2</sup>Musser Jas C  
1307<sup>1</sup>Wockner Mary E Mrs  
1310<sup>2</sup>Kari Edwin  
1312<sup>2</sup>Kari Reine  
1315<sup>2</sup>Westberg Carl A  
1317 Gustafson Wayne R

Hanmond av intersects  
1401<sup>2</sup>Kushner Arth  
1404 Agudas Achim Congregation  
1405 Merila Aaron  
1407<sup>2</sup>Reiten Peter H  
1409 Goldberg Nathan  
1411<sup>2</sup>Salnick Nimie  
1413 Vacant  
1415 Hartshorn Camiel J L

Hughitt av intersects  
1503<sup>2</sup>Christensen Neilsene J Mrs  
1507 Aro Matt H  
1514<sup>2</sup>Hilger Jos M  
Helland Philip

John av intersects  
1601-11 Peterson Anna K Mrs  
turn rms  
1610-12<sup>2</sup>Engine Co 1  
Fire Dept Credit Union  
Fire Dept Relief Assn  
Fire Dept Headquarters  
Hook & Ladder Co 1  
1614<sup>2</sup>Roberts Edw

15  
Ogden av intersects  
1701<sup>2</sup>Kempinsky Glass & Paint  
Co  
1706 Raymond Thos F  
1706<sup>1</sup>Gudowski Jos A  
1708 Apartments  
1<sup>2</sup>Hilden Jack R  
2<sup>2</sup>Burgner Martha L Mrs  
3<sup>2</sup>Okash Michl M  
4 Johnson Victor E

Street continued  
1710 Fortin Geo T  
1710<sup>1</sup>Cibrick Steph J  
1711 Apartments  
1 Brandt Maud Mrs  
2 Vacant  
3 Ennis Minnie Mrs

**SUPERIOR STATE BANK**

Established 1897

Member Federal Deposit Insurance Corp.

EAST END

SUPERIOR, WIS.

6TH N—Contd  
Apartments—Contd  
4 Arsenau Alex J  
5 O'Neil Bertha Mrs  
6 Huhtala Alex  
7 Boushlie Edw  
8 VanGuilder Edw

16  
Tower av intersects  
1814 Parzych Stanley P  
1815 Smith Philip auto repr  
1823<sup>2</sup>Fjelling Olaf  
1824<sup>2</sup>Stuper Esther Mrs  
1825 Weiss Harold N

11  
Banks av intersects  
1901<sup>2</sup>Superior Iron & Metal Co

7  
6TH AV E—From 600 2d south-  
west to junction of 9th and Lau-  
rel avs

2d and 4th intersect  
401<sup>2</sup>Hunter Helen A Mrs  
401<sup>2</sup>McNaughton Michl J  
404 Fuller Wm A  
405<sup>2</sup>Hammer Wilbert J  
Maki Arvo  
406<sup>2</sup>Mitchell Harry A  
407<sup>2</sup>Budick E Wayne  
408 Liljeros Martin A  
409<sup>2</sup>McBride Robt J  
410<sup>2</sup>Olander Gustaf H  
410<sup>2</sup>Wessman Carl V  
Lahde Chas V

6th intersects  
7th intersects

710<sup>2</sup>Buck Roland C  
714<sup>2</sup>Gates Clough

8th intersects  
812<sup>2</sup>Schritger Edwin H

9th intersects

7  
7TH E—From Hill av southeast to  
35th av and from 37th av to  
limits, 5 southwest of 2d  
69 Morgan Alaf

1st av intersects  
Belnap begins  
103<sup>2</sup>Boss Anna S Mrs  
104<sup>2</sup>Kimball Jason A  
VanMassenhove Leon F  
107 Johnson Herbert W  
108<sup>2</sup>Couroy Henry S  
109<sup>2</sup>Johnson Henry O  
110<sup>2</sup>Whipple Helen E Mrs

2d av intersects  
201<sup>2</sup>Kimball Edna G  
202<sup>2</sup>McDougall Georgia W Mrs  
206<sup>2</sup>Clements Tago N  
Smith G Morley jr  
207<sup>2</sup>McKay Jas C  
209<sup>2</sup>Jenson Ella M Mrs  
211<sup>2</sup>Curry Fred gro  
Cole Edgar F

3d av intersects  
302<sup>2</sup>Sell W Ralph  
303<sup>2</sup>Huller Wm C  
304<sup>2</sup>Benson Geo A  
306<sup>2</sup>Miller LeRoy T  
308<sup>2</sup>Lonnstrom Edgar W  
309<sup>2</sup>Coppins Robt M  
310<sup>2</sup>Remington Clarence G  
311<sup>2</sup>Johnson Kenneth R  
312<sup>2</sup>Johnson Frank E bldg matl  
320<sup>2</sup>Weisberg Jos H

4th av intersects  
400 Central Park  
401<sup>2</sup>McPherson LeRoy  
403<sup>2</sup>Eckholm Matt

405<sup>2</sup>Benson Nettie N Mrs  
407<sup>2</sup>Reichel Willhelmina Mrs  
Eckholm Wallace H  
5th av intersects  
503<sup>2</sup>Lindstrom David W  
509<sup>2</sup>Sundstrom & Johnson gro  
and meals  
Brown & Grinnell Service  
Station

Apartments  
A<sup>2</sup>Anderson Norman G  
B<sup>2</sup>Johnson Frank G  
C<sup>2</sup>Nelson R Oliver

6th av intersects  
601<sup>2</sup>Stoner Fred S  
Stoner Mae E Mrs nurse  
601<sup>1</sup>Dyrland Reuben L  
603<sup>2</sup>Lund Emil  
609<sup>2</sup>McNaughton Michl J  
604 Fuller Wm A  
605<sup>2</sup>Hammer Wilbert J  
Maki Arvo  
606<sup>2</sup>Mitchell Harry A  
607<sup>2</sup>Budick E Wayne  
608 Liljeros Martin A  
609<sup>2</sup>McBride Robt J  
610<sup>2</sup>Olander Gustaf H  
610<sup>2</sup>Wessman Carl V  
Lahde Chas V

7th av intersects

701<sup>2</sup>Jacobsen LeRoy T  
703<sup>2</sup>Peterson Carl  
704<sup>2</sup>Johnson Fred G jr  
705<sup>2</sup>McBride John G  
706<sup>2</sup>Runman Olaf B  
707<sup>2</sup>Biggs Arth V  
708 Smith Norman G  
710<sup>2</sup>Kessler Alf A

8th av intersects  
802 Apartments  
(A)<sup>2</sup>Williams Milton J  
(B)<sup>2</sup>Moore Frank A  
(C)<sup>2</sup>Ostrom Geo R  
(D)<sup>2</sup>Spear Howard O  
(E) Kernan Roscoe  
(F)<sup>2</sup>Lee Sigurd N

Street continued  
803<sup>2</sup>Hanson Nathaniel G  
805<sup>2</sup>Footle Chas C  
806<sup>2</sup>Erickson Axel  
808 Smith Neil  
809<sup>2</sup>Olson Arth J  
810<sup>2</sup>Tonkins Wm G

9th av intersects  
901<sup>2</sup>Johnson David E  
903<sup>2</sup>Sundstrom Helmi Mrs  
904 Johnson Carl G

10th and 11th avs intersect  
1101<sup>2</sup>Thomas Leonard R  
1103<sup>2</sup>Olander Francis O  
1104<sup>2</sup>Rathbun Asa A ins agt  
1105<sup>2</sup>Budd John E  
1107<sup>2</sup>Androsky John E  
1109<sup>2</sup>Teal Alvin R  
1111<sup>2</sup>McLellan David T  
12th and Ritchie avs intersect  
13th and 14th avs intersect  
1401<sup>2</sup>Dunham Jos W  
1423<sup>2</sup>Westerback Harry L  
1426<sup>2</sup>Pederson Henry M  
15th av intersects  
1501<sup>2</sup>Bartness John jr  
1512<sup>2</sup>Martineau Wm E  
1513<sup>2</sup>LaVallee Anna Mrs

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1717 WINTER

PHONE 600

- 6TH E—Cont'd**  
 1503 Carlson G Oscar @  
 1507 Golenbeck Edw @ @  
 1508 LeMieux Peter @  
 1511 Thoorzell J Verner @  
 1515 Warrn Oscar V @  
 1516 Anderson Harvey H @  
 1519 Bredahl Melvin @  
 1521 Sharp Wm A @  
 1525 Schneider Gertrude Mrs @  
 1526 Langvand Peter A @  
 1527 Benson Arth @  
 1527 Clausen Geo @  
 1530 McGettigan Danl J  
 Whitney Edwin A  
 1531 Forsjord Andrew J @  
**14th av Intersects**  
 1601 Knox Mary E Mrs @  
 1608 Hawarden Tuzette L Mrs  
 Tandberg Arth J  
 1615 Scott Thos R @  
 1616 Sherwood Geo E @  
 1623 Horst Gustav A @  
 1624 Glanville Roy W  
 1625 Carlson Alvin O Rev  
 1626 Mor Fred @  
 1632 Greene Thos J @  
**17th av Intersects**  
 1704 Howenstine W Chester @  
 Howenstine S C  
 1709 Street S Alf @  
 1713 Card L Philip @  
 1720 Bergstrom John A @  
 1723 Merrill T Reed @  
 1727 Balrd John @  
 Moores A Frank  
 1732 DeMars Carl E @  
**18th av Intersects**  
 1808 Lindstrom Oscar W @  
 1810 Morin Peter E @  
 1816 Reynolds Pauline Mrs @  
 Reynolds Wm J  
 1826 Vacant  
**19th av Intersects**  
 1908 Newman Matt L @  
 1911 Grinnell Herbert L  
 1912 Smith David H @  
 1915 Remus Frank F @  
 1916 Frakardn Jos E @  
 1917 McCasart Alex W @  
 1920 Ek Bessie Mrs @  
 Jordan Ray E  
 1923 Howard Albert @  
 1927 Baker Wm A @  
 1929 Schiller Geo T @  
 1930 Paulus Geo M @  
**20th av Intersects**  
 2004 Heydon Hannah E Mrs @  
 2006 Fonger Robt D @  
 2010 Morisset E J Mrs @  
 Long Norman O  
 2011 Ekroth Edson C  
 2013 Naud Frank J @  
 2014 Booth F A Mrs @  
 2017 Johnson Osmond  
 2018 Lindquist Oscar E  
 2019 Remus Gust F @  
 2020 Koehler Rose H Mrs  
 Nolan Laura Mrs  
 2023 McCormick Eliz R @  
 Lambert Walter A  
 2024 Bjorklund Henry E  
 2026 Blair Albert J  
 2028 Brown Ira A @  
 2029 Zion Evangelical Lutheran  
 Church  
 2030 Concordia Norwegian Chapel  
**21st av Intersects**  
 2102 Keaough Edw J @  
 2106 McKone Jas M  
 Ross Eustace  
 2107 Welter J Frank @  
 2110 Swalm Amos A @  
 2113 Gustafsson Edw J @  
 2114 Jones Russell W  
 2117 Wold John L @  
 2118 Anderson Axel H

- 2120 Debnck Jos P @  
 Happle Anna Mrs  
 2122 Banks Clarence B  
 2123 McGregor Arth C  
 2125 Walker Mark S @  
 2128 Greely Horace F  
 2131 Erickson E Walfred  
 Hawkins Francis J  
**22d av Intersects**  
 2206 Pesark Mary E Mrs @  
 2211 Kline Christ G  
 2213 Sheriff Jos P  
 2214 Miley David R  
 2215 Brochu Alf J  
 2217 Culliton Earl H  
 2220 LaFitte Rose A @  
 2223 MacDonald Arnes @  
 2224 Charbonneau Emery C  
 2226 Byrne John F  
 Nelson Sophie Mrs  
**23d av Intersects**  
 2309 Emerson John @  
 2317 Ward Jos L @  
 2321 McFarlin J Roy @  
 2327 Anderson Geo L @  
 2331 Milchesky Aug A @  
**24th av Intersects**  
 2402 Zachan Frank D @  
 2403 Fitzgibbons LeRoy J  
 2407 Moffett Jas @  
 2408 Robie Horace D  
 2414 Pindlay Jas G @  
 2418 Vacant  
 2420 Arnold Clinton E  
 2422 O'Hare Chas N @  
**25th av Intersects**  
 2528 Donalds Wm A @  
 2532 Buss A Wm @  
**26th av Intersects**  
 2606 Carlsgaard Jay H @  
 2608 Bishoff Aug E @  
 2614 Elliott Wm B @  
 2617 Scanlan Thos F @  
 Callahan Dennis M  
 2623 Anderson Gust A @  
 2630 Jacobson Martin B @  
 2631 Jackson Edwin A @  
**27th av Intersects**  
 2701 West Chas A @  
 Ball Almada J Mrs  
 West Grover C  
 2702 Youngberg Oscar G @  
 2703 Cloutier Eustace H @  
 2706 McKenzie Mary Mrs @  
 2707 Tetzlaff Leonard O @  
 2716 Cadotte Frank J @  
 2721 Greene Edw J  
 2731 Sheasby Edw A @  
**28th av Intersects**  
 2803 Anderson Anton E @  
 2804 Hoglund Reuben V @  
 2806 Dougherty Thos J @  
 2808 Kane Arth W @  
 2809 Hennerty John E @  
 2815 Beecher John W @  
 2816 Gray Chas T @  
 2821 Beecher Minnie Mrs @  
 2825 Holt Albert  
 2826 Joyce Wm E @  
 2828 Munnings Clarence R  
 2831 Lenaghan Hazel Mrs @  
**29th av Intersects**  
 2908 Johnson Fred G @  
 2909 Nelson Neis G @  
 2916 Hagen Anton @  
 2923 Neville Richd J @  
 Neville Richd J jr  
 2924 Wiegert Theo @  
 2926 Festling Wm @  
 2927 Lier Ole H @  
**30th av Intersects**  
 3016 Ostaszski Stanley A @  
**31st and 32d avs Intersect**  
 3204 Yaden Elmer S  
**River and 36th av Intersect**  
 2614 Nelson Caroline Mrs @  
 3622 Mattson Anna Mrs @  
**37th av Intersects**

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- 6TH E—Cont'd**  
 3716 Meyers Arth W  
 3718 Becke Hilda E Mrs @  
 3720 Peterson Delford J  
 3722 Shears Adolph M @  
 3723 Puhaka Arne J @  
 3724 Silberg Olga Mrs @  
 3732 Terry Elmer A @  
**35th av Intersects**  
 3816 Wright Lambert A @  
 3820 Sabitt Frank O @  
 3821 Dolan Eliz Mrs @  
**30th av Intersects**  
**6TH N—From Canal av to Banks av, S of 6th**  
 701 Harrer Alvina Mrs @  
 Harrer Wesley L  
 714 Hanson Ernest  
 716 Pearson Leslie E  
 718 Stolpe Fred  
 718 1/2 Grundsted Ernest R  
 722 Rosberg Ferris E  
 Stolpe Alex F  
 724 Erickson Ray E  
 Rynning Wilhelm  
**35th av Intersects**  
 802 Carlson Walter J  
 Sigfrids Andrew J  
 808 Anderson Oscar W  
 810 Carlson Arvid V  
 812 Olson Amanda J Mrs  
**Clough av Intersects**  
 901 Anderson Gabriel gro  
 909 Clark John W  
 LePage Edw  
 Patnode Clifford G  
 Paulson Butch  
 920 Ericsson Elementary School  
 North Jr High School  
**Weeks av Intersects**  
 1002 Almuist Neis J  
 1003 StLouis Catholic Church  
 1004 Peterson Carl A  
 1013 Jones Fred R @  
 1019 Cullen Edw D @  
**Grand av Intersects**  
 1113 Carlson Alf C @  
 Salo Geo J  
 1118 Rowley Olive Mrs drsmkr  
 1123 Christian and Missionary  
 Alliance Church  
 1124 Fagerlin & Berg Co coal  
**Baxter av Intersects**  
 1201 Sherry Ingvald N  
 1201 1/2 Karno Oscar U  
 1203 Kangas Wm W  
 1203 1/2 Beck Paul M  
 1209 Lien Christ  
 1209 1/2 Rasmussen Anna W Mrs  
 1211 Peterson Perelius A  
 1211 1/2 Graspoy Leo M  
 1214 Niva Lowell  
 Pecard Merle  
 1216 Reagle Donald L  
 Rungren J Herbert  
 1222 Dowd John M  
**Cumming av Intersects**  
 1302-04 Kari Garage  
 1303 Anderson Chas A  
 1305 Bradley Stella Mrs  
 1305 1/2 LePage Helen Mrs  
 1307 Eye Archie W  
 1307 1/2 Piper Raymond B  
 1310 Kari Edwin A @  
 1312 Kari Reino  
 1315 Risk Harald  
 Westberg Carl A  
 1317 Swanson Chas @  
**Hammond av Intersects**  
 1401 Lowmyer Rudolph T  
 1404 Acudias Achim Congregation  
 1405 Merila Anron  
 1407 Johnson Warren G  
 1409 Slovut Michl  
 1411 Hill Arth W  
 1413 Vacant  
 1415 Cameron Jas  
**Hughitt av Intersects**

- 1501-03 Christensen Nels lodgings  
 Goldstein Oscar G  
 Hjerpe Willford A  
 1507 Hultner Clarence T  
 1514 Hiltger Jos M  
 Strand Clarence A  
**John av Intersects**  
 1601-11 Peterson Chas J @ Furn  
 rms  
 1610 Engine Co I  
 Fire Dept Credit Union  
 Fire Dept Relief Assn  
 1612 Fire Dept Headquarters  
 Hook & Ladder Co I  
 1614 Roberts Edw  
**Ogden av Intersects**  
 1701 Kempinsky Louis glass  
 1706 Vacant  
 1708 Vacant  
 1711 Apartments  
 1 Leroux Leopold J  
 2 Schwanz Jennie Mrs  
 3 Anderson Fred W  
 4 Vacant  
 5 Hokkala John  
 6 Huhtala Alex  
 7 Johnson Piina Mrs  
 8 Vacant  
**Tower av Intersects**  
 1812 Vacant  
 1814 Parzych Stanley P  
 1815 Shykes L M auto repr  
 1823 Barr Harry  
 1824 Stuper Peter J  
 1825 Kaner Rose Mrs @  
**Banks av Intersects**  
 1901 Karon S & Sons  
 Karon Oil Co  
 Superior Auto Parts &  
 Wrecking Co  
 Superior Iron & Metal Co  
 Junk  
**6TH AV E—From 600 2d av to  
 Junction of 9th and Laurel av**  
 2d and 4th Intersect  
 401 Hunter Helen A Mrs @  
 Hunter Raymond W  
**5th Intersects**  
 507 Kempton Earl U  
 509 Matheson Clifford  
 514 Hockey Alf @  
**6th Intersects**  
 614 Vacant  
**7th Intersects**  
 710 Buck Roland C @  
 714 Gates Clough @  
**8th Intersects**  
 812 Schrieber Edwin H @  
**9th Intersects**  
**7TH E—From Hill av se to 35th  
 av and from 37th av to limits, S  
 av of 2d**  
 69 Erickson Carl A @  
**1st av Intersects**  
 Belknap begius  
 103 Boss Siward T @  
 104 Foley Thos W @  
 107 Johnson John C  
 108 Conroy Henry S @  
 109 Szarkowski Minnie Mrs @  
 110 Whipple Helen E Mrs @  
**2d av Intersects**  
 201 Kimball Edna G @  
 202 McDougall Georgia W Mrs @  
 206 Smed Theo J @  
 207 Davis Fredk W @  
 209 Vacant  
 211 Fair Lena A Mrs gro  
 2d fl Vacant  
**3d av Intersects**  
 302 Altenberg Frank @  
 303 Hultner Wm C @  
 304 Benson Geo A @  
 306 Hertlein Conrad F @  
 308 Borgh Nina C @  
 309 Jenness Claude E



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114-130 CUMMING AVE.

**6TH E—Contd**  
1010 Schumaker Chas F ©  
Schumaker Clara Mrs  
C S pract  
11th av intersects  
1101 Sickner Willard E ©  
1105 Swanson Lambert A ©  
1107 Cole Arth R ©  
1109 Rymer John A ©  
12th av intersects  
1203 Haglund John W ©  
13th av and Ritchie intersect  
1310 McEwen Robt D ©  
1319 Nelson Carl H ©  
1321 Doll Henry H ©  
1324 McNaughton Jas W  
1328 Smith Perry C  
1330 Johnson Theckla Mrs  
14th av intersects  
1432 Waseen Chas C ©  
15th av intersects  
1503 Johnson Levi H  
1507 Roget John E ©  
1508 Lemieux Peter Jr ©  
1511 Holm Richd M  
1515 Warn Oscar V ©  
1516 Remington Clarence G ©  
1519 Bredahl Melvin  
1521 Sharp Wm A ©  
1525 Schneider Jos ©  
Schneider Dorothy nurse  
1526 Backus Clifford W  
1527 Blixt Alf E  
1530 Morgan Wm J ©  
1531 Forsjord Andrew J ©  
16th av intersects  
1601 Gilbert Raymond J ©  
1608 Hawarden Tuzette Mrs ©  
1615 Scott Thos R ©  
1616 Sherwood Geo E ©  
1623 Horst Gustave A ©  
1624 Clark Emma J Mrs  
Mason Eliz Mrs  
1625 Carlson Alvin O Rev  
1626 Nelson A Theo ©  
1632 Greene Thos J ©  
17th av intersects  
1704 Howenstine W Chester ©  
1709 Street Alf S ©  
1713 Card L Phillip ©  
1720 Bergstrom John A  
1723 Merrell T Reed ©  
1727 Baird John ©  
Moore A Frank  
1732 Klingbeil Emil A ©  
18th av intersects  
1808 Lindstrom Oscar W ©  
1810 Morin Peter E ©  
1816 Reynolds Pauline Mrs ©  
Reynolds Wm J  
1826 Roberts M Ella ©  
19th av intersects  
1901 Vacant  
1908 Newman Matt L ©  
1911 Grinnell Herbert L ©  
1915 Remus Frank F ©  
1916 Palardeau Jos E ©  
1917 McTaggart Alex A ©  
1920 Ek Bessie Mrs ©  
Jordan Ray E  
1923 Howard Albert ©  
1927 McGauley Leo L  
1929 Schiller Geo T ©  
1930 Paulus Geo M  
20th av intersects

2004 Heydon Clarence R ©  
2006 Simons Patk ©  
Herlan Edw S  
2010 Morisset Eliz Mrs ©  
2011 Anderson John A  
2013 Naud Frank J  
2014 Booth F A Mrs ©  
Feiereisen Larry L  
2017 Paulus Frank E  
2018 Lindquist Oscar E  
2019 Remus Gust F ©  
2020 Engelbrekt Mary C Mrs ©  
2023 McCormick Eliz R ©  
Bjorkman Clyde A  
2024 Brown Ira A  
2026 Arnold Clinton E  
2028 McLeod Richd C ©  
2029 Zion Evangelical Lutheran  
Church  
2030 Concordia Norwegian Chapel  
21st av intersects  
2102 Keaough Julia Mrs ©  
2106 Bersell Floyd O  
Yehle Chas F  
2107 Welter J Frank ©  
2110 Swalm Amos A ©  
2113 Hamm Saml H © teaming  
2114 Webster Frank E ©  
2117 Banks Clarence B ©  
2118 Jacobson Martin B  
2120 Deback Jos ©  
2122 Adams Kirk S ©  
2123 Armitage Geo ©  
2125 Walker Mark S ©  
2128 Greely Horace F  
2131 Wold John L  
22d av intersects  
2202 Vacant  
2206 Pesark Mary E Mrs ©  
2211 Kline Chris  
2213 Sheff Jos F  
2214 Gray Mary E Mrs ©  
2215 Brochu Eug E  
2217 Hennessy John B ©  
Burgo Walter  
2220 Leffitte Rose A ©  
2223 MacDonald I A Mrs ©  
2224 Vacant  
2226 Parenteau Edw P  
23d av intersects  
2300 Nelson Dewey School  
2309 Blair Albert J  
2317 Ward Jos L ©  
2321 McFarlin J Roy ©  
2327 Caffrey Frank J  
2331 Milchesky Aug A ©  
24th av intersects  
2402 Zachau Frank D  
2403 Orner Gina Mrs  
2407 Moffett Jas ©  
2408 Robie Horace D  
2414 Findlay Jas G ©  
2418 Carriar Frank H  
2420 Vacant  
2422 O'Hare Chas N ©  
25th av intersects  
2528 Donalds Wm A ©  
2532 Buss A Wm ©  
Buss Genevieve nurse  
26th av intersects  
2656 Johnson Gust A ©  
2608 Bishoff Aug E ©  
2614 Elliott Wm B ©  
2617 Scanlon Thos F ©  
Callahan Dennis M  
2623 Anderson Gust A ©

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Best Quality Dairy Products

PHONE BR. 1045

SUPERIOR, WIS.

**6TH E—Contd**  
2630 McLellan David T  
2631 Jackson Edwin A ©  
27th av intersects  
2701 Bail Almada J Mrs  
West Chas A  
2702 Senn Ervin  
2703 Cloutier Eustace H ©  
2706 McKenzie Mary Mrs ©  
2707 Bailey Jesse C  
2716 Cadotte Frank J ©  
2721 Hattenberger Michl C  
2731 Sheasby Edw A ©  
28th av intersects  
2803 Anderson Anton E ©  
2804 Hoglund Reuben V ©  
2806 Dougherty Thos J ©  
2808 Kane Arth W ©  
2809 Shaul Ray M  
2815 Beetcher John W ©  
2816 Gray Chas T ©  
2821 Beetcher Fred A  
2825 Johnson John ©  
2827 Joyce Wm E  
2828 Munnings Clarence R  
2831 Lenaghan Hazel Mrs ©  
29th av intersects  
2908 Johnson Fred G ©  
2909 Nelson Nels G ©  
2916 Hagen Anton ©  
2923 Neville Richd J ©  
2924 Wiegert Theo ©  
2926 Estling Wm ©  
2927 Lier Ole H ©  
30th av intersects  
3016 Ostazeski Stanley A ©  
31st and 32d avs intersect  
3204 Patulski John ©  
River and 36th av intersect  
3614 Nelson Caroline Mrs ©  
Anderson Helmer C  
3622 Ekholm Alma O Mrs  
37th av intersects  
3715 Smith Frank ©  
3718 Hako Anton ©  
3720 Nummi Chas ©  
3722 Shears Adolph M ©  
3723 Hill John ©  
3724 Siberg Oscar ©  
3732 Lundgren Munrel L  
38th av intersects  
3816 Wright Lambert A ©  
Bohnsack Rosalie Mrs  
3820 Vacant  
3821 Dolan Fliz Mrs ©  
39th av intersects  
**6TH N—From Catlin av w to Banks**  
av. 5 s of 1st  
701 Harrer Alvina Mrs ©  
Harrer Wesley L  
714 Larson John T  
716 Johnsted Elmer G  
718 Egman Andrew  
718½ Duthey Leo T  
722 Larson Melvin T  
Lofgren Herman T  
724 Erickson Ray E  
Kent Russell R  
Fisher av intersects  
802 Westlund J Edw  
806 Sigrids Andrew J  
808 Anderson Oscar W  
810 Peterson Ture  
812 Olson Wm  
Clough av intersects

901 Anderson Gabriel gro  
909 Anderson Arth J  
Johnson Hilda Mrs  
Nelson John A  
Sundstrom Ruth  
920 Ericsson School  
Weeks av intersects  
1002 Vacant  
1003 StLouis Catholic Church  
1004 Vacant  
1008 Vacant  
1013 Archambault Eda Mrs ©  
Archambault J Oliver  
1019 Cullen Edw ©  
Grand av intersects  
1107 Cowan Frank B  
1109 Vanderport Clara Mrs ©  
1113 Carlson Alf C ©  
Carlson Clifford P  
1118 Nault Napoleon  
1123 Christian Missionary Alliance  
Church  
1124 Fagerlin & Berg Co coal  
and transfer  
Baxter av intersects  
1201 Shervy Ingvald  
1201½ Anderson Andrew  
1203 Anderson Edw J  
1203½ Beck Paul M  
1209 Lien Christ  
1209½ Rasmussen Anna W Mrs  
1211 Peterson Perellus  
1211½ Landin Nels  
1216 Gates Milton L  
1214 Akeberg Anna Mrs  
1222 Trollson Theo H  
Cumming av intersects  
1302 Sixth Street Service Station  
1303 Vacant  
1305 Archambault Bridget Mrs  
1305½ Archambault Gordon  
1307 Gonia Frank N  
1307½ Lunseth Olof  
1310 Kari Edwin  
1312 Halonen Geo  
1315 Lehnert Wm  
Westberg Carl A  
1317 Swanson Chas ©  
Hammond av intersects  
1401 Lasch Ellerd B  
1404 Agudas Achim Congregation  
1405 Sarell Eino  
1407 Hoffer Wm B  
1409 Maki Abram ©  
1411 Skinner Leo J  
1413 Crosby Steph  
1415 Agen Elsie Mrs  
Hughtt av intersects  
1501-03 Christensen Nels lodgings  
Goldstein Oscar G  
Beattie Walter H  
McIntyre Walter  
1507 Moe Magnhild Mrs  
1514 Hilger Jos M ©  
Strand Clarence A  
John av intersects  
1601-11 Peterson Chas J © furn  
rms  
1610 Engine Co 1  
1612 Fire Dept Headquarters  
Hook & Ladder Co 1  
1614 Roberts Edw  
Ogden av intersects  
1701 Kempinsky Louis glass  
1705 Lah Lee Indry  
1705½ Vacant

Established by Albert P. LeSage in 1897  
**LeSAGE FUNERAL CHAPEL**  
 COAD A. LeSAGE, Mortician  
 LICENSED IN WISCONSIN AND MINNESOTA  
 1813-15 N. Twelfth St. Broad 376

**SIXTH E—Contd**  
 1530 Morgan Wm J @  
 1531 Forsjord Andrew @  
**Sixteenth av intersects**  
 1601 Gilbert Raymond J @  
 1608 Hawarden Edw @  
 1615 Scott Thos R @  
 1616 Sherwood Geo E @  
 1623 Horst Gustav H @  
 1624 Yehle Chas F  
 1625 Showalter Clarence E Rev  
 1626 Nelson Theo @  
 1632 Greene Thos J @  
**Seventeenth intersects**  
 1704 Howenstine W Chester @  
 1709 Street Alf S @  
 1713 Card L Phillip @  
 1720 Farmer Roland J @  
 1723 Merril T Reed @  
 1727 Baird John @  
 Moores Albert F  
 1732 Klingbeil Emil A @  
**Eighth av intersects**  
 1808 Vacant  
 1810 Morin Peter E @  
 1816 Reynolds Jas R @  
 1826 Roberts M Ella @  
**Nineteenth av intersects**  
 1901 Vacant  
 1908 Newman Matt L @  
 1911 Grinnell Herbert L @  
 1915 Remus Frank F @  
 1916 Vacant  
 1917 McTaggart Alex W @  
 1920 Ek Bessie Mrs @  
 1923 Howard Albert @  
 1927 Worthman Harry L @  
 1929 Schiller Geo @  
 1930 Dryden Chas F  
**Twentieth av intersects**  
 2004 Heydon Clarence R @  
 2006 Herian Edw S  
 2010 Morisset Cleophus J @  
 2011 Burns Danl J  
 2013 Naud Frank J  
 2014 Booth Edw H @  
 2017 Kolstad Wm  
 2018 Anderson John A  
 2019 Remus Gust F @  
 2020 Engelbrecht Mary C Mrs @  
 2023 Vacant  
 2024 Stream Gilbert W  
 2026 Arnold Clinton R  
 2028 McLeod Richd C @  
 2029 Zion Evangelical Swedish  
 Lutheran Church  
 2030 Concordia Norwegian Chapel  
**Twenty-first av intersects**  
 2102 Keough Edw @  
 2106 Brotherton John  
 Paquin Jos A  
 2107 Moores Albert @  
 2110 Swalm Amos A @  
 2113 Haum Saml H @ teaming  
 2114 Webster Jessie Mrs @

2117 Card Fred R  
 2118 Jacobson Martin B  
 2120 Dibak Jos @  
 2122 Adams Kirk S @  
 2123 Armitage Geo @  
 2125 Walker Mark S @  
 2128 Vacant  
 2131 Webb Claude P @  
**Twenty-second av intersects**  
 2202 Independent Order of Odd  
 Fellows  
 Odd Fellows Hall  
 Ramsdill Zeth  
 2206 Pesarek Felix L @  
 2211 Kremer John L  
 2213 Kozlowski Leo  
 2214 Gray Mary E Mrs @  
 2215 Vacant  
 2217 Hennessy John B @  
 2220 Laffitte Rose A @  
 Pink Jos R  
 2223 MacDonald Isabella Mrs @  
 2224 Dahl Jacob @  
 2226 Nicholson Louis @  
**Twenty-third av intersects**  
 Nelson Dewey School  
 2309 Platte Elton J  
 2317 Ward Jos L @  
 2321 McFarlin Jos R @  
 2327 Johnson Ludwig  
 2331 Michosky Aug A @  
**Twenty-fourth av intersects**  
 2402 Rye Elot  
 2403 Orm Arth C  
 2407 Katzmark Frank @  
 2408 Robie Horace D  
 2414 Findlay Jas J @  
 2418 Carrar Francis H @  
 2420 Vacant  
 2422 O'Hare Chas N @  
**Twenty-fifth av intersects**  
 2528 Donalds Wm A @  
 2532 Buss Wm R @  
**Twenty-sixth av intersects**  
 2606 Laib Edw T @  
 2608 Bishoff A Edw @  
 2614 Elliott Wm B @  
 2617 Scanlan Dominick @  
 2623 Anderson Gust A @  
 2630 Jackson Edw A  
 2631 Callahan Dennis M @  
**Twenty-seventh av intersects**  
 2701 Ball Almada Mrs @  
 2702 Sehn Ervin @  
 2703 Cloutier Eustace H @  
 2706 McKenzie Finley J @  
 2707 Bailey Jesse C  
 2716 Novokowsky Walter J  
 2721 Myer Jos  
 2725 Vacant  
 2731 Sheasby Edw A @  
**Twenty-eighth av intersects**  
 2803 Anderson Anton E @  
 2804 Conmihan Hedwig H Mrs @  
 2806 Dougherty Thos J @  
 2808 White Frank @

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**SIXTH E—Contd**  
 2809 Lindner Harvey I @  
 2815 Beecher John W @  
 2816 Gray Chas T @  
 2821 Vacant  
 2825 Johnson John @  
 2827 Joyce Wm E @  
 2828 Thiel Oscar R @  
 2831 Lenaghan Geo H @  
**Twenty-ninth av intersects**  
 2908 Johnson Fred G @  
 2909 Nelson Nels G @  
 2916 Hagen Anton P @  
 2923 Neville Richd J @  
 Nemadj Cemetery Assn  
 2924 Wiegert Theo @  
 2926 Estling Wm @  
 2927 Lier Ole @  
**Thirtieth av intersects**  
 3016 Ostazeski Stanley A @  
**Thirty-first av intersects**  
**Thirty-second av intersects**  
 3204 Patulski John @  
**River intersects**  
**Thirty-sixth av intersects**  
 3614 Anderson Helmer C  
 3622 Ekholm Alma O Mrs  
**Thirty-seventh av intersects**  
 3715 Smith Frank @  
 3718 Carr Henry @  
 3720 Nunmi Chas  
 Saari John  
 3721 Vacant  
 3722 Shears Adolph M @  
 3723 Rankla Arth @  
 3724 Silberg Oscar @  
 3732 Salmi Frank O  
**Thirty-eighth av intersects**  
 3816 Bohusack Rosalie Mrs @  
 Wright Lambert A  
 3820 Lundgren Murrel L  
 3821 Dolan Eliz Mrs @  
**Thirty-ninth av intersects**  
**SIXTH N—From Catlin av west  
 to Banks av, 5 south of N First**  
 701 Harrer Paul P @  
 714 Fredericks Alf H  
 718 Mullen Chas E  
 718½ Salem Olaf H  
 722 Lotgren Herman  
 Sladky John  
 724 Finell Leonard A  
 Larson John C  
**Fisher av intersects**  
 802 Westlund Edw A  
 Westlund John E  
 806 Anderson Chas A  
 808 Erickson Erick @  
 Sinell Morris  
 810 Gilbert Martin E  
 812 Olson Wm  
**Clough av intersects**  
 901 Anderson Gabriel gro  
 909 Apartments  
 1 Sundstrom Ruth  
 2 Nordswen John

3 Preston Richd  
 4 Nelson John  
**Street continued**  
 920 Ericsson School  
**Weeks av intersects**  
 1002 Arneau Ellen  
 1003 StLouis Catholic Church  
 1004 Hanson Ole H  
 1008 Hutchins Clifford L  
 Thoorsell Emil W  
 Vincent Jas  
 1013 Archambault Cyprian  
 1019 Cullen Edw @  
**Grand av intersects**  
 1107 Vacant  
 1109 Richter Frank J  
 Vanderport Oscar  
 1113 Carlson Alf C  
 Burzynski Alex  
 1118 Cowan Frank P  
 1123 Christian Mission Alliance  
 (Pentecostal)  
 1124 Fagerlin & Berg Co coal  
**Baxter av intersects**  
 1201 Anderson Andrew  
 1201 Merila Jos  
 1203 Beck Paul M  
 1209 Rasmussen Anna Mrs  
 Tanning Aug  
 1211 Butler Margt Mrs  
 Dahlberg Chas E  
 1214 Schramek Louis  
 1216 Ford John S  
 1222 Trolson Theo  
**Cumming av intersects**  
 1303 Helstein Saml  
 1305 Vacant  
 1307 Vacant  
 1310 Grundsted Ernest R  
 1312 Kari Edwin @  
 1315 Danielson Carl E  
 1317 Swanson Chas @  
**Hammond av intersects**  
 1401 Vacant  
 1405 Vacant  
 1407 Vacant  
 1409 Maki Albert @  
 1411 Ludvigson Peter  
 1413 Crosby Steph  
 1415 Vacant  
**Hughitt av intersects**  
 1501 Sawyer Jos  
 1503 Echkovitz Jos @  
 1514 Hilger Angelina Mrs @  
 Hilger Jos M  
 Juno Henry  
**John av intersects**  
 1601 Peterson Chas J furn rins  
 1603 Peterson Chas J @  
 1612 Fire Dept Hdqrs  
 Hook & Ladder Co No 1  
 Engine Co No 1  
 1614 Vacant  
**Ogden av intersects**  
 1701 Kempinsky Louis Glass Co  
 1701½ Vacant

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