ENVIRONMENTAL SAMPLING CORPORATION

Dedicated to Environmental Monitoring, Science & Technology

December 6, 2018

Erwin Sulma W310 N1071 Bunker Hill Tr. Delafield, WI 53018

Howard and Brenda Lewis W310 N1054 Bunker Hill Tr. Delafield, WI 53018

Re: October 2018 Private Well Monitoring Results (LOT 15)

Dear Mr. Sulma and Mr. and Mrs. Lewis:

Water samples were collected from your shared well on Bunker Hill Trail on October 29, 2018 as part of the private well monitoring program associated with the closed Delafield Sanitary Transfer and Landfill. The samples were collected by Environmental Sampling Corporation (ESC) personnel and submitted to CT Laboratories, Inc. (WDNR Lab Certification #157066030) for analysis.

The water samples collected from the well were tested for the following semi-annual monitoring parameters: alkalinity, chloride, hardness, sulfate, cyanide, total kjeldahl nitrogen, nitrate, nitrite, arsenic, barium, beryllium, cadmium, calcium, chromium, copper, iron, magnesium, manganese, sodium, lead, antimony, selenium, thallium, zinc, and volatile organic compounds (VOCs). The VOC analysis covers a wide range of compounds that are generally found in household and industrial solvents, degreasers, cleaners, gases and petroleum products. The VOC analysis can detect the presence of more than forty compounds. In addition to the parameters listed above, the sample was tested in the field for pH, temperature, and specific conductance.

The Environmental Protection Agency (EPA) and the Wisconsin Department of Natural Resources (WDNR) have established groundwater quality standards for the protection of human health and the environment. Contaminant concentrations that are detected at levels less than the EPA Maximum Contaminant Level (MCL) and the WDNR Enforcement Standard (ES) are believed to be safe for a water supply. In general, the federal MCL and the Wisconsin ES levels are the same, though for some substances the Wisconsin ES is lower than the MCL. The EPA and WDNR have also established secondary or "aesthetic" standards for select inorganic parameters. These standards are based on the taste and appearance of the water rather than health effects.

Main Office: P.O. Box 12 • Muskego, WI 53150-0012 • (414) 427-5033 • FAX (414) 427-5034

No VOCs were detected at concentrations above the laboratory LOD and therefore, not above an applicable MCL or ES in the samples collected from your well. The concentrations of inorganic parameters were less than drinking water standards.

A summary of the water quality results and a copy of the CT Laboratories report are provided with this letter. Should you have any questions concerning our work at the landfill or the water quality results you have received, please feel free to call me at 414-427-5033.

Sincerely,

Environmental Sampling Corporation

Tracy Ipavec

Sr. Environmental Specialist

Attachments

cc: Jason Lowery: WDNR, Madison (electronic copy)

Frank Perugini: ESC (electronic copy)

DELAFIELD LANDFILL Private Well Monitoring Data

| LOT 15 W310 N1054 | | | | | | | Œ | INORGANIO | PARAMETE | | | | | | | |
|----------------------|------------|------|-------------|-------------|-------------|--------|-----------|-----------|-----------|--------------|---------|---------|------|-------------|---------------|-------------|
| W310 N1071 | Alkalinity | | | | | | | | | | | | | | | |
| Bunker Hill Tr. | NS | NS | (250 / 250) | (250 / 250) | (0.2 / 0.2) | NS | (10 / 10) | (1 / 1) | (10 / 10) | (2000 /2000) | (4 / 4) | (5 / 5) | NS | (100 / 100) | (1300 / 1300) | (300 / 300) |
| DATE | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | ug/L | ug/L | ug/L | mg/L | ug//L | ug//L | ug/L |
| 11/01/17 | 230 | 211 | 4.9 | 27 | < 0.0040 | <0.52 | < 0.040 | < 0.040 | <0.60 | 43.5 | <0.38 | < 0.40 | 49.4 | <2.0 | 96.8 | 150 J |
| 04/27/18 | 240 | 209 | 3.3 | 21 | < 0.0030 | 0.27 J | <0.12 | <0.14 | <0.60 | 51.0 | <0.38 | < 0.40 | 47.6 | <2.0 | 69.2 | 179 J |
| 10/29/18 | 240 | 219 | 1.4 | 19 | < 0.0030 | <0.23 | <0.12 | <0.14 | <0.60 | 50.4 | <0.38 | < 0.40 | 50.0 | <2.0 | <3.9 | 265 |
| | | | | | | | | | • | | | | | | | · |
| | | | | | | | | | | | | | | | | |

Notes:

Drinking water samples are unfiltered.

mg/L = milligrams per liter

ug/L = micrograms per liter

NS = no standard established

s.u. = standard units

-Manganese has NR140 standards for both Public Welfare (50 ug/L) and Public Health (300 ug/L).

J=Estimated concentration below laboratory quantitation level.

B=Analyte detected in the associated Method Blank.

EPA MCL: Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL)

EPA SMCL: Environmental Protection Agency (EPA) Secondary Maximum Contaminant Level (SMCL)

WDNR ES: Wisconsin Department of Natural Resources (WDNR) Enforcement Standard (ES)

EPA SMCL Standards / WDNR NR140 Public Welfare Standards: chloride, iron, manganese, sulfate, and zinc.

EPA MCL Standards / WDNR NR140 Public Health Standards: cyanide, nitrate, nitrite, arsenic, barium, beryllium, cadmium, chromium, copper, lead, antimony, selenium, thallium, and VOC's.

= Indicates an MCL, SMCL, or ES exceedance

Analyte abbreviations:

SO₄: sulfate Ba: barium Cr: chromium Mn: manganese Se: selenium CN: cyanide TI: thallium Be: beryllium Cu: copper Na: sodium TKN: total kjeldahl nitrogen Cd: cadmium Pb: lead Zn: zinc Fe: iron Ca: calcium As: arsenic Mg: magnesium Sb: antimony

> LOT 15 Page 1 of 2

DELAFIELD LANDFILL Private Well Monitoring Data

| LOT 15 W310 N1054 | | | | NORGANIC PA | | | | | FIE | ELD PARAMETER | s | VOCs (EPA MCL / WDNR ES) |
|----------------------|------|-----------|------|-------------|---------|-----------|------------|---------------|--------|---------------|-------|-----------------------------|
| W310 N1071 | Mg | Mn# | Na | Pb | Sb | Se | TI | Zn | pН | Conductivity | Temp. | Chloromethane |
| Bunker Hill Tr. | NS | (50 / 50) | NS | (15 / 15) | (6 / 6) | (50 / 50) | (2 / 2) | (5000 / 5000) | NS | NS | NS | (NS / 30) |
| DATE | mg/L | ug/L | mg/L | ug/L | ug/L | ug/L | std. Units | umhos/cm | deg. C | ug/L | | |
| 11/01/17 | 21.3 | 5.8 J | 5.73 | 4.3 | <0.60 | <1.0 | <0.19 | 260 | 7.10 | 436 | 14.3 | <0.19 |
| 04/27/18 | 21.9 | 4.4 J | 5.17 | 6.8 | <0.60 | <1.0 | 0.19 J B | 262 | 7.52 | 406 | 14.8 | 0.50 J B |
| 10/29/18 | 22.9 | 5.3 J | 6.63 | 0.59 J | <0.60 | <1.0 | <0.19 | 261 | 7.68 | 429 | 11.9 | <0.19 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Notes:

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ug/L = micrograms per liter

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-Manganese has NR140 standards for both Public Welfare (50 ug/L) and Public Health (300 ug/L).

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EPA SMCL Standards / WDNR NR140 Public Welfare Standards: chloride, iron, manganese, sulfate, and zinc.

EPA MCL Standards / WDNR NR140 Public Health Standards: cyanide, nitrate, nitrite, arsenic, barium, beryllium, cadmium, chromium, copper, lead, antimony, selenium, thallium, and VOC's.

lead, and roots.

590 = Inc

= Indicates an MCL, SMCL, or ES exceedance

Analyte abbreviations:

SO₄: sulfate Ba: barium Cr: chromium Mn: manganese Se: selenium TI: thallium CN: cyanide Be: beryllium Cu: copper Na: sodium TKN: total kjeldahl nitrogen Cd: cadmium Fe: iron Zn: zinc Pb: lead As: arsenic Ca: calcium Mg: magnesium Sb: antimony

CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913

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REVISED ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.

FRANK PERUGINI

W125 S9808 NORTH CAPE ROAD

MUSKEGO, WI 53150

Project Name: DELAFIELD LF

Project Phase:

Project #: 10-2018

Folder #: 140649

Purchase Order #:

Contract #: 3123

Page 1 of 2

Arrival Temperature: See COC

Report Date: 11/19/2018

Date Received: 10/30/2018

Reprint Date: 12/05/2018

Revision Dat 12/05/2018

CT LAB#: 202511 Sample Description: LOT 15 DNR License/Well #: 0719/382 Sampled: 10/29/2018 1140

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|-------------------------|--------|-------|------|------|----------|-----------|-------------------|-----------------------|---------|-----------|
| Inorganic Results | | | | | | | | | | |
| Total Kjeldahl Nitrogen | <0.23 | mg/L | 0.23 | 0.76 | 1 | U | 10/31/2018 09:00 | 11/02/2018 14:0 | 6 MEZ | EPA 351.2 |
| Nitrate Nitrogen Total | <0.12 | mg/L | 0.12 | 0.40 | 1 | U | | 10/30/2018 17:5 | B TMG | EPA 300.0 |
| Nitrite Nitrogen Total | <0.14 | mg/L | 0.14 | 0.48 | 1 | U | | 10/30/2018 17:5 | B TMG | EPA 300.0 |
| Total Chloride | 1.4 | mg/L | 1.0 | 3.2 | 1 | J | | 10/30/2018 17:5 | B TMG | EPA 300.0 |
| Total Sulfate | 19 | mg/L | 0.80 | 2.5 | 1 | | | 10/30/2018 17:5 | B TMG | EPA 300.0 |

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CT LABORATORIE

REVISED
ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.

FRANK PERUGINI

W125 S9808 NORTH CAPE ROAD

MUSKEGO, WI 53150

Project Name: DELAFIELD LF

Project Phase:

Project #: 10-2018 Folder #: 140649

Purchase Order #:

Contract #: 3123

Page 1 of 5

Arrival Temperature: See COC

Report Date: 11/19/2018

Date Received: 10/30/2018

Reprint Date: 12/05/2018

Revision Dat 12/05/2018

CT LAB#: 202512 Sample Description: LOT 15 DNR License/Well #: 0719/382 Sampled: 10/29/2018 1140

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|----------------------|---------|----------|--------|--------|----------|-----------|-------------------|-----------------------|---------|-----------|
| Field Results | | | | | | | | | | |
| Color (Field) | CLEAR | | N/A | N/A | 1 | | | 10/29/2018 00:0 | 0 SUB | FIELD |
| Conductivity (Field) | 429 | umhos/cm | N/A | N/A | 1 | | | 10/29/2018 00:0 | 0 SUB | FIELD |
| Odor (Field) | NONE | | N/A | N/A | 1 | | | 10/29/2018 00:0 | 0 SUB | FIELD |
| pH (Field) | 7.68 | S.U. | N/A | N/A | 1 | | | 10/29/2018 00:0 | 0 SUB | FIELD |
| Temperature (Field) | 11.9 | Deg. C | N/A | N/A | 1 | | | 10/29/2018 00:0 | 0 SUB | FIELD |
| Turbidity (Field) | NONE | | N/A | N/A | 1 | | | 10/29/2018 00:0 | 0 SUB | FIELD |
| Inorganic Results | | | | | | | | | | |
| Alkalinity | 240 | mg/L | 4.0 | 4.0 | 1 | | | 11/09/2018 15: | 5 MEZ | SM 2320B |
| Total Cyanide | <0.0030 | mg/L | 0.0030 | 0.0090 | 1 | U | 11/05/2018 10:00 | 11/05/2018 12:5 | 5 LJS | EPA 335.4 |
| Metals Results | | | | | | | | | | |
| Total Barium | 50.4 | ug/L | 0.70 | 2.5 | 1 | | | 10/31/2018 19:3 | 0 NAH | EPA 200.7 |
| Total Beryllium | <0.38 | ug/L | 0.38 | 1.3 | 1 | U | | 10/31/2018 19:3 | 0 NAH | EPA 200.7 |
| Total Cadmium | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 10/31/2018 19:3 | 0 NAH | EPA 200.7 |
| Total Calcium | 50000 | ug/L | 31 | 110 | 1 | | | 10/31/2018 19:3 | 0 NAH | EPA 200.7 |
| Total Chromium | <2.0 | ug/L | 2.0 | 8.0 | 1 | U | | 10/31/2018 19:3 | 0 NAH | EPA 200.7 |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: 10-2018
Project Phase:

Contract #: 3123 Folder #: 140649 Page 2 of 5

CT LAB#: 202512 Sample Description:LOT 15 DNR License/Well #: 0719/382 Sampled: 10/29/2018 1140

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------------------------|--------|-------|-------|------|----------|-----------|-------------------|-----------------------|---------|----------------|
| Total Copper | <3.9 | ug/L | 3.9 | 13 | 1 | U | | 10/31/2018 19:3 | 0 NAH | EPA 200.7 |
| Total Iron | 265 | ug/L | 59 | 200 | 1 | | | 10/31/2018 19:3 | 0 NAH | EPA 200.7 |
| Total Magnesium | 22900 | ug/L | 25 | 84 | 1 | | | 10/31/2018 19:3 | 0 NAH | EPA 200.7 |
| Total Manganese | 5.3 | ug/L | 2.2 | 7.3 | 1 | J | | 10/31/2018 19:3 | 0 NAH | EPA 200.7 |
| Total Zinc | 261 | ug/L | 2.2 | 7.3 | 1 | | | 10/31/2018 19:3 | 0 NAH | EPA 200.7 |
| Total Antimony | <0.60 | ug/L | 0.60 | 1.9 | 1 | U | | 11/07/2018 12:3 | 1 MDS | EPA 200.9 |
| Total Arsenic | <0.60 | ug/L | 0.60 | 2.1 | 1 | U | 11/01/2018 09:00 | 11/01/2018 16:1 | 9 MDS | EPA 200.9 |
| Total Lead | 0.59 | ug/L | 0.43 | 1.4 | 1 | J | | 11/01/2018 11:5 | 1 MDS | EPA 200.9 |
| Total Selenium | <1.0 | ug/L | 1.0 | 3.4 | 1 | U | 11/01/2018 09:00 | 11/02/2018 10:3 | 9 MDS | EPA 200.9 |
| Total Thallium | <0.19 | ug/L | 0.19 | 0.61 | 1 | U | 11/01/2018 09:00 | 11/07/2018 17:0 | 8 MDS | EPA 200.9 |
| Total Sodium | 6.630 | mg/L | 0.030 | 0.10 | 1 | | | 10/31/2018 11:4 | 0 MDS | EPA 200.7 |
| Total Hardness | 219 | mg/L | 0.18 | 0.61 | 1 | | | 10/31/2018 19:3 | 0 NAH | SM 2340B/200.7 |
| Organic Results | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:5 | 0 AGK | EPA 524.2 |
| 1,1,1-Trichloroethane | <0.28 | ug/L | 0.28 | 0.93 | 1 | U | | 11/04/2018 20:5 | 0 AGK | EPA 524.2 |
| 1,1,2,2-Tetrachloroethane | <0.50 | ug/L | 0.50 | 1.6 | 1 | U | | 11/04/2018 20:5 | 0 AGK | EPA 524.2 |
| 1,1,2-Trichloroethane | <0.40 | ug/L | 0.40 | 1.3 | 1 | U | | 11/04/2018 20:5 | 0 AGK | EPA 524.2 |
| 1,1-Dichloroethane | <0.28 | ug/L | 0.28 | 0.95 | 1 | U | | 11/04/2018 20:5 | 0 AGK | EPA 524.2 |
| 1,1-Dichloroethene | < 0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 20:5 | 0 AGK | EPA 524.2 |
| 1,1-Dichloropropene | < 0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 20:5 | 0 AGK | EPA 524.2 |
| 1,2,3-Trichlorobenzene | <0.50 | ug/L | 0.50 | 1.6 | 1 | U | | 11/04/2018 20:5 | 0 AGK | EPA 524.2 |
| 1,2,3-Trichloropropane | <0.25 | ug/L | 0.25 | 0.83 | 1 | U | | 11/04/2018 20:5 | 0 AGK | EPA 524.2 |
| 1,2,4-Trichlorobenzene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 20:5 | 0 AGK | EPA 524.2 |
| 1,2,4-Trimethylbenzene | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 20:5 | 0 AGK | EPA 524.2 |
| 1,2-Dichlorobenzene | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 20:5 | 0 AGK | EPA 524.2 |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: 10-2018
Project Phase:

Contract #: 3123 Folder #: 140649 Page 3 of 5

CT LAB#: 202512 Sample Description:LOT 15 DNR License/Well #: 0719/382 Sampled: 10/29/2018 1140

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|-------------------------|--------|-------|------|------|----------|-----------|-------------------|-----------------------|---------|-----------|
| 1,2-Dichloroethane | <0.23 | ug/L | 0.23 | 0.76 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| 1,2-Dichloropropane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| 1,3,5-Trimethylbenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| 1,3-Dichlorobenzene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| 1,3-Dichloropropane | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| 1,4-Dichlorobenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| 2,2-Dichloropropane | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| 2-Chlorotoluene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| 4-Chlorotoluene | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| Benzene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| Bromobenzene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| Bromochloromethane | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| Bromodichloromethane | <0.24 | ug/L | 0.24 | 0.81 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| Bromoform | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| Bromomethane | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| Carbon tetrachloride | <0.28 | ug/L | 0.28 | 0.94 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| Chlorobenzene | <0.25 | ug/L | 0.25 | 0.84 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| Chlorodibromomethane | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| Chloroethane | <0.30 | ug/L | 0.30 | 1.3 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| Chloroform | <0.23 | ug/L | 0.23 | 0.78 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| Chloromethane | <0.19 | ug/L | 0.19 | 0.63 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| cis-1,2-Dichloroethene | <0.28 | ug/L | 0.28 | 0.94 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| cis-1,3-Dichloropropene | <0.22 | ug/L | 0.22 | 0.73 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |
| Dibromomethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:5 | AGK | EPA 524.2 |
| Dichlorodifluoromethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:5 | AGK | EPA 524.2 |
| Ethylbenzene | <0.27 | ug/L | 0.27 | 0.89 | 1 | U | | 11/04/2018 20:5 |) AGK | EPA 524.2 |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: 10-2018 Project Phase:

Contract #: 3123 Folder #: 140649

Page 4 of 5

CT LAB#: 202512 Sample Description:LOT 15

DNR License/Well #: 0719/382 Sampled: 10/29/2018 1140

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Analyst Date/Time | Method |
|---------------------------|--------|-------|------|------|----------|-----------|-------------------|-------------------------------|----------|
| Hexachlorobutadiene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| Isopropylbenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| Methyl tert-butyl ether | <0.26 | ug/L | 0.26 | 0.86 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| Methylene chloride | <0.30 | ug/L | 0.30 | 0.99 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| n-Butylbenzene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| n-Propylbenzene | <0.26 | ug/L | 0.26 | 0.85 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| Naphthalene | <0.50 | ug/L | 0.50 | 1.5 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| p-Isopropyltoluene | <0.25 | ug/L | 0.25 | 0.82 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| sec-Butylbenzene | <0.26 | ug/L | 0.26 | 0.85 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| Styrene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| tert-Butylbenzene | <0.24 | ug/L | 0.24 | 0.80 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| Tetrachloroethene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| Toluene | <0.25 | ug/L | 0.25 | 0.84 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| Total Xylene | <0.26 | ug/L | 0.26 | 0.88 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| trans-1,2-Dichloroethene | <0.23 | ug/L | 0.23 | 0.75 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| trans-1,3-Dichloropropene | <0.28 | ug/L | 0.28 | 0.93 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| Trichloroethene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| Trichlorofluoromethane | <0.24 | ug/L | 0.24 | 0.80 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |
| Vinyl chloride | <0.17 | ug/L | 0.17 | 0.58 | 1 | U | | 11/04/2018 20:50 AGK E | PA 524.2 |

Notes: All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts. "U" qualifier indicates concentration of analyte was below the detection limit. "J" qualifier indicates an estimated value between the LOD and LOQ.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Eric T. Korthals
Project Manager
Submitted by: 608-356-2760

Reason for Revis

corrected field data temperature on NR2B

| Code | <u>Description</u> QC Qualifiers | |
|------|--|--|
| В | Analyte detected in the associated Method Blank. | |
| С | Toxicity present in BOD sample. | Current CT Laboratories Certifications |
| D | Diluted Out. | |
| E | Safe, No Total Coliform detected. | Wisconsin (WDNR) Chemistry ID# 157066030 |
| F | Unsafe, Total Coliform detected, no E. Coli detected. | Wisconsin (DATCP) Bacteriology ID# 105-289 |
| G | Unsafe, Total Coliform detected and E. Coli detected. | Louisiana NELAP (primary) ID# ACC20160002 |
| Н | Holding time exceeded. | " · · · · · · · · · · · · · · · · · · · |
| I | Incubator temperature was outside acceptance limits during test period. | Illinois NELAP Lab ID# 200073 |
| J | Estimated value. | Kansas NELAP Lab ID# E-10368 |
| L | Significant peaks were detected outside the chromatographic window. | Virginia NELAP Lab ID# 460203 |
| М | Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits. | |
| N | Insufficient BOD oxygen depletion. | Maryland Lab ID# WI00061 |
| 0 | Complete BOD oxygen depletion. | ISO/IEC 17025-2005 A2LA Cert # 3806.01 |
| P | Concentration of analyte differs more than 40% between primary and confirmation analysis. | DoD-ELAP A2LA 3806.01 |
| Q | Laboratory Control Sample outside acceptance limits. | GA EPD Stipulation ID ACC20160002 |
| R | See Narrative at end of report. | GA EFD Stipulation ID ACC20100002 |
| S | Surrogate standard recovery outside acceptance limits due to apparent matrix effects. | |
| Т | Sample received with improper preservation or temperature. | |
| U | Analyte concentration was below detection limit. | |
| V | Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference | nce. |
| W | Sample amount received was below program minimum. | |
| Χ | Analyte exceeded calibration range. | |
| Υ | Replicate/Duplicate precision outside acceptance limits. | |
| Z | Specified calibration criteria was not met. | |

ENVIRONMENTAL SAMPLING CORPORATION

Dedicated to Environmental Monitoring, Science & Technology

December 6, 2018

John and Lynn Troka N11 W31230 Bunker Hill Delafield, WI 53018

Re: October 2018 Private Well Monitoring Results (PW-11)

Dear Mr. and Mrs. Troka:

Water samples were collected from your well located at N11 W31230 Bunker Hill on October 29, 2018 as part of the private well monitoring program associated with the closed Delafield Sanitary Transfer and Landfill. The samples were collected by Environmental Sampling Corporation (ESC) personnel and submitted to CT Laboratories, Inc. (WDNR Lab Certification #157066030) for analysis.

The water samples collected from the well were tested for the following semi-annual monitoring parameters: alkalinity, chloride, hardness, sulfate, cyanide, total kjeldahl nitrogen, nitrate, nitrite, arsenic, barium, beryllium, cadmium, calcium, chromium, copper, iron, magnesium, manganese, sodium, lead, antimony, selenium, thallium, zinc, and volatile organic compounds (VOCs). The VOC analysis covers a wide range of compounds that are generally found in household and industrial solvents, degreasers, cleaners, gases and petroleum products. The VOC analysis can detect the presence of more than forty compounds. In addition to the parameters listed above, the sample was tested in the field for pH, temperature, and specific conductance.

The Environmental Protection Agency (EPA) and the Wisconsin Department of Natural Resources (WDNR) have established groundwater quality standards for the protection of human health and the environment. Contaminant concentrations that are detected at levels less than the EPA Maximum Contaminant Level (MCL) and the WDNR Enforcement Standard (ES) are believed to be safe for a water supply. In general, the federal MCL and the Wisconsin ES levels are the same, though for some substances the Wisconsin ES is lower than the MCL. The EPA and WDNR have also established secondary or "aesthetic" standards for select inorganic parameters. These standards are based on the taste and appearance of the water rather than health effects.

No VOCs were detected at concentrations above the laboratory LOD and therefore, not above an applicable MCL or ES in the samples collected from your well. The concentrations of inorganic parameters were less than drinking water standards.

Main Office: P.O. Box 12 • Muskego, WI 53150-0012 • (414) 427-5033 • FAX (414) 427-5034

Mr. and Mrs. Troka December 6, 2018 Page 2

A summary of the water quality results and a copy of the CT Laboratories report are provided with this letter. Should you have any questions concerning our work at the landfill or the water quality results you have received, please feel free to call me at 414-427-5033.

Sincerely,

Environmental Sampling Corporation

Tracy Ipavec

Sr. Environmental Specialist

Attachments

cc: Jason Lowery: WDNR, Madison (electronic copy)

Frank Perugini: ESC (electronic copy)

DELAFIELD LANDFILL Private Well Monitoring Data

| 11 | | | | | | | | INORGANIC | PARAMETE | RS | | | | | | |
|-------------|------------|----------|-------------|-------------|-------------|--------|-----------|--------------|--------------|--------------|---------|---------|--------|-------------|---------------|-------------|
| | | | | | | | (EI | PA MCL or SN | ICL / WDNR I | ES or S) | | | | | | |
| N11 W31230 | Alkalinity | Hardness | Chloride | SO₄ | CN | TKN | Nitrate | Nitrite | As | Ва | Be | Cd | Ca | Cr | Cu | Fe |
| Bunker Hill | NS | NS | (250 / 250) | (250 / 250) | (0.2 / 0.2) | NS | (10 / 10) | (1 / 1) | (10 / 10) | (2000 /2000) | (4 / 4) | (5 / 5) | NS | (100 / 100) | (1300 / 1300) | (300 / 300) |
| DATE | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | ug/L | ug/L | ug/L | mg/L | ug//L | ug//L | ug/L |
| 10/30/17 | 360 | 392 | 150 | 21 | < 0.0040 | < 0.52 | 3.5 | < 0.040 | <0.60 | 87.7 | <0.38 | <0.40 | 90.9 | <2.0 | 108 | <59 |
| 04/27/18 | 360 | 345 M | <1.0 | 19 | < 0.0030 | < 0.23 | 3.5 | <0.14 | 0.66 | 85.1 | <0.38 | <0.40 | 76.8 M | <2.0 | 80.9 | <59 |
| 10/29/18 | 360 | 382 | 120 | 18 | < 0.0030 | 0.31 J | 3.3 | <0.14 | <0.60 | 77.5 | <0.38 | <0.40 | 85.4 | <2.0 | <3.9 | <59 |
| | | | | | | | | | | | • | | | | | · |
| | | | | | | | | | | | • | | | | | |

Notes:

Drinking water samples are unfiltered.

mg/L = milligrams per liter

ug/L = micrograms per liter

NS = no standard established

s.u. = standard units

-Manganese has NR140 standards for both Public Welfare (50 ug/L) and Public Health (300 ug/L).

J=Estimated concentration below laboratory quantitation level.

B=Analyte detected in the associated Method Blank.

EPA MCL: Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL)

EPA SMCL: Environmental Protection Agency (EPA) Secondary Maximum Contaminant Level (SMCL)

WDNR ES: Wisconsin Department of Natural Resources (WDNR) Enforcement Standard (ES)

EPA SMCL Standards / WDNR NR140 Public Welfare Standards: chloride, iron, manganese, sulfate, and zinc.

EPA MCL Standards / WDNR NR140 Public Health Standards: cyanide, nitrate, nitrite, arsenic, barium, beryllium, cadmium, chromium, copper, lead, antimony, selenium, thallium, and VOC's.

= Indicates an MCL, SMCL, or ES exceedance

Analyte abbreviations:

Se: selenium SO₄: sulfate Ba: barium Cr: chromium Mn: manganese CN: cyanide Be: beryllium Na: sodium TI: thallium Cu: copper TKN: total kjeldahl nitrogen Cd: cadmium Fe: iron Pb: lead Zn: zinc

As: arsenic Ca: calcium Mg: magnesium Sb: antimony

DELAFIELD LANDFILL Private Well Monitoring Data

| 11 | | | | NORGANIC P | | | | | FIE | LD PARAMETER | S | VOCs |
|-------------|--------|-----------|------|--------------|-------------|-----------|---------|---------------|------------|--------------|--------|---------------------|
| | | | (El | PA MCL or SM | CL / WDNR E | S) | | | | | | (EPA MCL / WDNR ES) |
| N11 W31230 | Mg | Mn# | Na | Pb | Sb | Se | TI | Zn | pН | Conductivity | Temp. | Chloromethane |
| Bunker Hill | NS | (50 / 50) | NS | (15 / 15) | (6 / 6) | (50 / 50) | (2 / 2) | (5000 / 5000) | NS | NS | NS | (NS / 30) |
| DATE | mg/L | ug/L | mg/L | ug/L | ug/L | ug/L | ug/L | ug/L | std. Units | umhos/cm | deg. C | ug/L |
| 10/30/17 | 40.0 | 7.0 J | 70.5 | 4.8 | <0.60 | <1.0 | <0.19 | 120 | 7.41 | 1,050 | 10.9 | <0.19 |
| 04/27/18 | 37.2 M | 86.9 | 57.9 | 1.3 | <0.60 | <1.0 | <0.19 | 50.4 | 7.60 | 915 | 12.7 | 0.47 J B |
| 10/29/18 | 41.1 | 4.8 J | 63.3 | < 0.43 | <0.60 | <1.0 | <0.19 | <2.2 | 7.50 | 983 | 11.3 | <0.19 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Notes:

Drinking water samples are unfiltered.

mg/L = milligrams per liter

ug/L = micrograms per liter

NS = no standard established

s.u. = standard units

#-Manganese has NR140 standards for both Public Welfare (50 ug/L) and Public Health (300 ug/L).

J=Estimated concentration below laboratory quantitation level.

B=Analyte detected in the associated Method Blank.

EPA MCL: Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL)

EPA SMCL: Environmental Protection Agency (EPA) Secondary Maximum Contaminant Level (SMCL)

Ca: calcium

WDNR ES: Wisconsin Department of Natural Resources (WDNR) Enforcement Standard (ES)

EPA SMCL Standards / WDNR NR140 Public Welfare Standards: chloride, iron, manganese, sulfate, and zinc.

EPA MCL Standards / WDNR NR140 Public Health Standards: cyanide, nitrate, nitrite, arsenic, barium, beryllium, cadmium, chromium, copper,

Sb: antimony

lead, antimony, selenium, thallium, and VOC's. = Indicates an MCL, SMCL, or ES exceedance

590 Analyte abbreviations:

As: arsenic

Cr: chromium SO₄: sulfate Ba: barium Mn: manganese Se: selenium CN: cyanide Be: beryllium Cu: copper TI: thallium Na: sodium TKN: total kjeldahl nitrogen Cd: cadmium Fe: iron Pb: lead Zn: zinc

Mg: magnesium

CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913

608-356-2760 • www.ctlaboratories.com

REVISED ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.

FRANK PERUGINI

W125 S9808 NORTH CAPE ROAD

MUSKEGO, WI 53150

Project Name: DELAFIELD LF

Project Phase:

Project #: 10-2018

Folder #: 140649

Purchase Order #:

Contract #: 3123

Page 1 of 2

Arrival Temperature: See COC

Report Date: 11/19/2018

Date Received: 10/30/2018

Reprint Date: 12/05/2018

Reprint Date: 12/05/2010

Revision Dat 12/05/2018

CT LAB#: 202504 Sample Description: 11 DNR License/Well #: 0719/235 Sampled: 10/29/2018 1110

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|-------------------------|--------|-------|------|------|----------|-----------|-------------------|-----------------------|---------|-----------|
| Inorganic Results | | | | | | | | | | |
| Total Kjeldahl Nitrogen | 0.31 | mg/L | 0.23 | 0.76 | 1 | J | 10/31/2018 09:00 | 11/02/2018 14:0 | O MEZ E | EPA 351.2 |
| Nitrate Nitrogen Total | 3.3 | mg/L | 0.12 | 0.40 | 1 | | | 10/30/2018 16:5 | B TMG I | EPA 300.0 |
| Nitrite Nitrogen Total | <0.14 | mg/L | 0.14 | 0.48 | 1 | U | | 10/30/2018 16:5 | B TMG I | EPA 300.0 |
| Total Chloride | 120 | mg/L | 10 | 32 | 10 | | | 10/31/2018 09:0 | B TMG E | EPA 300.0 |
| Total Sulfate | 18 | mg/L | 0.80 | 2.5 | 1 | | | 10/30/2018 16:5 | B TMG I | EPA 300.0 |



delivering more than data from your environmental analyses

REVISED ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.

FRANK PERUGINI

W125 S9808 NORTH CAPE ROAD

MUSKEGO, WI 53150

Project Name: DELAFIELD LF

Project Phase:

Project #: 10-2018

Folder #: 140649

Purchase Order #:

Contract #: 3123

Page 1 of 5

Arrival Temperature: See COC

Report Date: 11/19/2018

Date Received: 10/30/2018

Reprint Date: 12/05/2018

Revision Dat 12/05/2018

CT LAB#: 202506 Sample Description: 11 DNR License/Well #: 0719/235 Sampled: 10/29/2018 1110

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | | t Method |
|----------------------|---------|----------|--------|--------|----------|-----------|-------------------|-----------------------|----------|-----------|
| Field Results | | | | | | | | | | |
| Color (Field) | CLEAR | | N/A | N/A | 1 | | | 10/29/2018 00 | 0:00 SUB | FIELD |
| Conductivity (Field) | 983 | umhos/cm | N/A | N/A | 1 | | | 10/29/2018 00 | 0:00 SUB | FIELD |
| Odor (Field) | NONE | | N/A | N/A | 1 | | | 10/29/2018 00 | 0:00 SUB | FIELD |
| pH (Field) | 7.50 | S.U. | N/A | N/A | 1 | | | 10/29/2018 00 | 0:00 SUB | FIELD |
| Temperature (Field) | 11.3 | Deg. C | N/A | N/A | 1 | | | 10/29/2018 00 | 0:00 SUB | FIELD |
| Turbidity (Field) | NONE | | N/A | N/A | 1 | | | 10/29/2018 00 |):00 SUB | FIELD |
| Inorganic Results | | | | | | | | | | |
| Alkalinity | 360 | mg/L | 4.0 | 4.0 | 1 | | | 11/09/2018 15 | 5:15 MEZ | SM 2320B |
| Total Cyanide | <0.0030 | mg/L | 0.0030 | 0.0090 | 1 | U | 11/05/2018 10:00 | 11/05/2018 12 | 2:38 LJS | EPA 335.4 |
| Metals Results | | | | | | | | | | |
| Total Barium | 77.5 | ug/L | 0.70 | 2.5 | 1 | | | 10/31/2018 19 | 9:06 NAH | EPA 200.7 |
| Total Beryllium | <0.38 | ug/L | 0.38 | 1.3 | 1 | U | | 10/31/2018 19 | 9:06 NAH | EPA 200.7 |
| Total Cadmium | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 10/31/2018 19 | 9:06 NAH | EPA 200.7 |
| Total Calcium | 85400 | ug/L | 31 | 110 | 1 | | | 10/31/2018 19 | 9:06 NAH | EPA 200.7 |
| Total Chromium | <2.0 | ug/L | 2.0 | 8.0 | 1 | U | | 10/31/2018 19 | 9:06 NAH | EPA 200.7 |
| | | | | | | | | | | |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: 10-2018 Project Phase:

Contract #: 3123 Folder #: 140649

Page 2 of 5

CT LAB#: 202506 Sample Description:11 DNR License/Well #: 0719/235 Sampled: 10/29/2018 1110

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------------------------|--------|-------|-------|------|----------|-----------|-------------------|-----------------------|---------|----------------|
| Total Copper | <3.9 | ug/L | 3.9 | 13 | 1 | U | | 10/31/2018 19:0 | 6 NAH | EPA 200.7 |
| Total Iron | <59 | ug/L | 59 | 200 | 1 | U | | 10/31/2018 19:0 | 6 NAH | EPA 200.7 |
| Total Magnesium | 41100 | ug/L | 25 | 84 | 1 | | | 10/31/2018 19:0 | 6 NAH | EPA 200.7 |
| Total Manganese | 4.8 | ug/L | 2.2 | 7.3 | 1 | J | | 10/31/2018 19:0 | 6 NAH | EPA 200.7 |
| Total Zinc | <2.2 | ug/L | 2.2 | 7.3 | 1 | U | | 10/31/2018 19:0 | 6 NAH | EPA 200.7 |
| Total Antimony | <0.60 | ug/L | 0.60 | 1.9 | 1 | U | | 11/07/2018 12:1 | 2 MDS | EPA 200.9 |
| Total Arsenic | <0.60 | ug/L | 0.60 | 2.1 | 1 | U | 11/01/2018 09:00 | 11/01/2018 15:4 | 9 MDS | EPA 200.9 |
| Total Lead | <0.43 | ug/L | 0.43 | 1.4 | 1 | U | | 11/01/2018 11:2 | 9 MDS | EPA 200.9 |
| Total Selenium | <1.0 | ug/L | 1.0 | 3.4 | 1 | U | 11/01/2018 09:00 | 11/02/2018 10:2 | 2 MDS | EPA 200.9 |
| Total Thallium | <0.19 | ug/L | 0.19 | 0.61 | 1 | U | 11/01/2018 09:00 | 11/07/2018 16:4 | 4 MDS | EPA 200.9 |
| Total Sodium | 63.30 | mg/L | 0.030 | 0.10 | 1 | | | 10/31/2018 11:1 | 9 MDS | EPA 200.7 |
| Total Hardness | 382 | mg/L | 0.18 | 0.61 | 1 | | | 10/31/2018 19:0 | 6 NAH | SM 2340B/200.7 |
| Organic Results | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,1,1-Trichloroethane | <0.28 | ug/L | 0.28 | 0.93 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,1,2,2-Tetrachloroethane | <0.50 | ug/L | 0.50 | 1.6 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,1,2-Trichloroethane | <0.40 | ug/L | 0.40 | 1.3 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,1-Dichloroethane | <0.28 | ug/L | 0.28 | 0.95 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,1-Dichloroethene | < 0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,1-Dichloropropene | < 0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,2,3-Trichlorobenzene | <0.50 | ug/L | 0.50 | 1.6 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,2,3-Trichloropropane | <0.25 | ug/L | 0.25 | 0.83 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,2,4-Trichlorobenzene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,2,4-Trimethylbenzene | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,2-Dichlorobenzene | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: 10-2018
Project Phase:

Contract #: 3123 Folder #: 140649 Page 3 of 5

CT LAB#: 202506 Sample Description:11 DNR License/Well #: 0719/235 Sampled: 10/29/2018 1110

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|-------------------------|--------|-------|------|------|----------|-----------|-------------------|-----------------------|---------|-----------|
| 1,2-Dichloroethane | <0.23 | ug/L | 0.23 | 0.76 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,2-Dichloropropane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,3,5-Trimethylbenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,3-Dichlorobenzene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,3-Dichloropropane | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 1,4-Dichlorobenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 2,2-Dichloropropane | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 2-Chlorotoluene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| 4-Chlorotoluene | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| Benzene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| Bromobenzene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| Bromochloromethane | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| Bromodichloromethane | <0.24 | ug/L | 0.24 | 0.81 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| Bromoform | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| Bromomethane | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| Carbon tetrachloride | <0.28 | ug/L | 0.28 | 0.94 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| Chlorobenzene | <0.25 | ug/L | 0.25 | 0.84 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| Chlorodibromomethane | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| Chloroethane | <0.30 | ug/L | 0.30 | 1.3 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| Chloroform | <0.23 | ug/L | 0.23 | 0.78 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| Chloromethane | <0.19 | ug/L | 0.19 | 0.63 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| cis-1,2-Dichloroethene | <0.28 | ug/L | 0.28 | 0.94 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| cis-1,3-Dichloropropene | <0.22 | ug/L | 0.22 | 0.73 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| Dibromomethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| Dichlorodifluoromethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |
| Ethylbenzene | <0.27 | ug/L | 0.27 | 0.89 | 1 | U | | 11/04/2018 18:4 | 6 AGK | EPA 524.2 |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: 10-2018 Project Phase:

Contract #: 3123 Folder #: 140649

Page 4 of 5

CT LAB#: 202506 Sample Description:11

DNR License/Well #: 0719/235 Sampled: 10/29/2018 1110

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Analyst Method Date/Time |
|---------------------------|--------|-------|------|------|----------|-----------|-------------------|--------------------------------------|
| Hexachlorobutadiene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| Isopropylbenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| Methyl tert-butyl ether | <0.26 | ug/L | 0.26 | 0.86 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| Methylene chloride | < 0.30 | ug/L | 0.30 | 0.99 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| n-Butylbenzene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| n-Propylbenzene | <0.26 | ug/L | 0.26 | 0.85 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| Naphthalene | <0.50 | ug/L | 0.50 | 1.5 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| p-Isopropyltoluene | <0.25 | ug/L | 0.25 | 0.82 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| sec-Butylbenzene | <0.26 | ug/L | 0.26 | 0.85 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| Styrene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| tert-Butylbenzene | <0.24 | ug/L | 0.24 | 0.80 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| Tetrachloroethene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| Toluene | <0.25 | ug/L | 0.25 | 0.84 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| Total Xylene | <0.26 | ug/L | 0.26 | 0.88 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| trans-1,2-Dichloroethene | <0.23 | ug/L | 0.23 | 0.75 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| trans-1,3-Dichloropropene | <0.28 | ug/L | 0.28 | 0.93 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| Trichloroethene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| Trichlorofluoromethane | <0.24 | ug/L | 0.24 | 0.80 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |
| Vinyl chloride | <0.17 | ug/L | 0.17 | 0.58 | 1 | U | | 11/04/2018 18:46 AGK EPA 524.2 |

Notes: All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts. "U" qualifier indicates concentration of analyte was below the detection limit. "J" qualifier indicates an estimated value between the LOD and LOQ.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Eric T. Korthals
Project Manager
Submitted by: 608-356-2760

Reason for Revis

corrected field data temperature on NR2B

| Code | <u>Description</u> | QC Qualifiers | |
|------|--|--|--|
| В | Analyte detected in the associated Method Blank. | | |
| С | Toxicity present in BOD sample. | | Current CT Laboratories Certifications |
| D | Diluted Out. | | |
| E | Safe, No Total Coliform detected. | | Wisconsin (WDNR) Chemistry ID# 157066030 |
| F | Unsafe, Total Coliform detected, no E. Coli detecte | d. | Wisconsin (DATCP) Bacteriology ID# 105-289 |
| G | Unsafe, Total Coliform detected and E. Coli detected | ed. | Louisiana NELAP (primary) ID# ACC20160002 |
| Н | Holding time exceeded. | | " Z, |
| 1 | Incubator temperature was outside acceptance lim | its during test period. | Illinois NELAP Lab ID# 200073 |
| J | Estimated value. | | Kansas NELAP Lab ID# E-10368 |
| L | Significant peaks were detected outside the chrom | atographic window. | Virginia NELAP Lab ID# 460203 |
| M | Matrix spike and/or Matrix Spike Duplicate recover | y outside acceptance limits. | |
| N | Insufficient BOD oxygen depletion. | | Maryland Lab ID# WI00061 |
| 0 | Complete BOD oxygen depletion. | | ISO/IEC 17025-2005 A2LA Cert # 3806.01 |
| Р | Concentration of analyte differs more than 40% be | tween primary and confirmation analysis. | DoD-ELAP A2LA 3806.01 |
| Q | Laboratory Control Sample outside acceptance lim | its. | GA EPD Stipulation ID ACC20160002 |
| R | See Narrative at end of report. | | GA EFD Stipulation ID ACC20100002 |
| S | Surrogate standard recovery outside acceptance li | mits due to apparent matrix effects. | |
| T | Sample received with improper preservation or ten | pperature. | |
| U | Analyte concentration was below detection limit. | | |
| ٧ | Raised Quantitation or Reporting Limit due to limit | ed sample amount or dilution for matrix background interference. | |
| W | Sample amount received was below program minir | num. | |
| X | Analyte exceeded calibration range. | | |
| Υ | Replicate/Duplicate precision outside acceptance I | imits. | |
| Z | Specified calibration criteria was not met. | | |
| | | | |
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ENVIRONMENTAL SAMPLING CORPORATION

Dedicated to Environmental Monitoring, Science & Technology

December 6, 2018

Mr. Ward Gronewold W311 N1052 Fairfield Way Delafield, WI 53018

Re: October 2018 Private Well Monitoring Results (PW-13)

Dear Mr. Gronewold:

Water samples were collected from your well located at W311 N1052 Fairfield Way on October 30, 2018 as part of the private well monitoring program associated with the closed Delafield Sanitary Transfer and Landfill. The samples were collected by Environmental Sampling Corporation (ESC) personnel and submitted to CT Laboratories, Inc. (WDNR Lab Certification #157066030) for analysis.

The water samples collected from the well were tested for the following semi-annual monitoring parameters: alkalinity, chloride, hardness, sulfate, cyanide, total kjeldahl nitrogen, nitrate, nitrite, arsenic, barium, beryllium, cadmium, calcium, chromium, copper, iron, magnesium, manganese, sodium, lead, antimony, selenium, thallium, zinc, and volatile organic compounds (VOCs). The VOC analysis covers a wide range of compounds that are generally found in household and industrial solvents, degreasers, cleaners, gases and petroleum products. The VOC analysis can detect the presence of more than forty compounds. In addition to the parameters listed above, the sample was tested in the field for pH, temperature, and specific conductance.

The Environmental Protection Agency (EPA) and the Wisconsin Department of Natural Resources (WDNR) have established groundwater quality standards for the protection of human health and the environment. Contaminant concentrations that are detected at levels less than the EPA Maximum Contaminant Level (MCL) and the WDNR Enforcement Standard (ES) are believed to be safe for a water supply. In general, the federal MCL and the Wisconsin ES levels are the same, though for some substances the Wisconsin ES is lower than the MCL. The EPA and WDNR have also established secondary or "aesthetic" standards for select inorganic parameters. These standards are based on the taste and appearance of the water rather than health effects.

No VOCs were detected at concentrations above the laboratory LOD and therefore, not above an applicable MCL or ES in the samples collected from your well. The concentrations of inorganic parameters were less than drinking water standards.

Main Office: P.O. Box 12 • Muskego, WI 53150-0012 • (414) 427-5033 • FAX (414) 427-5034

A summary of the water quality results and a copy of the CT Laboratories report are provided with this letter. Should you have any questions concerning our work at the landfill or the water quality results you have received, please feel free to call me at 414-427-5033.

Sincerely,

Environmental Sampling Corporation

Tracy Ipavec

Sr. Environmental Specialist

Attachments

cc: Jason Lowery: WDNR, Madison (electronic copy)

Frank Perugini: ESC (electronic copy)

DELAFIELD LANDFILL Private Well Monitoring Data

| 13 | | | | | | | | INORGANIC | PARAMETE | RS | | | | | | |
|---------------|------------|----------------------------------|-------------|-------------|-------------|--------|-----------|-----------|-----------|--------------|---------|---------|------|-------------|---------------|-------------|
| 13 | | (EPA MCL or SMCL / WDNR ES or S) | | | | | | | | | | | | | | |
| W311 N1052 | Alkalinity | Hardness | Chloride | SO₄ | CN | TKN | Nitrate | Nitrite | As | Ва | Be | Cd | Ca | Cr | Cu | Fe |
| Fairfield Way | NS | NS | (250 / 250) | (250 / 250) | (0.2 / 0.2) | NS | (10 / 10) | (1 / 1) | (10 / 10) | (2000 /2000) | (4 / 4) | (5 / 5) | NS | (100 / 100) | (1300 / 1300) | (300 / 300) |
| DATE | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | ug/L | ug/L | ug/L | mg/L | ug//L | ug//L | ug/L |
| 11/01/17 | 310 | 303 | 24 | 40 | < 0.0040 | <0.52 | 0.52 | < 0.040 | <0.60 | 88.7 | <0.38 | <0.40 | 60.8 | <2.0 | 115 | 505 |
| 04/27/18 | 320 | 292 | 15 | 39 | < 0.0030 | < 0.23 | 0.46 | <0.14 | <0.60 | 105 | <0.38 | <0.40 | 56.5 | <2.0 | 13.5 | <59 |
| 10/30/18 | 300 | 343 | 16 | 34 M | < 0.0030 | < 0.23 | 0.56 | <0.14 | <0.60 | 110 | <0.38 | <0.40 | 65.8 | <2.0 | 9.0 | 69.4 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | • | | | | · | · |
| | | | | | | | | | | | • | | | | · | · |

Notes:

Drinking water samples are unfiltered.

mg/L = milligrams per liter

ug/L = micrograms per liter

NS = no standard established

s.u. = standard units

-Manganese has NR140 standards for both Public Welfare (50 ug/L) and Public Health (300 ug/L).

J=Estimated concentration below laboratory quantitation level.

B=Analyte detected in the associated Method Blank.

M=Matrix Spike and/or Matrix Spike Duplicate recover outside acceptable limits.

EPA MCL: Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL)

EPA SMCL: Environmental Protection Agency (EPA) Secondary Maximum Contaminant Level (SMCL)

WDNR ES: Wisconsin Department of Natural Resources (WDNR) Enforcement Standard (ES)

EPA SMCL Standards / WDNR NR140 Public Welfare Standards: chloride, iron, manganese, sulfate, and zinc.

EPA MCL Standards / WDNR NR140 Public Health Standards: cyanide, nitrate, nitrite, arsenic, barium, beryllium, cadmium, chromium, copper, lead, antimony, selenium, thallium, and VOC's.

= Indicates an MCL, SMCL, or ES exceedance

Analyte abbreviations:

 SO₄: sulfate
 Ba: barium
 Cr: chromium
 Mn: manganese
 Se: selenium

 CN: cyanide
 Be: beryllium
 Cu: copper
 Na: sodium
 TI: thallium

 TKN: total kjeldahl nitrogen
 Cd: cadmium
 Fe: iron
 Pb: lead
 Zn: zinc

As: arsenic Ca: calcium Mg: magnesium Sb: antimony

DELAFIELD LANDFILL Private Well Monitoring Data

| 13 | | | | NORGANIC P | | | | | FIE | LD PARAMETER | S | VOCs |
|---------------|------|-----------|------|--------------|-------------|-----------|---------|---------------|------------|--------------|--------|---------------------|
| | | | (EF | PA MCL or SM | CL / WDNR E | S) | | | | | | (EPA MCL / WDNR ES) |
| W311 N1052 | Mg | Mn# | Na | Pb | Sb | Se | TI | Zn | рН | Conductivity | Temp. | Chloromethane |
| Fairfield Way | NS | (50 / 50) | NS | (15 / 15) | (6 / 6) | (50 / 50) | (2 / 2) | (5000 / 5000) | NS | NS | NS | (NS / 30) |
| DATE | mg/L | ug/L | mg/L | ug/L | ug/L | ug/L | ug/L | ug/L | std. Units | umhos/cm | deg. C | ug/L |
| 11/01/17 | 36.7 | 6.1 J | 9.75 | 7.7 | < 0.60 | <1.0 | <0.19 | 113 | 7.08 | 673 | 15.3 | <0.19 |
| 04/27/18 | 36.7 | <2.2 | 8.65 | 1.6 | <0.60 | <1.0 | <0.19 | 8.3 | 7.54 | 599 | 11.8 | 0.34 J B |
| 10/30/18 | 43.3 | <2.2 | 6.83 | < 0.43 | <0.60 | <1.0 | <0.19 | <2.2 | 7.19 | 409 | 12.1 | <0.19 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Notes:

Drinking water samples are unfiltered.

mg/L = milligrams per liter

ug/L = micrograms per liter

NS = no standard established

s.u. = standard units

-Manganese has NR140 standards for both Public Welfare (50 ug/L) and Public Health (300 ug/L).

J=Estimated concentration below laboratory quantitation level.

B=Analyte detected in the associated Method Blank.

M=Matrix Spike and/or Matrix Spike Duplicate recover outside acceptable limits.

EPA MCL: Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL)

EPA SMCL: Environmental Protection Agency (EPA) Secondary Maximum Contaminant Level (SMCL)

WDNR ES: Wisconsin Department of Natural Resources (WDNR) Enforcement Standard (ES)

EPA SMCL Standards / WDNR NR140 Public Welfare Standards: chloride, iron, manganese, sulfate, and zinc.

EPA MCL Standards / WDNR NR140 Public Health Standards: cyanide, nitrate, nitrite, arsenic, barium, beryllium, cadmium, chromium, copper,

lead, antimony, selenium, thallium, and VOC's.

505

= Indicates an MCL, SMCL, or ES exceedance

Analyte abbreviations:

SO₄: sulfate Ba: barium Cr: chromium Mn: manganese Se: selenium CN: cyanide Be: beryllium Cu: copper Na: sodium TI: thallium TKN: total kjeldahl nitrogen Cd: cadmium Fe: iron Pb: lead Zn: zinc As: arsenic Ca: calcium Mg: magnesium Sb: antimony

CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913

608-356-2760 • www.ctlaboratories.com

Page 1 of 2

Arrival Temperature: See COC

ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.

FRANK PERUGINI

W125 S9808 NORTH CAPE ROAD

MUSKEGO, WI 53150

Project Name: DELAFIELD LF

Project Phase:

 Project #:
 Report Date: 11/19/2018

 Folder #: 140712
 Date Received: 11/01/2018

 Purchase Order #:
 Reprint Date: 12/05/2018

Contract #: 3123

CT LAB#: 203713 Sample Description: P.W.-13 DNR License/Well #: 0719/237 Sampled: 10/30/2018 1045

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|-------------------------|--------|-------|------|------|----------|-----------|-------------------|-----------------------|---------|-----------|
| Inorganic Results | | | | | | | | | | |
| Total Kjeldahl Nitrogen | <0.23 | mg/L | 0.23 | 0.76 | 1 | U M | 11/07/2018 14:00 | 11/09/2018 11:46 | LJS | EPA 351.2 |
| Nitrate Nitrogen Total | 0.56 | mg/L | 0.12 | 0.40 | 1 | | | 11/01/2018 10:46 | TMG | EPA 300.0 |
| Nitrite Nitrogen Total | <0.14 | mg/L | 0.14 | 0.48 | 1 | U | | 11/01/2018 10:46 | TMG | EPA 300.0 |
| Total Chloride | 16 | mg/L | 1.0 | 3.2 | 1 | | | 11/01/2018 10:46 | TMG | EPA 300.0 |
| Total Sulfate | 34 | mg/L | 0.80 | 2.5 | 1 | М | | 11/01/2018 10:46 | TMG | EPA 300.0 |



delivering more than data from your environmental analyses

ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.

FRANK PERUGINI

W125 S9808 NORTH CAPE ROAD

MUSKEGO, WI 53150

Project Name: DELAFIELD LF

Project Phase:

Project #:

Folder #: 140712

Purchase Order #:

Contract #: 3123

Page 1 of 5

Arrival Temperature: See COC

Report Date: 11/19/2018

Date Received: 11/01/2018

Reprint Date: 11/19/2018

CT LAB#: 203714 Sample Description: P.W.-13 DNR License/Well #: 0719/237 Sampled: 10/30/2018 1045

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|----------------------|---------|----------|--------|--------|----------|-----------|-------------------|-----------------------|---------|-----------|
| Field Results | | | | | | | | | | |
| Color (Field) | CLEAR | | N/A | N/A | 1 | | | 10/30/2018 00:0 | 00 SUB | FIELD |
| Conductivity (Field) | 409 | umhos/cm | N/A | N/A | 1 | | | 10/30/2018 00:0 | 00 SUB | FIELD |
| Odor (Field) | NONE | | N/A | N/A | 1 | | | 10/30/2018 00:0 | 00 SUB | FIELD |
| pH (Field) | 7.19 | S.U. | N/A | N/A | 1 | | | 10/30/2018 00:0 | 00 SUB | FIELD |
| Temperature (Field) | 12.1 | Deg. C | N/A | N/A | 1 | | | 10/30/2018 00:0 | 00 SUB | FIELD |
| Turbidity (Field) | NONE | | N/A | N/A | 1 | | | 10/30/2018 00:0 | 00 SUB | FIELD |
| Inorganic Results | | | | | | | | | | |
| Alkalinity | 300 | mg/L | 4.0 | 4.0 | 1 | | | 11/09/2018 15:1 | 15 MEZ | SM 2320B |
| Total Cyanide | <0.0030 | mg/L | 0.0030 | 0.0090 | 1 | U | 11/05/2018 10:00 | 11/05/2018 13:2 | 23 LJS | EPA 335.4 |
| Metals Results | | | | | | | | | | |
| Total Barium | 110 | ug/L | 0.70 | 2.5 | 1 | | | 11/06/2018 20:2 | 7 NAH | EPA 200.7 |
| Total Beryllium | <0.38 | ug/L | 0.38 | 1.3 | 1 | U | | 11/06/2018 20:2 | 7 NAH | EPA 200.7 |
| Total Cadmium | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/06/2018 20:2 | 7 NAH | EPA 200.7 |
| Total Calcium | 65800 | ug/L | 31 | 110 | 1 | | | 11/06/2018 20:2 | 7 NAH | EPA 200.7 |
| Total Chromium | <2.0 | ug/L | 2.0 | 8.0 | 1 | U | | 11/06/2018 20:2 | 7 NAH | EPA 200.7 |
| | | | | | | | | | | |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: Project Phase: Contract #: 3123 Folder #: 140712 Page 2 of 5

CT LAB#: 203714 Sample Description:P.W.-13

DNR License/Well #: 0719/237

Sampled: 10/30/2018 1045

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------------------------|--------|-------|-------|------|----------|-----------|-------------------|-----------------------|---------|----------------|
| Total Copper | 9.0 | ug/L | 3.9 | 13 | 1 | J | | 11/06/2018 20:2 | 7 NAH | EPA 200.7 |
| Total Iron | 69.4 | ug/L | 59 | 200 | 1 | J | | 11/06/2018 20:2 | 7 NAH | EPA 200.7 |
| Total Magnesium | 43300 | ug/L | 25 | 84 | 1 | | | 11/06/2018 20:2 | 7 NAH | EPA 200.7 |
| Total Manganese | <2.2 | ug/L | 2.2 | 7.3 | 1 | U | | 11/06/2018 20:2 | 7 NAH | EPA 200.7 |
| Total Zinc | <2.2 | ug/L | 2.2 | 7.3 | 1 | U | | 11/06/2018 20:2 | 7 NAH | EPA 200.7 |
| Total Antimony | <0.60 | ug/L | 0.60 | 1.9 | 1 | U | | 11/07/2018 12:5 | 6 MDS | EPA 200.9 |
| Total Arsenic | <0.60 | ug/L | 0.60 | 2.1 | 1 | U | 11/05/2018 12:30 | 11/06/2018 09:2 | B MDS | EPA 200.9 |
| Total Lead | <0.43 | ug/L | 0.43 | 1.4 | 1 | U | | 11/08/2018 09:4 | 5 MDS | EPA 200.9 |
| Total Selenium | <1.0 | ug/L | 1.0 | 3.4 | 1 | U | 11/05/2018 12:30 | 11/06/2018 14:3 | 6 MDS | EPA 200.9 |
| Total Thallium | <0.19 | ug/L | 0.19 | 0.61 | 1 | U M | 11/06/2018 09:30 | 11/08/2018 07:3 | 4 MDS | EPA 200.9 |
| Total Sodium | 6.830 | mg/L | 0.030 | 0.10 | 1 | | | 11/05/2018 11:0 |) MDS | EPA 200.7 |
| Total Hardness | 343 | mg/L | 0.18 | 0.61 | 1 | | | 11/06/2018 20:2 | 7 NAH | SM 2340B/200.7 |
| Organic Results | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:5 | 2 AGK | EPA 524.2 |
| 1,1,1-Trichloroethane | <0.28 | ug/L | 0.28 | 0.93 | 1 | U | | 11/04/2018 21:5 | 2 AGK | EPA 524.2 |
| 1,1,2,2-Tetrachloroethane | <0.50 | ug/L | 0.50 | 1.6 | 1 | U | | 11/04/2018 21:5 | 2 AGK | EPA 524.2 |
| 1,1,2-Trichloroethane | <0.40 | ug/L | 0.40 | 1.3 | 1 | U | | 11/04/2018 21:5 | 2 AGK | EPA 524.2 |
| 1,1-Dichloroethane | <0.28 | ug/L | 0.28 | 0.95 | 1 | U | | 11/04/2018 21:5 | 2 AGK | EPA 524.2 |
| 1,1-Dichloroethene | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 21:5 | 2 AGK | EPA 524.2 |
| 1,1-Dichloropropene | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 21:5 | 2 AGK | EPA 524.2 |
| 1,2,3-Trichlorobenzene | <0.50 | ug/L | 0.50 | 1.6 | 1 | U | | 11/04/2018 21:5 | 2 AGK | EPA 524.2 |
| 1,2,3-Trichloropropane | <0.25 | ug/L | 0.25 | 0.83 | 1 | U | | 11/04/2018 21:5 | 2 AGK | EPA 524.2 |
| 1,2,4-Trichlorobenzene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 21:5 | 2 AGK | EPA 524.2 |
| 1,2,4-Trimethylbenzene | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 21:5 | 2 AGK | EPA 524.2 |
| 1,2-Dichlorobenzene | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 21:5 | 2 AGK | EPA 524.2 |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #:
Project Phase:

Contract #: 3123 Folder #: 140712 Page 3 of 5

CT LAB#: 203714 Sample Description:P.W.-13

DNR License/Well #: 0719/237

Sampled: 10/30/2018 1045

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|-------------------------|--------|-------|------|------|----------|-----------|-------------------|-----------------------|---------|-----------|
| 1,2-Dichloroethane | <0.23 | ug/L | 0.23 | 0.76 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| 1,2-Dichloropropane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| 1,3,5-Trimethylbenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| 1,3-Dichlorobenzene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| 1,3-Dichloropropane | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| 1,4-Dichlorobenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| 2,2-Dichloropropane | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| 2-Chlorotoluene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| 4-Chlorotoluene | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| Benzene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| Bromobenzene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| Bromochloromethane | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| Bromodichloromethane | <0.24 | ug/L | 0.24 | 0.81 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| Bromoform | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| Bromomethane | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| Carbon tetrachloride | <0.28 | ug/L | 0.28 | 0.94 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| Chlorobenzene | <0.25 | ug/L | 0.25 | 0.84 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| Chlorodibromomethane | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| Chloroethane | <0.30 | ug/L | 0.30 | 1.3 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| Chloroform | <0.23 | ug/L | 0.23 | 0.78 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| Chloromethane | <0.19 | ug/L | 0.19 | 0.63 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| cis-1,2-Dichloroethene | <0.28 | ug/L | 0.28 | 0.94 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| cis-1,3-Dichloropropene | <0.22 | ug/L | 0.22 | 0.73 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| Dibromomethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| Dichlorodifluoromethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |
| Ethylbenzene | <0.27 | ug/L | 0.27 | 0.89 | 1 | U | | 11/04/2018 21:52 | 2 AGK | EPA 524.2 |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: Project Phase: Contract #: 3123 Folder #: 140712 Page 4 of 5

CT LAB#: 203714 Sample Description:P.W.-13

DNR License/Well #: 0719/237

Sampled: 10/30/2018 1045

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Analyst Method Date/Time |
|---------------------------|--------|-------|------|------|----------|-----------|-------------------|--------------------------------------|
| Hexachlorobutadiene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| Isopropylbenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| Methyl tert-butyl ether | <0.26 | ug/L | 0.26 | 0.86 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| Methylene chloride | <0.30 | ug/L | 0.30 | 0.99 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| n-Butylbenzene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| n-Propylbenzene | <0.26 | ug/L | 0.26 | 0.85 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| Naphthalene | <0.50 | ug/L | 0.50 | 1.5 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| p-Isopropyltoluene | <0.25 | ug/L | 0.25 | 0.82 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| sec-Butylbenzene | <0.26 | ug/L | 0.26 | 0.85 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| Styrene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| tert-Butylbenzene | <0.24 | ug/L | 0.24 | 0.80 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| Tetrachloroethene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| Toluene | <0.25 | ug/L | 0.25 | 0.84 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| Total Xylene | <0.26 | ug/L | 0.26 | 0.88 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| trans-1,2-Dichloroethene | <0.23 | ug/L | 0.23 | 0.75 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| trans-1,3-Dichloropropene | <0.28 | ug/L | 0.28 | 0.93 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| Trichloroethene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| Trichlorofluoromethane | <0.24 | ug/L | 0.24 | 0.80 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |
| Vinyl chloride | <0.17 | ug/L | 0.17 | 0.58 | 1 | U | | 11/04/2018 21:52 AGK EPA 524.2 |

Notes: All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts. "U" qualifier indicates concentration of analyte was below the detection limit. "J" qualifier indicates an estimated value between the LOD and LOQ.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Brett M. Szymanski Project Manager Submitted by: 608-356-2760

| <u>Code</u> | <u>Description</u> | QC Qualifiers | |
|-------------|--|---|--|
| В | Analyte detected in the associated Method Blank. | | |
| С | Toxicity present in BOD sample. | | Current CT Laboratories Certifications |
| D | Diluted Out. | | Current CT Laboratories Certifications |
| E | Safe, No Total Coliform detected. | | Wisconsin (WDNR) Chemistry ID# 157066030 |
| F | Unsafe, Total Coliform detected, no E. Coli detected | | Wisconsin (DATCP) Bacteriology ID# 105-289 |
| G | Unsafe, Total Coliform detected and E. Coli detected | l. | Louisiana NELAP (primary) ID# ACC20160002 |
| Н | Holding time exceeded. | | The state of the s |
| I | Incubator temperature was outside acceptance limit | s during test period. | Illinois NELAP Lab ID# 200073 |
| J | Estimated value. | | Kansas NELAP Lab ID# E-10368 |
| L | Significant peaks were detected outside the chroma | tographic window. | Virginia NELAP Lab ID# 460203 |
| M | Matrix spike and/or Matrix Spike Duplicate recovery | outside acceptance limits. | • |
| N | Insufficient BOD oxygen depletion. | | Maryland Lab ID# WI00061 |
| 0 | Complete BOD oxygen depletion. | | ISO/IEC 17025-2005 A2LA Cert # 3806.01 |
| Р | Concentration of analyte differs more than 40% between | veen primary and confirmation analysis. | DoD-ELAP A2LA 3806.01 |
| Q | Laboratory Control Sample outside acceptance limi | s. | GA EPD Stipulation ID ACC20160002 |
| R | See Narrative at end of report. | | GA EFD Stipulation ID ACC20 100002 |
| S | Surrogate standard recovery outside acceptance lin | nits due to apparent matrix effects. | |
| T | Sample received with improper preservation or tem | perature. | |
| U | Analyte concentration was below detection limit. | | |
| V | Raised Quantitation or Reporting Limit due to limite | d sample amount or dilution for matrix background interference. | |
| W | Sample amount received was below program minim | um. | |
| X | Analyte exceeded calibration range. | | |
| Υ | Replicate/Duplicate precision outside acceptance li | nits. | |
| Z | Specified calibration criteria was not met. | | |
| | | | |

ENVIRONMENTAL SAMPLING CORPORATION

Dedicated to Environmental Monitoring, Science & Technology

December 6, 2018

James and Rita Lofy N9 W31146 Concord Ct. Delafield, WI 53018

Re: October 2018 Private Well Monitoring Results (PW-15)

Dear Mr. and Mrs. Lofy:

Water samples were collected from your well located at N9 W31146 Concord Court on October 29, 2018 as part of the private well monitoring program associated with the closed Delafield Sanitary Transfer and Landfill. The samples were collected by Environmental Sampling Corporation (ESC) personnel and submitted to CT Laboratories, Inc. (WDNR Lab Certification #157066030) for analysis.

The water samples collected from the well were tested for the following semi-annual monitoring parameters: alkalinity, chloride, hardness, sulfate, cyanide, total kjeldahl nitrogen, nitrate, nitrite, arsenic, barium, beryllium, cadmium, calcium, chromium, copper, iron, magnesium, manganese, sodium, lead, antimony, selenium, thallium, zinc, and volatile organic compounds (VOCs). The VOC analysis covers a wide range of compounds that are generally found in household and industrial solvents, degreasers, cleaners, gases and petroleum products. The VOC analysis can detect the presence of more than forty compounds. In addition to the parameters listed above, the sample was tested in the field for pH, temperature, and specific conductance.

The Environmental Protection Agency (EPA) and the Wisconsin Department of Natural Resources (WDNR) have established groundwater quality standards for the protection of human health and the environment. Contaminant concentrations that are detected at levels less than the EPA Maximum Contaminant Level (MCL) and the WDNR Enforcement Standard (ES) are believed to be safe for a water supply. In general, the federal MCL and the Wisconsin ES levels are the same, though for some substances the Wisconsin ES is lower than the MCL. The EPA and WDNR have also established secondary or "aesthetic" standards for select inorganic parameters. These standards are based on the taste and appearance of the water rather than health effects.

No VOCs were detected at concentrations above the laboratory LOD and therefore, not above an applicable MCL or ES in the samples collected from your well. The concentrations of inorganic parameters were less than drinking water standards.

Main Office: P.O. Box 12 • Muskego, WI 53150-0012 • (414) 427-5033 • FAX (414) 427-5034

A summary of the water quality results and a copy of the CT Laboratories report are provided with this letter. Should you have any questions concerning our work at the landfill or the water quality results you have received, please feel free to call me at 414-427-5033.

Sincerely,

Environmental Sampling Corporation

Tracy Ipavec

Sr. Environmental Specialist

Attachments

cc: Jason Lowery: WDNR, Madison (electronic copy)

Frank Perugini: ESC (electronic copy)

DELAFIELD LANDFILL Private Well Monitoring Data

| 15 | INORGANIC PARAMETERS | | | | | | | | | | | | | | | |
|-------------|----------------------|----------------------------------|-------------|-------------|-------------|--------|-----------|---------|-----------|--------------|---------|---------|------|-------------|---------------|-------------|
| 13 | | (EPA MCL or SMCL / WDNR ES or S) | | | | | | | | | | | | | | |
| N9 W31146 | Alkalinity | Hardness | Chloride | SO₄ | CN | TKN | Nitrate | Nitrite | As | Ва | Ве | Cd | Ca | Cr | Cu | Fe |
| Concord Ct. | NS | NS | (250 / 250) | (250 / 250) | (0.2 / 0.2) | NS | (10 / 10) | (1 / 1) | (10 / 10) | (2000 /2000) | (4 / 4) | (5 / 5) | NS | (100 / 100) | (1300 / 1300) | (300 / 300) |
| DATE | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | ug/L | ug/L | ug/L | mg/L | ug//L | ug//L | ug/L |
| 10/30/17 | 320 | 342 | 30 | 56 | < 0.0040 | < 0.52 | 1.4 | < 0.040 | < 0.60 | 123 | <0.38 | <0.40 | 71.3 | <2.0 | 49.6 | <59 |
| 04/27/18 | 330 | 317 | 25 | 53 | < 0.0030 | <0.23 | 1.3 | <0.14 | <0.60 | 136 | <0.38 | <0.40 | 62.7 | <2.0 | 4.5 J | <59 |
| 10/29/18 | 320 | 344 | 25 | 52 | < 0.0030 | <0.23 | 1.4 | <0.14 | <0.60 | 132 | <0.38 | <0.40 | 68.2 | <2.0 | 4.9 J | <59 |
| | | | | | | | | | | | • | | | | | |

Notes:

Drinking water samples are unfiltered.

mg/L = milligrams per liter

ug/L = micrograms per liter

NS = no standard established

s.u. = standard units

-Manganese has NR140 standards for both Public Welfare (50 ug/L) and Public Health (300 ug/L).

J=Estimated concentration below laboratory quantitation level.

B=Analyte detected in the associated Method Blank.

EPA MCL: Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL)

EPA SMCL: Environmental Protection Agency (EPA) Secondary Maximum Contaminant Level (SMCL)

WDNR ES: Wisconsin Department of Natural Resources (WDNR) Enforcement Standard (ES)

EPA SMCL Standards / WDNR NR140 Public Welfare Standards: chloride, iron, manganese, sulfate, and zinc.

EPA MCL Standards / WDNR NR140 Public Health Standards: cyanide, nitrate, nitrite, arsenic, barium, beryllium, cadmium, chromium, copper, lead, antimony, selenium, thallium, and VOC's.

lead, and more, selenium, mailium, and voc s

= Indicates an MCL, SMCL, or ES exceedance

Analyte abbreviations:

Cr: chromium Se: selenium SO₄: sulfate Ba: barium Mn: manganese CN: cyanide Na: sodium TI: thallium Be: beryllium Cu: copper TKN: total kjeldahl nitrogen Cd: cadmium Pb: lead Zn: zinc Fe: iron As: arsenic Ca: calcium Mg: magnesium Sb: antimony

DELAFIELD LANDFILL Private Well Monitoring Data

| 15 | | | I | NORGANIC P | FIE | LD PARAMETERS | VOCs | | | | | |
|-------------|------|-----------|------|--------------|---------|---------------|---------------------|---------------|------------|--------------|--------|---------------|
| 10 | | | (EF | PA MCL or SM | | | (EPA MCL / WDNR ES) | | | | | |
| N9 W31146 | Mg | Mn# | Na | Pb | Sb | Se | TI | Zn | pН | Conductivity | Temp. | Chloromethane |
| Concord Ct. | NS | (50 / 50) | NS | (15 / 15) | (6 / 6) | (50 / 50) | (2 / 2) | (5000 / 5000) | NS | NS | NS | (NS / 30) |
| DATE | mg/L | ug/L | mg/L | ug/L | ug/L | ug/L | ug/L | ug/L | std. Units | umhos/cm | deg. C | ug/L |
| 10/30/17 | 39.7 | <2.2 | 8.44 | 2.2 | < 0.60 | <1.0 | <0.19 | 453 | 7.47 | 694 | 11.9 | <0.19 |
| 04/27/18 | 38.9 | <2.2 | 7.14 | < 0.43 | <0.60 | <1.0 | <0.19 | 13.5 | 7.59 | 664 | 11.3 | 0.50 J B |
| 10/29/18 | 42.3 | <2.2 | 8.01 | < 0.43 | <0.60 | <1.0 | <0.19 | 6.7 J | 7.64 | 742 | 8.3 | <0.19 |
| | | | | | | | | | | | | |

Notes:

Drinking water samples are unfiltered.

mg/L = milligrams per liter

ug/L = micrograms per liter

NS = no standard established

s.u. = standard units

-Manganese has NR140 standards for both Public Welfare (50 ug/L) and Public Health (300 ug/L).

J=Estimated concentration below laboratory quantitation level.

B=Analyte detected in the associated Method Blank.

EPA MCL: Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL)

EPA SMCL: Environmental Protection Agency (EPA) Secondary Maximum Contaminant Level (SMCL)

WDNR ES: Wisconsin Department of Natural Resources (WDNR) Enforcement Standard (ES)

EPA SMCL Standards / WDNR NR140 Public Welfare Standards: chloride, iron, manganese, sulfate, and zinc.

EPA MCL Standards / WDNR NR140 Public Health Standards: cyanide, nitrate, nitrite, arsenic, barium, beryllium, cadmium, chromium, copper,

lead, antimony, selenium, thallium, and VOC's.

= Indicates an MCL, SMCL, or ES exceedance

Analyte abbreviations:

Cr: chromium SO₄: sulfate Ba: barium Mn: manganese Se: selenium TI: thallium CN: cyanide Be: beryllium Cu: copper Na: sodium TKN: total kjeldahl nitrogen Cd: cadmium Pb: lead Zn: zinc Fe: iron As: arsenic Ca: calcium Mg: magnesium Sb: antimony

CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913

608-356-2760 • www.ctlaboratories.com

REVISED ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.

FRANK PERUGINI

W125 S9808 NORTH CAPE ROAD

MUSKEGO, WI 53150

Project Name: DELAFIELD LF

Project Phase:

Project #: 10-2018

Folder #: 140649

Purchase Order #:

Contract #: 3123

Page 1 of 2

Arrival Temperature: See COC

Report Date: 11/19/2018

Date Received: 10/30/2018

Reprint Date: 12/05/2018

Revision Dat 12/05/2018

CT LAB#: 202507 Sample Description: 15 DNR License/Well #: 0719/239 Sampled: 10/29/2018 1245

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|-------------------------|--------|-------|------|------|----------|-----------|-------------------|-----------------------|---------|-----------|
| Inorganic Results | | | | | | | | | | |
| Total Kjeldahl Nitrogen | <0.23 | mg/L | 0.23 | 0.76 | 1 | U | 10/31/2018 09:00 | 11/02/2018 14:0 | 1 MEZ | EPA 351.2 |
| Nitrate Nitrogen Total | 1.4 | mg/L | 0.12 | 0.40 | 1 | | | 10/30/2018 17:1 | 8 TMG | EPA 300.0 |
| Nitrite Nitrogen Total | <0.14 | mg/L | 0.14 | 0.48 | 1 | U | | 10/30/2018 17:1 | 8 TMG | EPA 300.0 |
| Total Chloride | 25 | mg/L | 1.0 | 3.2 | 1 | | | 10/30/2018 17:1 | 8 TMG | EPA 300.0 |
| Total Sulfate | 52 | mg/L | 0.80 | 2.5 | 1 | | | 10/30/2018 17:1 | 8 TMG | EPA 300.0 |

CT LABORATORIES

delivering more than data from your environmental analyses

REVISED ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.

FRANK PERUGINI

W125 S9808 NORTH CAPE ROAD

MUSKEGO, WI 53150

Project Name: DELAFIELD LF

Project Phase:

Project #: 10-2018 Folder #: 140649

Purchase Order #:

Contract #: 3123

Page 1 of 5

Arrival Temperature: See COC

Report Date: 11/19/2018

Date Received: 10/30/2018

Reprint Date: 12/05/2018

Revision Dat 12/05/2018

CT LAB#: 202508 Sample Description: 15 DNR License/Well #: 0719/239 Sampled: 10/29/2018 1245

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|----------------------|---------|----------|--------|--------|----------|-----------|-------------------|-----------------------|---------|-----------|
| Field Results | | | | | | | | | | |
| Color (Field) | CLEAR | | N/A | N/A | 1 | | | 10/29/2018 00:0 | 0 SUB | FIELD |
| Conductivity (Field) | 742 | umhos/cm | N/A | N/A | 1 | | | 10/29/2018 00:0 | 0 SUB | FIELD |
| Odor (Field) | NONE | | N/A | N/A | 1 | | | 10/29/2018 00:0 | 0 SUB | FIELD |
| pH (Field) | 7.64 | S.U. | N/A | N/A | 1 | | | 10/29/2018 00:0 | 0 SUB | FIELD |
| Temperature (Field) | 8.3 | Deg. C | N/A | N/A | 1 | | | 10/29/2018 00:0 | 0 SUB | FIELD |
| Turbidity (Field) | NONE | | N/A | N/A | 1 | | | 10/29/2018 00:0 | 0 SUB | FIELD |
| norganic Results | | | | | | | | | | |
| Alkalinity | 320 | mg/L | 4.0 | 4.0 | 1 | | | 11/09/2018 15:1 | 5 MEZ | SM 2320B |
| Total Cyanide | <0.0030 | mg/L | 0.0030 | 0.0090 | 1 | U | 11/05/2018 10:00 | 11/05/2018 12:4 | 8 LJS | EPA 335.4 |
| Metals Results | | | | | | | | | | |
| Total Barium | 132 | ug/L | 0.70 | 2.5 | 1 | | | 10/31/2018 19:1 | 4 NAH | EPA 200.7 |
| Total Beryllium | <0.38 | ug/L | 0.38 | 1.3 | 1 | U | | 10/31/2018 19:1 | 4 NAH | EPA 200.7 |
| Total Cadmium | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 10/31/2018 19:1 | 4 NAH | EPA 200.7 |
| Total Calcium | 68200 | ug/L | 31 | 110 | 1 | | | 10/31/2018 19:1 | 4 NAH | EPA 200.7 |
| Total Chromium | <2.0 | ug/L | 2.0 | 8.0 | 1 | U | | 10/31/2018 19:1 | 4 NAH | EPA 200.7 |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: 10-2018 Project Phase:

Contract #: 3123 Folder #: 140649

Page 2 of 5

CT LAB#: 202508 Sample Description:15 DNR License/Well #: 0719/239 Sampled: 10/29/2018 1245

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------------------------|--------|-------|-------|------|----------|-----------|-------------------|-----------------------|---------|----------------|
| Total Copper | 4.9 | ug/L | 3.9 | 13 | 1 | J | | 10/31/2018 19:1 | 4 NAH | EPA 200.7 |
| Total Iron | <59 | ug/L | 59 | 200 | 1 | U | | 10/31/2018 19:1 | 4 NAH | EPA 200.7 |
| Total Magnesium | 42300 | ug/L | 25 | 84 | 1 | | | 10/31/2018 19:1 | 4 NAH | EPA 200.7 |
| Total Manganese | <2.2 | ug/L | 2.2 | 7.3 | 1 | U | | 10/31/2018 19:1 | 4 NAH | EPA 200.7 |
| Total Zinc | 6.7 | ug/L | 2.2 | 7.3 | 1 | J | | 10/31/2018 19:1 | 4 NAH | EPA 200.7 |
| Total Antimony | <0.60 | ug/L | 0.60 | 1.9 | 1 | U | | 11/07/2018 12:2 | 1 MDS | EPA 200.9 |
| Total Arsenic | <0.60 | ug/L | 0.60 | 2.1 | 1 | U | 11/01/2018 09:00 | 11/01/2018 15:5 | 5 MDS | EPA 200.9 |
| Total Lead | <0.43 | ug/L | 0.43 | 1.4 | 1 | U | | 11/01/2018 11:4 | 0 MDS | EPA 200.9 |
| Total Selenium | <1.0 | ug/L | 1.0 | 3.4 | 1 | U | 11/01/2018 09:00 | 11/02/2018 10:2 | 7 MDS | EPA 200.9 |
| Total Thallium | <0.19 | ug/L | 0.19 | 0.61 | 1 | U | 11/01/2018 09:00 | 11/07/2018 16:5 | 6 MDS | EPA 200.9 |
| Total Sodium | 8.010 | mg/L | 0.030 | 0.10 | 1 | | | 10/31/2018 11:3 | 4 MDS | EPA 200.7 |
| Total Hardness | 344 | mg/L | 0.18 | 0.61 | 1 | | | 10/31/2018 19:1 | 4 NAH | SM 2340B/200.7 |
| Organic Results | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,1,1-Trichloroethane | <0.28 | ug/L | 0.28 | 0.93 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,1,2,2-Tetrachloroethane | <0.50 | ug/L | 0.50 | 1.6 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,1,2-Trichloroethane | <0.40 | ug/L | 0.40 | 1.3 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,1-Dichloroethane | <0.28 | ug/L | 0.28 | 0.95 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,1-Dichloroethene | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,1-Dichloropropene | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,2,3-Trichlorobenzene | <0.50 | ug/L | 0.50 | 1.6 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,2,3-Trichloropropane | <0.25 | ug/L | 0.25 | 0.83 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,2,4-Trichlorobenzene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,2,4-Trimethylbenzene | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,2-Dichlorobenzene | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: 10-2018
Project Phase:

Contract #: 3123 Folder #: 140649 Page 3 of 5

CT LAB#: 202508 Sample Description:15 DNR License/Well #: 0719/239 Sampled: 10/29/2018 1245

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|-------------------------|--------|-------|------|------|----------|-----------|-------------------|-----------------------|---------|-----------|
| 1,2-Dichloroethane | <0.23 | ug/L | 0.23 | 0.76 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,2-Dichloropropane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,3,5-Trimethylbenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,3-Dichlorobenzene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,3-Dichloropropane | < 0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 1,4-Dichlorobenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 2,2-Dichloropropane | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 2-Chlorotoluene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| 4-Chlorotoluene | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| Benzene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| Bromobenzene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| Bromochloromethane | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| Bromodichloromethane | <0.24 | ug/L | 0.24 | 0.81 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| Bromoform | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| Bromomethane | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| Carbon tetrachloride | <0.28 | ug/L | 0.28 | 0.94 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| Chlorobenzene | <0.25 | ug/L | 0.25 | 0.84 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| Chlorodibromomethane | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| Chloroethane | < 0.30 | ug/L | 0.30 | 1.3 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| Chloroform | <0.23 | ug/L | 0.23 | 0.78 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| Chloromethane | <0.19 | ug/L | 0.19 | 0.63 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| cis-1,2-Dichloroethene | <0.28 | ug/L | 0.28 | 0.94 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| cis-1,3-Dichloropropene | <0.22 | ug/L | 0.22 | 0.73 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| Dibromomethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| Dichlorodifluoromethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |
| Ethylbenzene | <0.27 | ug/L | 0.27 | 0.89 | 1 | U | | 11/04/2018 19:4 | 8 AGK | EPA 524.2 |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: 10-2018 Project Phase:

Contract #: 3123 Folder #: 140649

Page 4 of 5

CT LAB#: 202508 Sample Description:15

DNR License/Well #: 0719/239 Sampled: 10/29/2018 1245

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Analyst Method Date/Time |
|---------------------------|--------|-------|------|------|----------|-----------|-------------------|--------------------------------------|
| Hexachlorobutadiene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| Isopropylbenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| Methyl tert-butyl ether | <0.26 | ug/L | 0.26 | 0.86 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| Methylene chloride | < 0.30 | ug/L | 0.30 | 0.99 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| n-Butylbenzene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| n-Propylbenzene | <0.26 | ug/L | 0.26 | 0.85 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| Naphthalene | <0.50 | ug/L | 0.50 | 1.5 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| p-Isopropyltoluene | <0.25 | ug/L | 0.25 | 0.82 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| sec-Butylbenzene | <0.26 | ug/L | 0.26 | 0.85 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| Styrene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| tert-Butylbenzene | <0.24 | ug/L | 0.24 | 0.80 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| Tetrachloroethene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| Toluene | <0.25 | ug/L | 0.25 | 0.84 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| Total Xylene | <0.26 | ug/L | 0.26 | 0.88 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| trans-1,2-Dichloroethene | <0.23 | ug/L | 0.23 | 0.75 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| trans-1,3-Dichloropropene | <0.28 | ug/L | 0.28 | 0.93 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| Trichloroethene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| Trichlorofluoromethane | <0.24 | ug/L | 0.24 | 0.80 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |
| Vinyl chloride | <0.17 | ug/L | 0.17 | 0.58 | 1 | U | | 11/04/2018 19:48 AGK EPA 524.2 |

Notes: All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts. "U" qualifier indicates concentration of analyte was below the detection limit. "J" qualifier indicates an estimated value between the LOD and LOQ.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Eric T. Korthals
Project Manager
Submitted by: 608-356-2760

Reason for Revis

corrected field data temperature on NR2B

| Code | <u>Description</u> QC Qualifiers | |
|------|--|--|
| В | Analyte detected in the associated Method Blank. | |
| С | Toxicity present in BOD sample. | Current CT Laboratories Certifications |
| D | Diluted Out. | |
| E | Safe, No Total Coliform detected. | Wisconsin (WDNR) Chemistry ID# 157066030 |
| F | Unsafe, Total Coliform detected, no E. Coli detected. | Wisconsin (DATCP) Bacteriology ID# 105-289 |
| G | Unsafe, Total Coliform detected and E. Coli detected. | Louisiana NELAP (primary) ID# ACC20160002 |
| Н | Holding time exceeded. | " · · · · · · · · · · · · · · · · · · · |
| I | Incubator temperature was outside acceptance limits during test period. | Illinois NELAP Lab ID# 200073 |
| J | Estimated value. | Kansas NELAP Lab ID# E-10368 |
| L | Significant peaks were detected outside the chromatographic window. | Virginia NELAP Lab ID# 460203 |
| М | Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits. | |
| N | Insufficient BOD oxygen depletion. | Maryland Lab ID# WI00061 |
| 0 | Complete BOD oxygen depletion. | ISO/IEC 17025-2005 A2LA Cert # 3806.01 |
| P | Concentration of analyte differs more than 40% between primary and confirmation analysis. | DoD-ELAP A2LA 3806.01 |
| Q | Laboratory Control Sample outside acceptance limits. | GA EPD Stipulation ID ACC20160002 |
| R | See Narrative at end of report. | GA EFD Stipulation ID ACC20100002 |
| S | Surrogate standard recovery outside acceptance limits due to apparent matrix effects. | |
| Т | Sample received with improper preservation or temperature. | |
| U | Analyte concentration was below detection limit. | |
| V | Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference | nce. |
| W | Sample amount received was below program minimum. | |
| Χ | Analyte exceeded calibration range. | |
| Υ | Replicate/Duplicate precision outside acceptance limits. | |
| Z | Specified calibration criteria was not met. | |

ENVIRONMENTAL SAMPLING CORPORATION

Dedicated to Environmental Monitoring, Science & Technology

December 6, 2018

Michael Sitarz W312 N1055 Fairfield Way Delafield, WI 53018

Re: October 2018 Private Well Monitoring Results (PW-54)

Dear Mr. Sitarz:

Water samples were collected from your well located at W312 N1055 Fairfield Way on October 29, 2018 as part of the private well monitoring program associated with the closed Delafield Sanitary Transfer and Landfill. The samples were collected by Environmental Sampling Corporation (ESC) personnel and submitted to CT Laboratories, Inc. (WDNR Lab Certification #157066030) for analysis.

The water samples collected from the well were tested for the following semi-annual monitoring parameters: alkalinity, chloride, hardness, sulfate, cyanide, total kjeldahl nitrogen, nitrate, nitrite, arsenic, barium, beryllium, cadmium, calcium, chromium, copper, iron, magnesium, manganese, sodium, lead, antimony, selenium, thallium, zinc, and volatile organic compounds (VOCs). The VOC analysis covers a wide range of compounds that are generally found in household and industrial solvents, degreasers, cleaners, gases and petroleum products. The VOC analysis can detect the presence of more than forty compounds. In addition to the parameters listed above, the sample was tested in the field for pH, temperature, and specific conductance.

The Environmental Protection Agency (EPA) and the Wisconsin Department of Natural Resources (WDNR) have established groundwater quality standards for the protection of human health and the environment. Contaminant concentrations that are detected at levels less than the EPA Maximum Contaminant Level (MCL) and the WDNR Enforcement Standard (ES) are believed to be safe for a water supply. In general, the federal MCL and the Wisconsin ES levels are the same, though for some substances the Wisconsin ES is lower than the MCL. The EPA and WDNR have also established secondary or "aesthetic" standards for select inorganic parameters. These standards are based on the taste and appearance of the water rather than health effects.

No VOCs were detected at concentrations above the laboratory LOD and therefore, not above an applicable MCL or ES in the samples collected from your well. The concentrations of inorganic parameters were less than drinking water standards.

Main Office: P.O. Box 12 • Muskego, WI 53150-0012 • (414) 427-5033 • FAX (414) 427-5034

Mr. Sitarz December 6, 2018 Page 2

A summary of the water quality results and a copy of the CT Laboratories report are provided with this letter. Should you have any questions concerning our work at the landfill or the water quality results you have received, please feel free to call me at 414-427-5033.

Sincerely,

Environmental Sampling Corporation

Tracy Ipavec

Sr. Environmental Specialist

Attachments

cc: Jason Lowery: WDNR, Madison (electronic copy)

Frank Perugini: ESC (electronic copy)

Environmental Sampling Corporation

DELAFIELD LANDFILL Private Well Monitoring Data

| 54 | | INORGANIC PARAMETERS (EPA MCL or SMCL / WDNR ES or S) | | | | | | | | | | | | | | |
|---------------|------------|---|-------------|-------------|-------------|--------|-----------|---------|-----------|--------------|---------|---------|------|-------------|---------------|-------------|
| W312 N1055 | Alkalinity | Hardness | Chloride | SO₄ | CN | TKN | Nitrate | Nitrite | As | Ва | Ве | Cd | Ca | Cr | Cu | Fe |
| Fairfield Way | NS | NS | (250 / 250) | (250 / 250) | (0.2 / 0.2) | NS | (10 / 10) | (1 / 1) | (10 / 10) | (2000 /2000) | (4 / 4) | (5 / 5) | NS | (100 / 100) | (1300 / 1300) | (300 / 300) |
| DATE | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | ug/L | ug/L | ug/L | mg/L | ug//L | ug//L | ug/L |
| 10/30/17 | 340 | 353 | 89 | 52 | < 0.0040 | <0.52 | <0.040 | <0.040 | < 0.60 | 82.3 | <0.38 | <0.40 | 79.4 | <2.0 | 9.2 J | <59 |
| 04/27/18 | 360 | 346 | <1.0 | 53 | < 0.0030 | < 0.23 | <0.12 | <0.14 | <0.60 | 98.4 | <0.38 | <0.40 | 73.4 | <2.0 | 11.7 J | 81.8 J |
| 10/29/18 | 190 | 380 | 110 | 55 | < 0.0030 | 0.47 J | <0.12 | <0.14 | <0.60 | 94.5. | <0.38 | <0.40 | 81.4 | <2.0 | <3.9 | 74.5 J |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

Notes:

Drinking water samples are unfiltered.

mg/L = milligrams per liter

ug/L = micrograms per liter

NS = no standard established

s.u. = standard units

-Manganese has NR140 standards for both Public Welfare (50 ug/L) and Public Health (300 ug/L).

J=Estimated concentration below laboratory quantitation level.

B=Analyte detected in the associated Method Blank.

EPA MCL: Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL)

EPA SMCL: Environmental Protection Agency (EPA) Secondary Maximum Contaminant Level (SMCL)

WDNR ES: Wisconsin Department of Natural Resources (WDNR) Enforcement Standard (ES)

 ${\sf EPA~SMCL~Standards~/~WDNR~NR140~Public~Welfare~Standards:~chloride,~iron,~manganese,~sulfate,~and~zinc.}$

EPA MCL Standards / WDNR NR140 Public Health Standards: cyanide, nitrate, nitrite, arsenic, barium, beryllium, cadmium, chromium, copper, lead, antimony, selenium, thallium, and VOC's.

copper, lead, and more, selenium, trialium, and

= Indicates an MCL, SMCL, or ES exceedance

Analyte abbreviations:

Se: selenium SO₄: sulfate Ba: barium Cr: chromium Mn: manganese CN: cyanide Be: beryllium Na: sodium TI: thallium Cu: copper TKN: total kjeldahl nitrogen Cd: cadmium Fe: iron Pb: lead Zn: zinc As: arsenic Ca: calcium Mg: magnesium Sb: antimony

Environmental Sampling Corporation

DELAFIELD LANDFILL Private Well Monitoring Data

| 54 | | | | NORGANIC P. PA MCL or SM | | | | | FIE | ELD PARAMETERS | S | VOCs (EPA MCL / WDNR ES) |
|---------------|------|-----------|------|-----------------------------|---------|-----------|---------|---------------|------------|----------------|--------|-----------------------------|
| W312 N1055 | Mg | Mn# | Na | Pb | Sb | Se | TI | Zn | рН | Conductivity | Temp. | Chloromethane |
| Fairfield Way | NS | (50 / 50) | NS | (15 / 15) | (6 / 6) | (50 / 50) | (2 / 2) | (5000 / 5000) | NS | NS | NS | (NS / 30) |
| DATE | mg/L | ug/L | mg/L | ug/L | ug/L | ug/L | ug/L | ug/L | std. Units | umhos/cm | deg. C | ug/L |
| 10/30/17 | 37.5 | 8.1 | 49.1 | < 0.43 | <0.60 | <1.0 | <0.19 | 37.1 | 7.53 | 882 | 10.7 | <0.19 |
| 04/27/18 | 39.4 | 8.7 | 44.0 | 0.89 J | < 0.60 | <1.0 | <0.19 | 42.4 | 7.62 | 891 | 11.5 | 0.50 J B |
| 10/29/18 | 42.8 | 9.4 | 48.4 | < 0.43 | < 0.60 | <1.0 | <0.19 | 8.8 | 7.96 | 939 | 11.0 | <0.19 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Notes:

Drinking water samples are unfiltered.

mg/L = milligrams per liter

ug/L = micrograms per liter

NS = no standard established

s.u. = standard units

#-Manganese has NR140 standards for both Public Welfare (50 ug/L) and Public Health (300 ug/L).

J=Estimated concentration below laboratory quantitation level.

B=Analyte detected in the associated Method Blank.

EPA MCL: Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL)

EPA SMCL: Environmental Protection Agency (EPA) Secondary Maximum Contaminant Level (SMCL)

WDNR ES: Wisconsin Department of Natural Resources (WDNR) Enforcement Standard (ES)

EPA SMCL Standards / WDNR NR140 Public Welfare Standards: chloride, iron, manganese, sulfate, and zinc.

EPA MCL Standards / WDNR NR140 Public Health Standards: cyanide, nitrate, nitrite, arsenic, barium, beryllium, cadmium, chromium, copper,

lead, antimony, selenium, thallium, and VOC's.

= Indicates an MCL, SMCL, or ES exceedance

Analyte abbreviations:

Cr: chromium SO₄: sulfate Ba: barium Mn: manganese Se: selenium CN: cyanide Be: beryllium Cu: copper TI: thallium Na: sodium TKN: total kjeldahl nitrogen Cd: cadmium Fe: iron Pb: lead Zn: zinc As: arsenic Ca: calcium Mg: magnesium Sb: antimony

CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913

608-356-2760 • www.ctlaboratories.com

REVISED ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.

FRANK PERUGINI

W125 S9808 NORTH CAPE ROAD

MUSKEGO, WI 53150

Project Name: DELAFIELD LF

Project Phase:

Project #: 10-2018

Folder #: 140649

Purchase Order #:

Contract #: 3123

Page 1 of 2

Arrival Temperature: See COC

Report Date: 11/19/2018

Date Received: 10/30/2018

Reprint Date: 12/05/2018

Revision Dat 12/05/2018

CT LAB#: 202509 Sample Description: 54 DNR License/Well #: 0719/281 Sampled: 10/29/2018 1220

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|-------------------------|--------|-------|------|------|----------|-----------|-------------------|-----------------------|---------|-----------|
| Inorganic Results | | | | | | | | | | |
| Total Kjeldahl Nitrogen | 0.47 | mg/L | 0.23 | 0.76 | 1 | J | 10/31/2018 09:00 | 11/02/2018 14:0 | 2 MEZ | EPA 351.2 |
| Nitrate Nitrogen Total | <0.12 | mg/L | 0.12 | 0.40 | 1 | U | | 10/30/2018 17:3 | B TMG | EPA 300.0 |
| Nitrite Nitrogen Total | <0.14 | mg/L | 0.14 | 0.48 | 1 | U | | 10/30/2018 17:3 | B TMG | EPA 300.0 |
| Total Chloride | 110 | mg/L | 10 | 32 | 10 | | | 10/31/2018 09:2 | B TMG | EPA 300.0 |
| Total Sulfate | 55 | mg/L | 0.80 | 2.5 | 1 | | | 10/30/2018 17:3 | B TMG | EPA 300.0 |



delivering more than data from your environmental analyses

REVISED ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.

FRANK PERUGINI

W125 S9808 NORTH CAPE ROAD

MUSKEGO, WI 53150

Project Name: DELAFIELD LF

Project Phase:

Project #: 10-2018

Folder #: 140649

Purchase Order #:

Contract #: 3123

Page 1 of 5

Arrival Temperature: See COC

Report Date: 11/19/2018

Date Received: 10/30/2018

Reprint Date: 12/05/2018

Revision Dat 12/05/2018

CT LAB#: 202510 Sample Description: 54 DNR License/Well #: 0719/281 Sampled: 10/29/2018 1220

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|----------------------|---------|----------|--------|--------|----------|-----------|-------------------|-----------------------|---------|-----------|
| Field Results | | | | | | | | | | |
| Color (Field) | CLEAR | | N/A | N/A | 1 | | | 10/29/2018 00:0 | SUB | FIELD |
| Conductivity (Field) | 939 | umhos/cm | N/A | N/A | 1 | | | 10/29/2018 00:0 | SUB | FIELD |
| Odor (Field) | SULFUR | | N/A | N/A | 1 | | | 10/29/2018 00:0 | SUB | FIELD |
| pH (Field) | 7.96 | S.U. | N/A | N/A | 1 | | | 10/29/2018 00:0 | SUB | FIELD |
| Temperature (Field) | 11.0 | Deg. C | N/A | N/A | 1 | | | 10/29/2018 00:0 | SUB | FIELD |
| Turbidity (Field) | NONE | | N/A | N/A | 1 | | | 10/29/2018 00:0 | O SUB | FIELD |
| Inorganic Results | | | | | | | | | | |
| Alkalinity | 190 | mg/L | 4.0 | 4.0 | 1 | | | 11/09/2018 15:1 | 5 MEZ | SM 2320B |
| Total Cyanide | <0.0030 | mg/L | 0.0030 | 0.0090 | 1 | U | 11/05/2018 10:00 | 11/05/2018 12:5 | 2 LJS | EPA 335.4 |
| Metals Results | | | | | | | | | | |
| Total Barium | 94.5 | ug/L | 0.70 | 2.5 | 1 | | | 10/31/2018 19:2 | 2 NAH | EPA 200.7 |
| Total Beryllium | <0.38 | ug/L | 0.38 | 1.3 | 1 | U | | 10/31/2018 19:2 | 2 NAH | EPA 200.7 |
| Total Cadmium | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 10/31/2018 19:2 | 2 NAH | EPA 200.7 |
| Total Calcium | 81400 | ug/L | 31 | 110 | 1 | | | 10/31/2018 19:2 | 2 NAH | EPA 200.7 |
| Total Chromium | <2.0 | ug/L | 2.0 | 8.0 | 1 | U | | 10/31/2018 19:2 | 2 NAH | EPA 200.7 |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: 10-2018 Project Phase:

Contract #: 3123 Folder #: 140649

Page 2 of 5

CT LAB#: 202510 Sample Description:54 DNR License/Well #: 0719/281 Sampled: 10/29/2018 1220

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------------------------|--------|-------|-------|------|----------|-----------|-------------------|-----------------------|---------|----------------|
| Total Copper | <3.9 | ug/L | 3.9 | 13 | 1 | U | | 10/31/2018 19:2 | 2 NAH | EPA 200.7 |
| Total Iron | 74.5 | ug/L | 59 | 200 | 1 | J | | 10/31/2018 19:2 | 2 NAH | EPA 200.7 |
| Total Magnesium | 42800 | ug/L | 25 | 84 | 1 | | | 10/31/2018 19:2 | 2 NAH | EPA 200.7 |
| Total Manganese | 9.4 | ug/L | 2.2 | 7.3 | 1 | | | 10/31/2018 19:2 | 2 NAH | EPA 200.7 |
| Total Zinc | 8.8 | ug/L | 2.2 | 7.3 | 1 | | | 10/31/2018 19:2 | 2 NAH | EPA 200.7 |
| Total Antimony | <0.60 | ug/L | 0.60 | 1.9 | 1 | U | | 11/07/2018 12:2 | 6 MDS | EPA 200.9 |
| Total Arsenic | <0.60 | ug/L | 0.60 | 2.1 | 1 | U | 11/01/2018 09:00 | 11/01/2018 16:1 | 3 MDS | EPA 200.9 |
| Total Lead | <0.43 | ug/L | 0.43 | 1.4 | 1 | U | | 11/01/2018 11:4 | 6 MDS | EPA 200.9 |
| Total Selenium | <1.0 | ug/L | 1.0 | 3.4 | 1 | U | 11/01/2018 09:00 | 11/02/2018 10:3 | 3 MDS | EPA 200.9 |
| Total Thallium | <0.19 | ug/L | 0.19 | 0.61 | 1 | U | 11/01/2018 09:00 | 11/07/2018 17:0 | 2 MDS | EPA 200.9 |
| Total Sodium | 48.40 | mg/L | 0.030 | 0.10 | 1 | | | 10/31/2018 11:3 | 7 MDS | EPA 200.7 |
| Total Hardness | 380 | mg/L | 0.18 | 0.61 | 1 | | | 10/31/2018 19:2 | 2 NAH | SM 2340B/200.7 |
| Organic Results | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 1,1,1-Trichloroethane | <0.28 | ug/L | 0.28 | 0.93 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 1,1,2,2-Tetrachloroethane | <0.50 | ug/L | 0.50 | 1.6 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 1,1,2-Trichloroethane | <0.40 | ug/L | 0.40 | 1.3 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 1,1-Dichloroethane | <0.28 | ug/L | 0.28 | 0.95 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 1,1-Dichloroethene | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 1,1-Dichloropropene | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 1,2,3-Trichlorobenzene | <0.50 | ug/L | 0.50 | 1.6 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 1,2,3-Trichloropropane | <0.25 | ug/L | 0.25 | 0.83 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 1,2,4-Trichlorobenzene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 1,2,4-Trimethylbenzene | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 1,2-Dichlorobenzene | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: 10-2018
Project Phase:

Contract #: 3123 Folder #: 140649 Page 3 of 5

CT LAB#: 202510 Sample Description:54 DNR License/Well #: 0719/281 Sampled: 10/29/2018 1220

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|-------------------------|--------|-------|------|------|----------|-----------|-------------------|-----------------------|---------|-----------|
| 1,2-Dichloroethane | <0.23 | ug/L | 0.23 | 0.76 | 1 | U | | 11/04/2018 20:1 |) AGK | EPA 524.2 |
| 1,2-Dichloropropane | < 0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 1,3,5-Trimethylbenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 1,3-Dichlorobenzene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 1,3-Dichloropropane | < 0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 1,4-Dichlorobenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 2,2-Dichloropropane | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 2-Chlorotoluene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| 4-Chlorotoluene | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Benzene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Bromobenzene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Bromochloromethane | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Bromodichloromethane | <0.24 | ug/L | 0.24 | 0.81 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Bromoform | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Bromomethane | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Carbon tetrachloride | <0.28 | ug/L | 0.28 | 0.94 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Chlorobenzene | <0.25 | ug/L | 0.25 | 0.84 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Chlorodibromomethane | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Chloroethane | < 0.30 | ug/L | 0.30 | 1.3 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Chloroform | <0.23 | ug/L | 0.23 | 0.78 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Chloromethane | <0.19 | ug/L | 0.19 | 0.63 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| cis-1,2-Dichloroethene | <0.28 | ug/L | 0.28 | 0.94 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| cis-1,3-Dichloropropene | <0.22 | ug/L | 0.22 | 0.73 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Dibromomethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Dichlorodifluoromethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Ethylbenzene | <0.27 | ug/L | 0.27 | 0.89 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: 10-2018 Project Phase:

Contract #: 3123 Folder #: 140649

Page 4 of 5

CT LAB#: 202510 Sample Description:54 DNR License/Well #: 0719/281 Sampled: 10/29/2018 1220

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------------------------|--------|-------|------|------|----------|-----------|-------------------|-----------------------|---------|-----------|
| Hexachlorobutadiene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Isopropylbenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Methyl tert-butyl ether | <0.26 | ug/L | 0.26 | 0.86 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Methylene chloride | < 0.30 | ug/L | 0.30 | 0.99 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| n-Butylbenzene | < 0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| n-Propylbenzene | <0.26 | ug/L | 0.26 | 0.85 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Naphthalene | <0.50 | ug/L | 0.50 | 1.5 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| p-Isopropyltoluene | <0.25 | ug/L | 0.25 | 0.82 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| sec-Butylbenzene | <0.26 | ug/L | 0.26 | 0.85 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Styrene | < 0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| tert-Butylbenzene | <0.24 | ug/L | 0.24 | 0.80 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Tetrachloroethene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Toluene | <0.25 | ug/L | 0.25 | 0.84 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Total Xylene | <0.26 | ug/L | 0.26 | 0.88 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| trans-1,2-Dichloroethene | <0.23 | ug/L | 0.23 | 0.75 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| trans-1,3-Dichloropropene | <0.28 | ug/L | 0.28 | 0.93 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Trichloroethene | < 0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Trichlorofluoromethane | <0.24 | ug/L | 0.24 | 0.80 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |
| Vinyl chloride | <0.17 | ug/L | 0.17 | 0.58 | 1 | U | | 11/04/2018 20:1 | 9 AGK | EPA 524.2 |

Notes: All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts. "U" qualifier indicates concentration of analyte was below the detection limit. "J" qualifier indicates an estimated value between the LOD and LOQ.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Eric T. Korthals
Project Manager
Submitted by: 608-356-2760

Reason for Revis

corrected field data temperature on NR2B

| Code | <u>Description</u> | QC Qualifiers | |
|------|--|--|--|
| В | Analyte detected in the associated Method Blank. | | |
| С | Toxicity present in BOD sample. | | Current CT Laboratories Certifications |
| D | Diluted Out. | | |
| E | Safe, No Total Coliform detected. | | Wisconsin (WDNR) Chemistry ID# 157066030 |
| F | Unsafe, Total Coliform detected, no E. Coli detecte | d. | Wisconsin (DATCP) Bacteriology ID# 105-289 |
| G | Unsafe, Total Coliform detected and E. Coli detected | ed. | Louisiana NELAP (primary) ID# ACC20160002 |
| Н | Holding time exceeded. | | " Z, |
| 1 | Incubator temperature was outside acceptance lim | its during test period. | Illinois NELAP Lab ID# 200073 |
| J | Estimated value. | | Kansas NELAP Lab ID# E-10368 |
| L | Significant peaks were detected outside the chrom | atographic window. | Virginia NELAP Lab ID# 460203 |
| M | Matrix spike and/or Matrix Spike Duplicate recover | y outside acceptance limits. | |
| N | Insufficient BOD oxygen depletion. | | Maryland Lab ID# WI00061 |
| 0 | Complete BOD oxygen depletion. | | ISO/IEC 17025-2005 A2LA Cert # 3806.01 |
| Р | Concentration of analyte differs more than 40% be | tween primary and confirmation analysis. | DoD-ELAP A2LA 3806.01 |
| Q | Laboratory Control Sample outside acceptance lim | its. | GA EPD Stipulation ID ACC20160002 |
| R | See Narrative at end of report. | | GA EFD Stipulation ID ACC20100002 |
| S | Surrogate standard recovery outside acceptance li | mits due to apparent matrix effects. | |
| T | Sample received with improper preservation or ten | pperature. | |
| U | Analyte concentration was below detection limit. | | |
| ٧ | Raised Quantitation or Reporting Limit due to limit | ed sample amount or dilution for matrix background interference. | |
| W | Sample amount received was below program minir | num. | |
| X | Analyte exceeded calibration range. | | |
| Υ | Replicate/Duplicate precision outside acceptance I | imits. | |
| Z | Specified calibration criteria was not met. | | |
| | | | |
| • | · | | |

ENVIRONMENTAL SAMPLING CORPORATION

Dedicated to Environmental Monitoring, Science & Technology

December 6, 2018

Chuck and Sharilyn Spiegeloff 1916 Hillside Ct. Delafield, WI 53018

Re: October 2018 Private Well Monitoring Results (PW-1916)

Dear Mr. and Mrs. Spiegeloff:

Water samples were collected from your well located at 1916 Hillside Court on October 29, 2018 as part of the private well monitoring program associated with the closed Delafield Sanitary Transfer and Landfill. The samples were collected by Environmental Sampling Corporation (ESC) personnel and submitted to CT Laboratories, Inc. (WDNR Lab Certification #157066030) for analysis.

The water samples collected from the well were tested for the following semi-annual monitoring parameters: alkalinity, chloride, hardness, sulfate, cyanide, total kjeldahl nitrogen, nitrate, nitrite, arsenic, barium, beryllium, cadmium, calcium, chromium, copper, iron, magnesium, manganese, sodium, lead, antimony, selenium, thallium, zinc, and volatile organic compounds (VOCs). The VOC analysis covers a wide range of compounds that are generally found in household and industrial solvents, degreasers, cleaners, gases and petroleum products. The VOC analysis can detect the presence of more than forty compounds. In addition to the parameters listed above, the sample was tested in the field for pH, temperature, and specific conductance.

The Environmental Protection Agency (EPA) and the Wisconsin Department of Natural Resources (WDNR) have established groundwater quality standards for the protection of human health and the environment. Contaminant concentrations that are detected at levels less than the EPA Maximum Contaminant Level (MCL) and the WDNR Enforcement Standard (ES) are believed to be safe for a water supply. In general, the federal MCL and the Wisconsin ES levels are the same, though for some substances the Wisconsin ES is lower than the MCL. The EPA and WDNR have also established secondary or "aesthetic" standards for select inorganic parameters. These standards are based on the taste and appearance of the water rather than health effects.

No VOCs were detected at concentrations above the laboratory LOD and therefore, not above an applicable MCL or ES in the samples collected from your well. The concentrations of inorganic parameters were less than drinking water standards.

Main Office: P.O. Box 12 • Muskego, WI 53150-0012 • (414) 427-5033 • FAX (414) 427-5034

Mr. and Mrs. Spiegeloff December 6, 2018 Page 2

A summary of the water quality results and a copy of the CT Laboratories report are provided with this letter. Should you have any questions concerning our work at the landfill or the water quality results you have received, please feel free to call me at 414-427-5033.

Sincerely,

Environmental Sampling Corporation

Davec

Tracy Ipaved

Sr. Environmental Specialist

Attachments

cc: Jason Lowery: WDNR, Madison (electronic copy)

Frank Perugini: ESC (electronic copy)

Environmental Sampling Corporation

DELAFIELD LANDFILL Private Well Monitoring Data

| 1916 | | INORGANIC PARAMETERS (EPA MCL or SMCL / WDNR ES or S) | | | | | | | | | | | | | | |
|-------------------|------------|---|-------------|-------------|-------------|-------|-----------|---------|-----------|--------------|---------|---------|------|-------------|---------------|-------------|
| 1916 Hillside Ct. | Alkalinity | Hardness | Chloride | SO₄ | CN | TKN | Nitrate | Nitrite | As | Ва | Ве | Cd | Ca | Cr | Cu | Fe |
| 1916 Hillside Ct. | NS | NS | (250 / 250) | (250 / 250) | (0.2 / 0.2) | NS | (10 / 10) | (1 / 1) | (10 / 10) | (2000 /2000) | (4 / 4) | (5 / 5) | NS | (100 / 100) | (1300 / 1300) | (300 / 300) |
| DATE | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | ug/L | ug/L | ug/L | mg/L | ug//L | ug//L | ug/L |
| 10/30/17 | 330 | 410 | 150 | 29 | <0.0040 | <0.52 | 5.3 | <0.040 | <0.60 | 62.3 | <0.38 | <0.40 | 92.7 | <2.0 | 7.6 J | <59 |
| 04/27/18 | 340 | 379 | <1.0 | 28 | <0.0030 | <0.23 | 4.4 | <0.14 | <0.60 | 68.2 | <0.38 | <0.40 | 81.4 | <2.0 | 5.2 J | <59 |
| 10/29/18 | 330 | 439 | 160 | 26 | < 0.0030 | <0.23 | 5.1 | <0.14 | <0.60 | 69.8 | <0.38 | <0.40 | 96.1 | <2.0 | 4.2 J | <59 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

Notes:

Drinking water samples are unfiltered.

mg/L = milligrams per liter

ug/L = micrograms per liter

NS = no standard established

s.u. = standard units

-Manganese has NR140 standards for both Public Welfare (50 ug/L) and Public Health (300 ug/L).

J=Estimated concentration below laboratory quantitation level.

B=Analyte detected in the associated Method Blank.

EPA MCL: Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL)

EPA SMCL: Environmental Protection Agency (EPA) Secondary Maximum Contaminant Level (SMCL)

WDNR ES: Wisconsin Department of Natural Resources (WDNR) Enforcement Standard (ES)

EPA SMCL Standards / WDNR NR140 Public Welfare Standards: chloride, iron, manganese, sulfate, and zinc.

EPA MCL Standards / WDNR NR140 Public Health Standards: cyanide, nitrate, nitrite, arsenic, barium, beryllium, cadmium, chromium,

copper, lead, antimony, selenium, thallium, and VOC's.

= Indicates an MCL, SMCL, or ES exceedance

Analyte abbreviations:

Se: selenium SO₄: sulfate Ba: barium Cr: chromium Mn: manganese CN: cyanide Be: beryllium Na: sodium TI: thallium Cu: copper TKN: total kjeldahl nitrogen Cd: cadmium Fe: iron Pb: lead Zn: zinc As: arsenic Ca: calcium Mg: magnesium Sb: antimony

Environmental Sampling Corporation

DELAFIELD LANDFILL Private Well Monitoring Data

| 1916 | | | | NORGANIC PA | | | FIE | LD PARAMETERS | VOCs (EPA MCL / WDNR ES) | | | |
|-------------------|------|-----------|------|-------------|---------|-----------|---------|---------------|-----------------------------|--------------|--------|---------------|
| 4040 11:11-1-1 04 | Mg | Mn# | Na | Pb | Sb | Se | TI | Zn | рН | Conductivity | Temp. | Chloromethane |
| 1916 Hillside Ct. | NS | (50 / 50) | NS | (15 / 15) | (6 / 6) | (50 / 50) | (2 / 2) | (5000 / 5000) | NS | NS | NS | (NS / 30) |
| DATE | mg/L | ug/L | mg/L | ug/L | ug/L | ug/L | ug/L | ug/L | std. Units | umhos/cm | deg. C | ug/L |
| 10/30/17 | 43.3 | <2.2 | 54.3 | <0.43 | <0.60 | <1.0 | <0.19 | 11.4 | 7.35 | 990 | 10.8 | <0.19 |
| 04/27/18 | 42.7 | <2.2 | 47.2 | 0.65 J | <0.60 | <1.0 | 0.23 J | 18.2 | 7.38 | 965 | 10.7 | 0.35 J B |
| 10/29/18 | 48.3 | <2.2 | 65.1 | <0.43 | <0.60 | <1.0 | 0.30 J | 15.3 | 7.01 | 1,102 | 10.4 | <0.19 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Notes:

Drinking water samples are unfiltered.

mg/L = milligrams per liter

ug/L = micrograms per liter

NS = no standard established

s.u. = standard units

-Manganese has NR140 standards for both Public Welfare (50 ug/L) and Public Health (300 ug/L).

J=Estimated concentration below laboratory quantitation level.

B=Analyte detected in the associated Method Blank.

EPA MCL: Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL)

EPA SMCL: Environmental Protection Agency (EPA) Secondary Maximum Contaminant Level (SMCL)

WDNR ES: Wisconsin Department of Natural Resources (WDNR) Enforcement Standard (ES)

EPA SMCL Standards / WDNR NR140 Public Welfare Standards: chloride, iron, manganese, sulfate, and zinc.

EPA MCL Standards / WDNR NR140 Public Health Standards: cyanide, nitrate, nitrite, arsenic, barium, beryllium, cadmium, chromium, copper,

lead, antimony, selenium, thallium, and VOC's. = Indicates an MCL, SMCL, or ES exceedance

Analyte abbreviations:

590

Cr: chromium Se: selenium SO₄: sulfate Ba: barium Mn: manganese CN: cyanide Be: beryllium Cu: copper TI: thallium Na: sodium TKN: total kjeldahl nitrogen Cd: cadmium Fe: iron Pb: lead Zn: zinc As: arsenic Ca: calcium Mg: magnesium Sb: antimony

CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913

608-356-2760 • www.ctlaboratories.com

REVISED ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.

FRANK PERUGINI

W125 S9808 NORTH CAPE ROAD

MUSKEGO, WI 53150

Project Name: DELAFIELD LF

Project Phase:

Project #: 10-2018

Folder #: 140649

Purchase Order #:

Contract #: 3123

Page 1 of 2

Arrival Temperature: See COC

Report Date: 11/19/2018

Date Received: 10/30/2018

Reprint Date: 12/05/2018

Revision Dat 12/05/2018

CT LAB#: 202513 Sample Description: 1916 DNR License/Well #: 0719/383 Sampled: 10/29/2018 1105

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|-------------------------|--------|-------|------|------|----------|-----------|-------------------|-----------------------|---------|-----------|
| Inorganic Results | | | | | | | | | | |
| Total Kjeldahl Nitrogen | <0.23 | mg/L | 0.23 | 0.76 | 1 | U | 10/31/2018 09:00 | 11/02/2018 14:0 | 7 MEZ | EPA 351.2 |
| Nitrate Nitrogen Total | 5.1 | mg/L | 0.12 | 0.40 | 1 | | | 10/30/2018 18:1 | 3 TMG | EPA 300.0 |
| Nitrite Nitrogen Total | <0.14 | mg/L | 0.14 | 0.48 | 1 | U | | 10/30/2018 18:1 | B TMG | EPA 300.0 |
| Total Chloride | 160 | mg/L | 10 | 32 | 10 | | | 10/31/2018 09:4 | B TMG | EPA 300.0 |
| Total Sulfate | 26 | mg/L | 0.80 | 2.5 | 1 | | | 10/30/2018 18:1 | B TMG | EPA 300.0 |

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REVISED ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.

FRANK PERUGINI

W125 S9808 NORTH CAPE ROAD

MUSKEGO, WI 53150

Project Name: DELAFIELD LF

Project Phase:

Project #: 10-2018

Folder #: 140649

Purchase Order #:

Contract #: 3123

Page 1 of 5

Arrival Temperature: See COC

Report Date: 11/19/2018

Date Received: 10/30/2018

Reprint Date: 12/05/2018

Revision Dat 12/05/2018

CT LAB#: 202514 Sample Description: 1916 DNR License/Well #: 0719/383 Sampled: 10/29/2018 1105

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|----------------------|---------|----------|--------|--------|----------|-----------|-------------------|-----------------------|---------|-----------|
| Field Results | | | | | | | | | | |
| Color (Field) | CLEAR | | N/A | N/A | 1 | | | 10/29/2018 00: | 00 SUB | FIELD |
| Conductivity (Field) | 1102 | umhos/cm | N/A | N/A | 1 | | | 10/29/2018 00: | 00 SUB | FIELD |
| Odor (Field) | NONE | | N/A | N/A | 1 | | | 10/29/2018 00: | 00 SUB | FIELD |
| pH (Field) | 7.01 | S.U. | N/A | N/A | 1 | | | 10/29/2018 00: | 00 SUB | FIELD |
| Temperature (Field) | 10.4 | Deg. C | N/A | N/A | 1 | | | 10/29/2018 00: | 00 SUB | FIELD |
| Turbidity (Field) | NONE | | N/A | N/A | 1 | | | 10/29/2018 00: | 00 SUB | FIELD |
| Inorganic Results | | | | | | | | | | |
| Alkalinity | 330 | mg/L | 4.0 | 4.0 | 1 | | | 11/09/2018 15: | 15 MEZ | SM 2320B |
| Total Cyanide | <0.0030 | mg/L | 0.0030 | 0.0090 | 1 | U | 11/05/2018 10:00 | 11/05/2018 12: | 59 LJS | EPA 335.4 |
| Metals Results | | | | | | | | | | |
| Total Barium | 69.8 | ug/L | 0.70 | 2.5 | 1 | | | 10/31/2018 19: | 59 NAH | EPA 200.7 |
| Total Beryllium | <0.38 | ug/L | 0.38 | 1.3 | 1 | U | | 10/31/2018 19: | 59 NAH | EPA 200.7 |
| Total Cadmium | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 10/31/2018 19: | 59 NAH | EPA 200.7 |
| Total Calcium | 96100 | ug/L | 31 | 110 | 1 | | | 10/31/2018 19: | 9 NAH | EPA 200.7 |
| Total Chromium | <2.0 | ug/L | 2.0 | 8.0 | 1 | U | | 10/31/2018 19: | 9 NAH | EPA 200.7 |
| | | | | | | | | | | |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: 10-2018
Project Phase:

Contract #: 3123 Folder #: 140649 Page 2 of 5

CT LAB#: 202514 Sample Description:1916 DNR License/Well #: 0719/383 Sampled: 10/29/2018 1105

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------------------------|--------|-------|-------|------|----------|-----------|-------------------|-----------------------|---------|----------------|
| Total Copper | 4.2 | ug/L | 3.9 | 13 | 1 | J | | 10/31/2018 19:5 | 9 NAH | EPA 200.7 |
| Total Iron | <59 | ug/L | 59 | 200 | 1 | U | | 10/31/2018 19:5 | 9 NAH | EPA 200.7 |
| Total Magnesium | 48300 | ug/L | 25 | 84 | 1 | | | 10/31/2018 19:5 | 9 NAH | EPA 200.7 |
| Total Manganese | <2.2 | ug/L | 2.2 | 7.3 | 1 | U | | 10/31/2018 19:5 | 9 NAH | EPA 200.7 |
| Total Zinc | 15.3 | ug/L | 2.2 | 7.3 | 1 | | | 10/31/2018 19:5 | 9 NAH | EPA 200.7 |
| Total Antimony | <0.60 | ug/L | 0.60 | 1.9 | 1 | U | | 11/07/2018 12:3 | 6 MDS | EPA 200.9 |
| Total Arsenic | <0.60 | ug/L | 0.60 | 2.1 | 1 | U | 11/01/2018 09:00 | 11/01/2018 16:2 | 4 MDS | EPA 200.9 |
| Total Lead | <0.43 | ug/L | 0.43 | 1.4 | 1 | U | | 11/01/2018 11:5 | 7 MDS | EPA 200.9 |
| Total Selenium | <1.0 | ug/L | 1.0 | 3.4 | 1 | U | 11/01/2018 09:00 | 11/02/2018 10:4 | 5 MDS | EPA 200.9 |
| Total Thallium | 0.30 | ug/L | 0.19 | 0.61 | 1 | J | 11/01/2018 09:00 | 11/07/2018 17:1 | 4 MDS | EPA 200.9 |
| Total Sodium | 65.10 | mg/L | 0.030 | 0.10 | 1 | | | 10/31/2018 11:4 | 3 MDS | EPA 200.7 |
| Total Hardness | 439 | mg/L | 0.18 | 0.61 | 1 | | | 10/31/2018 19:5 | 9 NAH | SM 2340B/200.7 |
| Organic Results | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,1,1-Trichloroethane | <0.28 | ug/L | 0.28 | 0.93 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,1,2,2-Tetrachloroethane | <0.50 | ug/L | 0.50 | 1.6 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,1,2-Trichloroethane | <0.40 | ug/L | 0.40 | 1.3 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,1-Dichloroethane | <0.28 | ug/L | 0.28 | 0.95 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,1-Dichloroethene | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,1-Dichloropropene | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,2,3-Trichlorobenzene | <0.50 | ug/L | 0.50 | 1.6 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,2,3-Trichloropropane | <0.25 | ug/L | 0.25 | 0.83 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,2,4-Trichlorobenzene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,2,4-Trimethylbenzene | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,2-Dichlorobenzene | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: 10-2018 Project Phase:

Contract #: 3123 Folder #: 140649

Page 3 of 5

CT LAB#: 202514 Sample Description:1916 DNR License/Well #: 0719/383 Sampled: 10/29/2018 1105

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|-------------------------|--------|-------|------|------|----------|-----------|-------------------|-----------------------|---------|-----------|
| 1,2-Dichloroethane | <0.23 | ug/L | 0.23 | 0.76 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,2-Dichloropropane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,3,5-Trimethylbenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,3-Dichlorobenzene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,3-Dichloropropane | <0.30 | ug/L | 0.30 | 1.1 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 1,4-Dichlorobenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 2,2-Dichloropropane | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 2-Chlorotoluene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| 4-Chlorotoluene | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| Benzene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| Bromobenzene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| Bromochloromethane | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| Bromodichloromethane | <0.24 | ug/L | 0.24 | 0.81 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| Bromoform | <0.40 | ug/L | 0.40 | 1.2 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| Bromomethane | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| Carbon tetrachloride | <0.28 | ug/L | 0.28 | 0.94 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| Chlorobenzene | <0.25 | ug/L | 0.25 | 0.84 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| Chlorodibromomethane | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| Chloroethane | <0.30 | ug/L | 0.30 | 1.3 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| Chloroform | <0.23 | ug/L | 0.23 | 0.78 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| Chloromethane | <0.19 | ug/L | 0.19 | 0.63 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| cis-1,2-Dichloroethene | <0.28 | ug/L | 0.28 | 0.94 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| cis-1,3-Dichloropropene | <0.22 | ug/L | 0.22 | 0.73 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| Dibromomethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| Dichlorodifluoromethane | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |
| Ethylbenzene | <0.27 | ug/L | 0.27 | 0.89 | 1 | U | | 11/04/2018 21:2 | 1 AGK | EPA 524.2 |

ENVIRONMENTAL SAMPLING CORP. Project Name: DELAFIELD LF

Project #: 10-2018 Project Phase:

Contract #: 3123 Folder #: 140649

Page 4 of 5

CT LAB#: 202514 Sample Description:1916

DNR License/Well #: 0719/383 Sampled: 10/29/2018 1105

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------------------------|--------|-------|------|------|----------|-----------|-------------------|-----------------------|---------|-----------|
| Hexachlorobutadiene | <0.40 | ug/L | 0.40 | 1.4 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| Isopropylbenzene | <0.29 | ug/L | 0.29 | 0.98 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| Methyl tert-butyl ether | <0.26 | ug/L | 0.26 | 0.86 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| Methylene chloride | <0.30 | ug/L | 0.30 | 0.99 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| n-Butylbenzene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| n-Propylbenzene | <0.26 | ug/L | 0.26 | 0.85 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| Naphthalene | <0.50 | ug/L | 0.50 | 1.5 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| p-Isopropyltoluene | <0.25 | ug/L | 0.25 | 0.82 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| sec-Butylbenzene | <0.26 | ug/L | 0.26 | 0.85 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| Styrene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| tert-Butylbenzene | <0.24 | ug/L | 0.24 | 0.80 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| Tetrachloroethene | <0.26 | ug/L | 0.26 | 0.87 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| Toluene | <0.25 | ug/L | 0.25 | 0.84 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| Total Xylene | <0.26 | ug/L | 0.26 | 0.88 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| trans-1,2-Dichloroethene | <0.23 | ug/L | 0.23 | 0.75 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| trans-1,3-Dichloropropene | <0.28 | ug/L | 0.28 | 0.93 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| Trichloroethene | <0.30 | ug/L | 0.30 | 1.0 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| Trichlorofluoromethane | <0.24 | ug/L | 0.24 | 0.80 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |
| Vinyl chloride | <0.17 | ug/L | 0.17 | 0.58 | 1 | U | | 11/04/2018 21:21 | AGK | EPA 524.2 |

Notes: All LOD/LOQs are adjusted to reflect dilution, percent solids, and any differences in the sample weight / volume as compared to standard amounts. "U" qualifier indicates concentration of analyte was below the detection limit. "J" qualifier indicates an estimated value between the LOD and LOQ.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Eric T. Korthals
Project Manager
Submitted by: 608-356-2760

Reason for Revis

corrected field data temperature on NR2B

| Code | <u>Description</u> | QC Qualifiers | |
|------|--|--|--|
| В | Analyte detected in the associated Method Blank. | | |
| С | Toxicity present in BOD sample. | | Current CT Laboratories Certifications |
| D | Diluted Out. | | |
| E | Safe, No Total Coliform detected. | | Wisconsin (WDNR) Chemistry ID# 157066030 |
| F | Unsafe, Total Coliform detected, no E. Coli detecte | d. | Wisconsin (DATCP) Bacteriology ID# 105-289 |
| G | Unsafe, Total Coliform detected and E. Coli detected | ed. | Louisiana NELAP (primary) ID# ACC20160002 |
| Н | Holding time exceeded. | | |
| I | Incubator temperature was outside acceptance lim | its during test period. | Illinois NELAP Lab ID# 200073 |
| J | Estimated value. | | Kansas NELAP Lab ID# E-10368 |
| L | Significant peaks were detected outside the chrom | atographic window. | Virginia NELAP Lab ID# 460203 |
| M | Matrix spike and/or Matrix Spike Duplicate recover | y outside acceptance limits. | |
| N | Insufficient BOD oxygen depletion. | | Maryland Lab ID# WI00061 |
| 0 | Complete BOD oxygen depletion. | | ISO/IEC 17025-2005 A2LA Cert # 3806.01 |
| Р | Concentration of analyte differs more than 40% be | tween primary and confirmation analysis. | DoD-ELAP A2LA 3806.01 |
| Q | Laboratory Control Sample outside acceptance lim | its. | GA EPD Stipulation ID ACC20160002 |
| R | See Narrative at end of report. | | GA EFD Stipulation ID ACC20100002 |
| S | Surrogate standard recovery outside acceptance li | mits due to apparent matrix effects. | |
| T | Sample received with improper preservation or ten | pperature. | |
| U | Analyte concentration was below detection limit. | | |
| ٧ | Raised Quantitation or Reporting Limit due to limit | ed sample amount or dilution for matrix background interference. | |
| W | Sample amount received was below program minir | num. | |
| Χ | Analyte exceeded calibration range. | | |
| Υ | Replicate/Duplicate precision outside acceptance I | imits. | |
| Z | Specified calibration criteria was not met. | | |
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