

October 13, 2021

MBN-21-693

Mr. Benjamin Jones
Fusion Homes
500 Hanlon Creek Blvd
Guelph, Ontario N1C 0A1

Re: Soil Sampling Summary – Gamma Parcel
374 MacAlister Blvd, Guelph, ON (Site)

Dear Mr. Jones:

MBN Environmental Engineering Inc. (MBN) was retained by Fusion Homes (Fusion) to oversee the excavation of test pits and to collect soil samples at the above-referenced Site. MBN previously completed a Phase One ESA at the Site in February 2017. The Phase One ESA identified the presence of imported fill stockpiles at the Site which were considered a Potentially Contaminating Activity (PCA). MBN recommended a Phase Two ESA to determine if the fill had impacted the Site. During a subsequent Phase One ESA Update in February 2019 MBN noted that the majority of the fill piles had been removed from the Site. MBN again recommended a Phase Two ESA to investigate the potential impacts from the imported fill materials.

Six soil samples were collected from six test pits on September 28, 2021 using a backhoe operated by Stamml Inc, as coordinated by Fusion. The test pit locations, shown on Figure 1, were selected by MBN to be representative of the total Site area, including former fill stockpile locations and areas where fill had not been stockpiled. The respective sample elevations (metres below ground surface) are provided in Table 1.

There was no deleterious material (i.e., building debris, garbage etc.) observed in any of the test pits, with the exception of some bricks at TP-4. A summary of the respective test pit observations is provided in Table 2.

The soil samples were submitted for analysis of petroleum hydrocarbons (PHCs) fractions one to four (F1-4); volatile organic compounds (VOCs); metals and inorganics; polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) under chain of custody protocols to ALS Canada Ltd. (ALS) of Waterloo, Ontario. ALS is accredited with the Canadian Association for Laboratory Accreditation Inc.

The sample analytical results are summarized in the attached Table 1. The laboratory analytical certificate is included in Attachment A.

There were no exceedances of the Ministry of Environment, Conservation and Parks (MECP) Table 2 (potable groundwater) Site Condition Standards (SCS) in a residential/parkland/institutional property use for any of the parameters analyzed with the exception of the following:



Fusion Homes – Gamma Parcel
Soil Sampling Summary
374 MacAlister Blvd, Guelph, ON
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- Zinc - TP-2 and TP-5 with reported concentrations of 357 ug/g and 497 ug/g, respectively. The MECP Table 2 SCS for zinc is 340 ug/g.

We trust this summary meets your requirements. Please do not hesitate to contact me if you have any questions or comments.

Sincerely yours,
MBN Environmental Engineering Inc.

A handwritten signature in black ink that reads "Drew Stoltz".

Drew Stoltz, P.Eng.
Principal

FIGURE



SOURCE: BASE IMAGE TAKEN FROM CITY OF GUELPH, 2021

PLAN VIEW

1 : 1500

SCALE BAR



LEGEND

TP-1 TEXT PIT/SOIL SAMPLE LOCATION

TABLES

TABLE 1

SUMMARY OF ANALYTICAL RESULTS FOR SOIL
FUSION HOMES - GAMMA PARCEL
374 MACALISTER BLVD, GUELPH, ONTARIO

| Parameter | Reporting Units | Table 2 | | Table 2 | | Sample ID Laboratory ID Sample Date | GAMMA-1 L2644664-1 2021-09-21 | GAMMA-2 L2644664-2 2021-09-21 | GAMMA-3 L2644664-3 2021-09-21 | GAMMA-4 L2644664-4 2021-09-21 | GAMMA-5 L2644664-5 2021-09-21 | GAMMA-6 L2644664-6 2021-09-21 | | | |
|---|-----------------|---------|--------------------|---------|--------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------|-----|-----|
| | | Limit | SCS ⁽¹⁾ | Limit | SCS ⁽²⁾ | | Res/Park/Inst | Res/Park/Inst | Sample Depth (m BGS) | 1.0 | 1.5 | 1.8 | 2.0 | 1.5 | 1.0 |
| | | | | | | | | | | | | | | | |
| <u>Petroleum Hydrocarbons</u> | | | | | | | | | | | | | | | |
| F1 (C6-C10) | µg/g | 5 | 55 | 65 | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | |
| F1+TEX | µg/g | 5 | 55 | 55 | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | |
| F2 (C10-C16) | µg/g | 10 | 98 | 150 | | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | | |
| F2-Naphth | µg/g | 10 | -- | -- | | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | | |
| F3 (C16-C34) | µg/g | 50 | 300 | 1300 | | | <50 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| F3-PAH | µg/g | 50 | -- | -- | | | <50 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| F4 (C34-C50) | µg/g | 50 | 2800 | 5600 | | | <50 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| <u>Volatile Organic Compounds</u> | | | | | | | | | | | | | | | |
| Acetone | µg/g | 0.5 | 16 | 28 | | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | |
| Benzene | µg/g | 0.0068 | 0.21 | 0.17 | | | <0.0068 | <0.0068 | <0.0068 | <0.0068 | <0.0068 | <0.0068 | <0.0068 | | |
| Bromodichloromethane | µg/g | 0.05 | 1.5 | 1.9 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Bromoform | µg/g | 0.05 | 0.27 | 0.26 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Bromomethane | µg/g | 0.05 | 0.05 | 0.05 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Carbon tetrachloride | µg/g | 0.05 | 0.05 | 0.12 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Chlorobenzene | µg/g | 0.05 | 2.4 | 2.7 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Dibromochloromethane | µg/g | 0.05 | 2.3 | 2.9 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Chloroform | µg/g | 0.05 | 0.05 | 0.18 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| 1,2-Dibromoethane | µg/g | 0.05 | 0.05 | 0.05 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| 1,2-Dichlorobenzene | µg/g | 0.05 | 1.2 | 1.7 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| 1,3-Dichlorobenzene | µg/g | 0.05 | 4.8 | 6 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| 1,4-Dichlorobenzene | µg/g | 0.05 | 0.93 | 0.97 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Dichlorofluoromethane | µg/g | 0.05 | 16 | 25 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| 1,1-Dichloroethane | µg/g | 0.05 | 0.47 | 0.6 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| 1,2-Dichloroethane | µg/g | 0.05 | 0.05 | 0.05 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| 1,1-Dichloroethylene | µg/g | 0.05 | 0.05 | 0.05 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| cis-1,2-Dichloroethylene | µg/g | 0.05 | 1.9 | 2.5 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| trans-1,2-Dichloroethylene | µg/g | 0.05 | 0.084 | 0.75 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Methylene Chloride | µg/g | 0.05 | 0.1 | 0.96 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| 1,2-Dichloropropane | µg/g | 0.05 | 0.05 | 0.085 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| cis-1,3-Dichloropropene | µg/g | 0.03 | -- | -- | | | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | |
| trans-1,3-Dichloropropene | µg/g | 0.03 | -- | -- | | | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | |
| 1,3-Dichloropropene (cis & trans) | µg/g | 0.042 | 0.05 | 0.81 | | | <0.042 | <0.042 | <0.042 | <0.042 | <0.042 | <0.042 | <0.042 | | |
| 1,3-Dichloropropane | µg/g | 0.018 | 1.1 | 1.6 | | | <0.018 | <0.018 | <0.018 | <0.018 | <0.018 | <0.018 | <0.018 | | |
| n-Hexane | µg/g | 0.05 | 2.8 | 34 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Methyl Ethyl Ketone | µg/g | 0.5 | 16 | 44 | | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | |
| Methyl Isobutyl Ketone | µg/g | 0.5 | 1.7 | 4.3 | | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | |
| MTBE | µg/g | 0.05 | 0.75 | 1.4 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Syrene | µg/g | 0.05 | 0.7 | 2.2 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| 1,1,2-Tetrachloroethane | µg/g | 0.05 | 0.05 | 0.05 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| 1,1,2,2-Tetrachloroethane | µg/g | 0.05 | 0.05 | 0.05 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Tetrachloroethylene | µg/g | 0.05 | 0.28 | 2.3 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| 1,1,1-Trichloroethane | µg/g | 0.05 | 0.38 | 3.4 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| 1,1,2-Trichloroethane | µg/g | 0.05 | 0.05 | 0.05 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Trichloroethylene | µg/g | 0.01 | 0.061 | 0.52 | | | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | | |
| Trifluoromethane | µg/g | 0.05 | 4 | 5.8 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Vinyl chloride | µg/g | 0.02 | 0.02 | 0.022 | | | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | | |
| x-Cylene | µg/g | 0.02 | -- | -- | | | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | | |
| m+p-Xylenes | µg/g | 0.03 | -- | -- | | | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | |
| Xylenes (Total) | µg/g | 0.05 | 3.1 | 25 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| <u>Metals</u> | | | | | | | | | | | | | | | |
| Antimony (Sb) | µg/g | 1.0 | 7.5 | 7.5 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Arsenic (As) | µg/g | 1.0 | 18 | 18 | | | 2.8 | 3 | 2.6 | 3.5 | 2.2 | 2.8 | | | |
| Barium (Ba) | µg/g | 1.0 | 390 | 390 | | | 33.5 | 20.8 | 30.8 | 37.8 | 11.8 | 31.6 | | | |
| Beryllium (Be) | µg/g | 0.50 | 4 | 5 | | | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | |
| Boron (B) | µg/g | 5.0 | 120 | 120 | | | 6.2 | 5.1 | 5.5 | 5.8 | <5 | 7.4 | | | |
| Boron (B) HWE | µg/g | 0.1 | 1.5 | 1.5 | | | <0.10 | <0.10 | 0.1 | 0.19 | <0.10 | <0.10 | | | |
| Cadmium (Cd) | µg/g | 0.5 | 1.2 | 1.2 | | | <0.50 | 0.55 | <0.50 | <0.50 | <0.50 | 0.55 | | | |
| Chromium (Cr) | µg/g | 1.0 | 160 | 160 | | | 11.4 | 9.8 | 11 | 12.3 | 7.5 | 9.5 | | | |
| Cobalt (Co) | µg/g | 1.0 | 22 | 22 | | | 3.7 | 3.1 | 3.4 | 3.8 | 2.5 | 3.4 | | | |
| Copper (Cu) | µg/g | 1.0 | 140 | 180 | | | 10.4 | 9.2 | 9.7 | 10.2 | 6.3 | 10.3 | | | |
| Electrical Conductivity | mS/cm | 0.0 | 0.7 | 0.7 | | | 0.146 | 0.132 | 0.132 | 0.18 | 0.107 | 0.0909 | | | |
| Lead (Pb) | µg/g | 1.0 | 120 | 120 | | | 31.9 | 43.3 | 22.3 | 34.1 | 37.1 | 27.8 | | | |
| Manganese | µg/g | 0.005 | 0.07 | 1.5 | | | 0.0155 | 0.0161 | 0.0134 | 0.027 | 0.045 | 0.021 | | | |
| Molybdenum (Mo) | µg/g | 1.0 | 6.9 | 6.9 | | | <1 | <1 | <1 | <1 | <1 | <1 | | | |
| Nickel (Ni) | µg/g | 1.0 | 100 | 130 | | | 8 | 6.8 | 7.3 | 7.9 | 5.4 | 7.2 | | | |
| Selenium (Se) | µg/g | 1.0 | 2.4 | 2.4 | | | <1 | <1 | <1 | <1 | <1 | <1 | | | |
| Silver (Ag) | µg/g | 0.2 | 20 | 25 | | | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | | | |
| Sodium Adsorption Ratio | -- | 0.1 | 5 | 5 | | | 0.2 | 0.2 | 0.10 | 0.10 | 0.1 | 0.10 | <0.10 | | |
| Thallium (Tl) | µg/g | 0.5 | 1 | 1 | | | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | |
| Uranium (U) | µg/g | 1.0 | 23 | 23 | | | <1 | <1 | <1 | <1 | <1 | <1 | | | |
| Vanadium (V) | µg/g | 1.0 | 86 | 86 | | | 22.2 | 22.4 | 21.6 | 23 | 17.1 | 18.4 | | | |
| Zinc (Zn) | µg/g | 5.0 | 340 | 340 | | | 206 | 357 | 147 | 191 | 497 | 190 | | | |
| Hexavalent Chromium | µg/g | 0.2 | 8 | 10 | | | 0.21 | 0.31 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | | |
| Cyanide | µg/g | 0.05 | 0.051 | 0.051 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| <u>Polycyclic Aromatic Hydrocarbons</u> | | | | | | | | | | | | | | | |
| Acenaphthene | µg/g | 0.05 | 7.9 | 29 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Acenaphthylene | µg/g | 0.05 | 0.15 | 0.17 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Anthracene | µg/g | 0.05 | 0.67 | 0.74 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Benz(a)anthracene | µg/g | 0.05 | 0.5 | 0.63 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Benz(a)pyrene | µg/g | 0.05 | 0.3 | 0.3 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Benz(b,g,i)perylene | µg/g | 0.05 | 0.05 | 6.6 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Benz(k)perylene | µg/g | 0.05 | 0.05 | 0.78 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Chrysene | µg/g | 0.05 | 7 | 7.8 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Dibenzo(a,h)anthracene | µg/g | 0.05 | 0.1 | 0.1 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Fluoranthene | µg/g | 0.05 | 0.05 | 0.69 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Indeno[1,2,3- <i>cd</i>]perylene | µg/g | 0.05 | 0.38 | 0.48 | | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| 1,2-Methylenaphthalene | µg/g | 0.042 | 0.09 | 3.4 | | | <0.042 | <0.042 | <0.042 | <0.042 | <0.042 | <0.042 | <0.042 | | |
| 2-Methylnaphthalene | µg/g | 0.03 | 0.09 | 3.4 | | | | | | | | | | | |

Motor:

(1) Table 2 Site Condition Standards (SCS) from Ontario Ministry of the Environment's "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the *Environmental Protection Act*," dated April 15, 2011. Values are for average texture of soil and residential/industrial/institutional receptors.

Values are for coarse textured soil or residential/parkland/institutional property use.

(2) Table 2 Site Condition Standards (SCS) from Ontario Ministry of the Environment's "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the *Environmental Protection Act*," dated April 15, 2011.

Values are for medium-fine textured of soil and resident

<5.0 - Parameter not detected at

-- No SCS for associated parameter.
135 Parameter exceeds Table 2 SCS for coarse textured soil.
135 Parameter exceeds Table 2 SCS for medium-fine textured soil

TABLE 2

**TEST PIT OBSERVATION SUMMARY
FUSION HOMES - GAMMA PARCEL
374 MACALISTER BLVD, GUELPH, ONTARIO**

| LOCATION | OBSERVATIONS |
|-----------------|--|
| TP1 | Beneath' historic fill pile. Sampled native sandy rocky/cobbles, stiff. No odour/discolouration |
| TP2 | Fill overlying thin native topsoil layer overlying native sandy gravel. No odour/discolouration |
| TP3 | Appears should be fill based on elevation compared to Victoria Road but native sand/gravel/cobbles throughout. No odour/discolouration |
| TP4 | Sampled fill pile present. Sand, clay, topsoil, rocks, a few bricks. No odour/discolouration |
| TP5 | Native from ground surface. Sandy with cobbles. No odour/discolouration |
| TP6 | Native from ground surface. Gravelly sand. No odour/discolouration |

ATTACHMENT A

LABORATORY CERTIFICATE OF ANALYSIS



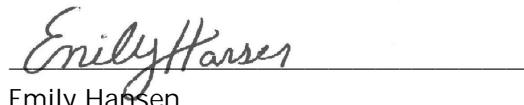
MBN ENVIRONMENTAL ENGINEERING INC.
ATTN: DREW STOLTZ
29 St. Charles Street, East
Maryhill ON N0B 2B0

Date Received: 28-SEP-21
Report Date: 04-OCT-21 14:52 (MT)
Version: FINAL

Client Phone: 519-804-7408

Certificate of Analysis

Lab Work Order #: L2644664
Project P.O. #: NOT SUBMITTED
Job Reference: MBN-21-693
C of C Numbers: 20-898275
Legal Site Desc:



Emily Hansen
Account Manager

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ADDRESS: 60 Northland Road, Unit 1, Waterloo, ON N2V 2B8 Canada | Phone: +1 519 886 6910 | Fax: +1 519 886 9047
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Environmental

MBN-21-693

ANALYTICAL GUIDELINE REPORT

L2644664 CONTD....

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04-OCT-21 14:52 (MT)

| Sample Details | | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | |
|-------------------------------------|---------|--------------|-----------|----------|-----------|----------|------------------|----|
| Grouping | Analyte | | | | | | #1 | #2 |
| L2644664-1 | GAMMA-1 | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | |
| Matrix: | SOIL | | | | | | | |
| Physical Tests | | | | | | | | |
| Conductivity | 0.146 | | 0.0040 | mS/cm | 01-OCT-21 | 0.7 | 0.7 | |
| % Moisture | 6.70 | | 0.25 | % | 30-SEP-21 | | | |
| pH | 7.72 | | 0.10 | pH units | 04-OCT-21 | | | |
| Cyanides | | | | | | | | |
| Cyanide, Weak Acid Diss | <0.050 | | 0.050 | ug/g | 01-OCT-21 | 0.051 | 0.051 | |
| Saturated Paste Extractables | | | | | | | | |
| SAR | 0.20 | | 0.10 | SAR | 30-SEP-21 | 5 | 5 | |
| Calcium (Ca) | 18.8 | | 0.50 | mg/L | 30-SEP-21 | | | |
| Magnesium (Mg) | 4.17 | | 0.50 | mg/L | 30-SEP-21 | | | |
| Sodium (Na) | 3.64 | | 0.50 | mg/L | 30-SEP-21 | | | |
| Metals | | | | | | | | |
| Antimony (Sb) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 7.5 | 7.5 | |
| Arsenic (As) | 2.8 | | 1.0 | ug/g | 30-SEP-21 | 18 | 18 | |
| Barium (Ba) | 33.5 | | 1.0 | ug/g | 30-SEP-21 | 390 | 390 | |
| Beryllium (Be) | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 4 | 5 | |
| Boron (B) | 6.2 | | 5.0 | ug/g | 30-SEP-21 | 120 | 120 | |
| Boron (B), Hot Water Ext. | <0.10 | | 0.10 | ug/g | 30-SEP-21 | 1.5 | 1.5 | |
| Cadmium (Cd) | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 1.2 | 1.2 | |
| Chromium (Cr) | 11.4 | | 1.0 | ug/g | 30-SEP-21 | 160 | 160 | |
| Cobalt (Co) | 3.7 | | 1.0 | ug/g | 30-SEP-21 | 22 | 22 | |
| Copper (Cu) | 10.4 | | 1.0 | ug/g | 30-SEP-21 | 140 | 180 | |
| Lead (Pb) | 31.9 | | 1.0 | ug/g | 30-SEP-21 | 120 | 120 | |
| Mercury (Hg) | 0.0155 | | 0.0050 | ug/g | 01-OCT-21 | 0.27 | 1.8 | |
| Molybdenum (Mo) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 6.9 | 6.9 | |
| Nickel (Ni) | 8.0 | | 1.0 | ug/g | 30-SEP-21 | 100 | 130 | |
| Selenium (Se) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 2.4 | 2.4 | |
| Silver (Ag) | <0.20 | | 0.20 | ug/g | 30-SEP-21 | 20 | 25 | |
| Thallium (Tl) | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 1 | 1 | |
| Uranium (U) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 23 | 23 | |
| Vanadium (V) | 22.2 | | 1.0 | ug/g | 30-SEP-21 | 86 | 86 | |
| Zinc (Zn) | 206 | | 5.0 | ug/g | 30-SEP-21 | 340 | 340 | |
| Speciated Metals | | | | | | | | |
| Chromium, Hexavalent | 0.21 | | 0.20 | ug/g | 01-OCT-21 | 8 | 10 | |
| Volatile Organic Compounds | | | | | | | | |
| Acetone | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 16 | 28 | |
| Benzene | <0.0068 | | 0.0068 | ug/g | 30-SEP-21 | 0.21 | 0.17 | |
| Bromodichloromethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 1.5 | 1.9 | |
| Bromoform | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.27 | 0.26 | |
| Bromomethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | |
| Carbon tetrachloride | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.12 | |
| Chlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 2.4 | 2.7 | |
| Dibromochloromethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 2.3 | 2.9 | |
| Chloroform | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.18 | |
| 1,2-Dibromoethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | |
| 1,2-Dichlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 1.2 | 1.7 | |

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



Environmental

MBN-21-693

ANALYTICAL GUIDELINE REPORT

L2644664 CONTD....

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04-OCT-21 14:52 (MT)

| Sample Details | | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | | |
|---|---------|--------------|-----------|-----------|-------|----------|------------------|----|--|
| Grouping | Analyte | | | | | | #1 | #2 | |
| L2644664-1 | GAMMA-1 | | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | | |
| Matrix: | SOIL | | | | | | | | |
| Volatile Organic Compounds | | | | | | | | | |
| 1,3-Dichlorobenzene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 4.8 | 6 | | | |
| 1,4-Dichlorobenzene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.083 | 0.097 | | | |
| Dichlorodifluoromethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 16 | 25 | | | |
| 1,1-Dichloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.47 | 0.6 | | | |
| 1,2-Dichloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | | |
| 1,1-Dichloroethylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | | |
| cis-1,2-Dichloroethylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 1.9 | 2.5 | | | |
| trans-1,2-Dichloroethylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.084 | 0.75 | | | |
| Methylene Chloride | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.1 | 0.96 | | | |
| 1,2-Dichloropropane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.085 | | | |
| cis-1,3-Dichloropropene | <0.030 | 0.030 | ug/g | 30-SEP-21 | | | | | |
| trans-1,3-Dichloropropene | <0.030 | 0.030 | ug/g | 30-SEP-21 | | | | | |
| 1,3-Dichloropropene (cis & trans) | <0.042 | 0.042 | ug/g | 30-SEP-21 | 0.05 | 0.081 | | | |
| Ethylbenzene | <0.018 | 0.018 | ug/g | 30-SEP-21 | 1.1 | 1.6 | | | |
| n-Hexane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 2.8 | 34 | | | |
| Methyl Ethyl Ketone | <0.50 | 0.50 | ug/g | 30-SEP-21 | 16 | 44 | | | |
| Methyl Isobutyl Ketone | <0.50 | 0.50 | ug/g | 30-SEP-21 | 1.7 | 4.3 | | | |
| MTBE | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.75 | 1.4 | | | |
| Styrene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.7 | 2.2 | | | |
| 1,1,1,2-Tetrachloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.058 | 0.05 | | | |
| 1,1,2,2-Tetrachloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | | |
| Tetrachloroethylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.28 | 2.3 | | | |
| Toluene | <0.080 | 0.080 | ug/g | 30-SEP-21 | 2.3 | 6 | | | |
| 1,1,1-Trichloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.38 | 3.4 | | | |
| 1,1,2-Trichloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | | |
| Trichloroethylene | <0.010 | 0.010 | ug/g | 30-SEP-21 | 0.061 | 0.52 | | | |
| Trichlorofluoromethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 4 | 5.8 | | | |
| Vinyl chloride | <0.020 | 0.020 | ug/g | 30-SEP-21 | 0.02 | 0.022 | | | |
| o-Xylene | <0.020 | 0.020 | ug/g | 30-SEP-21 | | | | | |
| m+p-Xylenes | <0.030 | 0.030 | ug/g | 30-SEP-21 | | | | | |
| Xylenes (Total) | <0.050 | 0.050 | ug/g | 30-SEP-21 | 3.1 | 25 | | | |
| Surrogate: 4-Bromofluorobenzene | 90.6 | 50-140 | % | 30-SEP-21 | | | | | |
| Surrogate: 1,4-Difluorobenzene | 92.3 | 50-140 | % | 30-SEP-21 | | | | | |
| Hydrocarbons | | | | | | | | | |
| F1 (C6-C10) | <5.0 | 5.0 | ug/g | 30-SEP-21 | 55 | 65 | | | |
| F1-BTEX | <5.0 | 5.0 | ug/g | 01-OCT-21 | 55 | 65 | | | |
| F2 (C10-C16) | <10 | 10 | ug/g | 01-OCT-21 | 98 | 150 | | | |
| F2-Naphth | <10 | 10 | ug/g | 01-OCT-21 | | | | | |
| F3 (C16-C34) | <50 | 50 | ug/g | 01-OCT-21 | 300 | 1300 | | | |
| F3-PAH | <50 | 50 | ug/g | 01-OCT-21 | | | | | |
| F4 (C34-C50) | <50 | 50 | ug/g | 01-OCT-21 | 2800 | 5600 | | | |
| Total Hydrocarbons (C6-C50) | <72 | 72 | ug/g | 01-OCT-21 | | | | | |
| Chrom. to baseline at nC50 | YES | | No Unit | 01-OCT-21 | | | | | |
| Surrogate: 2-Bromobenzotrifluoride | 85.9 | 60-140 | % | 01-OCT-21 | | | | | |
| Surrogate: 3,4-Dichlorotoluene | 80.4 | 60-140 | % | 30-SEP-21 | | | | | |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | |

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



Environmental

MBN-21-693

ANALYTICAL GUIDELINE REPORT

L2644664 CONTD....

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| Sample Details | | Analyte | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | | |
|---|---------|--------------|--------|-----------|-----------|-------|----------|------------------|----|--|
| Grouping | | | | | | | | #1 | #2 | |
| L2644664-1 | GAMMA-1 | | | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | | | |
| Matrix: | SOIL | | | | | | | | | |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | |
| Acenaphthene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 7.9 | 29 | | | |
| Acenaphthylene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.15 | 0.17 | | | |
| Anthracene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.67 | 0.74 | | | |
| Benzo(a)anthracene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.5 | 0.63 | | | |
| Benzo(a)pyrene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.3 | 0.3 | | | |
| Benzo(b&j)fluoranthene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.78 | 0.78 | | | |
| Benzo(g,h,i)perylene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 6.6 | 7.8 | | | |
| Benzo(k)fluoranthene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.78 | 0.78 | | | |
| Chrysene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 7 | 7.8 | | | |
| Dibenz(a,h)anthracene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.1 | 0.1 | | | |
| Fluoranthene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.69 | 0.69 | | | |
| Fluorene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 62 | 69 | | | |
| Indeno(1,2,3-cd)pyrene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.38 | 0.48 | | | |
| 1+2-Methylnaphthalenes | <0.042 | | 0.042 | ug/g | 30-SEP-21 | 0.99 | 3.4 | | | |
| 1-Methylnaphthalene | <0.030 | | 0.030 | ug/g | 30-SEP-21 | 0.99 | 3.4 | | | |
| 2-Methylnaphthalene | <0.030 | | 0.030 | ug/g | 30-SEP-21 | 0.99 | 3.4 | | | |
| Naphthalene | <0.013 | | 0.013 | ug/g | 30-SEP-21 | 0.6 | 0.75 | | | |
| Phenanthrene | <0.046 | | 0.046 | ug/g | 30-SEP-21 | 6.2 | 7.8 | | | |
| Pyrene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 78 | 78 | | | |
| Surrogate: 2-Fluorobiphenyl | 88.7 | | 50-140 | % | 30-SEP-21 | | | | | |
| Surrogate: d14-Terphenyl | 89.5 | | 50-140 | % | 30-SEP-21 | | | | | |
| Polychlorinated Biphenyls | | | | | | | | | | |
| Aroclor 1242 | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | | | |
| Aroclor 1248 | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | | | |
| Aroclor 1254 | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | | | |
| Aroclor 1260 | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | | | |
| Total PCBs | <0.020 | | 0.020 | ug/g | 30-SEP-21 | 0.35 | 0.35 | | | |
| Surrogate: d14-Terphenyl | 100.8 | | 60-140 | % | 30-SEP-21 | | | | | |
| L2644664-2 | GAMMA-2 | | | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | | | |
| Matrix: | SOIL | | | | | | | | | |
| Physical Tests | | | | | | | | | | |
| Conductivity | 0.132 | | 0.0040 | mS/cm | 01-OCT-21 | 0.7 | 0.7 | | | |
| % Moisture | 7.80 | | 0.25 | % | 30-SEP-21 | | | | | |
| pH | 7.58 | | 0.10 | pH units | 04-OCT-21 | | | | | |
| Cyanides | | | | | | | | | | |
| Cyanide, Weak Acid Diss | <0.050 | | 0.050 | ug/g | 01-OCT-21 | 0.051 | 0.051 | | | |
| Saturated Paste Extractables | | | | | | | | | | |
| SAR | <0.10 | | 0.10 | SAR | 30-SEP-21 | 5 | 5 | | | |
| Calcium (Ca) | 18.7 | | 0.50 | mg/L | 30-SEP-21 | | | | | |
| Magnesium (Mg) | 4.77 | | 0.50 | mg/L | 30-SEP-21 | | | | | |
| Sodium (Na) | 0.72 | | 0.50 | mg/L | 30-SEP-21 | | | | | |
| Metals | | | | | | | | | | |
| Antimony (Sb) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 7.5 | 7.5 | | | |
| Arsenic (As) | 3.0 | | 1.0 | ug/g | 30-SEP-21 | 18 | 18 | | | |

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



Environmental

MBN-21-693

ANALYTICAL GUIDELINE REPORT

L2644664 CONTD....

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| Sample Details | | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | | |
|-----------------------------------|---------|--------------|-----------|------|-----------|----------|------------------|----|--|
| Grouping | Analyte | | | | | | #1 | #2 | |
| L2644664-2 | GAMMA-2 | | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | | |
| Matrix: | SOIL | | | | | | | | |
| Metals | | | | | | | | | |
| Barium (Ba) | 20.8 | | 1.0 | ug/g | 30-SEP-21 | 390 | 390 | | |
| Beryllium (Be) | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 4 | 5 | | |
| Boron (B) | 5.1 | | 5.0 | ug/g | 30-SEP-21 | 120 | 120 | | |
| Boron (B), Hot Water Ext. | <0.10 | | 0.10 | ug/g | 30-SEP-21 | 1.5 | 1.5 | | |
| Cadmium (Cd) | 0.55 | | 0.50 | ug/g | 30-SEP-21 | 1.2 | 1.2 | | |
| Chromium (Cr) | 9.8 | | 1.0 | ug/g | 30-SEP-21 | 160 | 160 | | |
| Cobalt (Co) | 3.1 | | 1.0 | ug/g | 30-SEP-21 | 22 | 22 | | |
| Copper (Cu) | 9.2 | | 1.0 | ug/g | 30-SEP-21 | 140 | 180 | | |
| Lead (Pb) | 43.3 | | 1.0 | ug/g | 30-SEP-21 | 120 | 120 | | |
| Mercury (Hg) | 0.0161 | | 0.0050 | ug/g | 01-OCT-21 | 0.27 | 1.8 | | |
| Molybdenum (Mo) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 6.9 | 6.9 | | |
| Nickel (Ni) | 6.8 | | 1.0 | ug/g | 30-SEP-21 | 100 | 130 | | |
| Selenium (Se) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 2.4 | 2.4 | | |
| Silver (Ag) | <0.20 | | 0.20 | ug/g | 30-SEP-21 | 20 | 25 | | |
| Thallium (Tl) | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 1 | 1 | | |
| Uranium (U) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 23 | 23 | | |
| Vanadium (V) | 22.4 | | 1.0 | ug/g | 30-SEP-21 | 86 | 86 | | |
| Zinc (Zn) | 357 | | 5.0 | ug/g | 30-SEP-21 | *340 | *340 | | |
| Speciated Metals | | | | | | | | | |
| Chromium, Hexavalent | 0.31 | | 0.20 | ug/g | 01-OCT-21 | 8 | 10 | | |
| Volatile Organic Compounds | | | | | | | | | |
| Acetone | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 16 | 28 | | |
| Benzene | <0.0068 | | 0.0068 | ug/g | 30-SEP-21 | 0.21 | 0.17 | | |
| Bromodichloromethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 1.5 | 1.9 | | |
| Bromoform | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.27 | 0.26 | | |
| Bromomethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| Carbon tetrachloride | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.12 | | |
| Chlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 2.4 | 2.7 | | |
| Dibromochloromethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 2.3 | 2.9 | | |
| Chloroform | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.18 | | |
| 1,2-Dibromoethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| 1,2-Dichlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 1.2 | 1.7 | | |
| 1,3-Dichlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 4.8 | 6 | | |
| 1,4-Dichlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.083 | 0.097 | | |
| Dichlorodifluoromethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 16 | 25 | | |
| 1,1-Dichloroethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.47 | 0.6 | | |
| 1,2-Dichloroethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| 1,1-Dichloroethylene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| cis-1,2-Dichloroethylene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 1.9 | 2.5 | | |
| trans-1,2-Dichloroethylene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.084 | 0.75 | | |
| Methylene Chloride | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.1 | 0.96 | | |
| 1,2-Dichloropropane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.085 | | |
| cis-1,3-Dichloropropene | <0.030 | | 0.030 | ug/g | 30-SEP-21 | | | | |
| trans-1,3-Dichloropropene | <0.030 | | 0.030 | ug/g | 30-SEP-21 | | | | |
| 1,3-Dichloropropene (cis & trans) | <0.042 | | 0.042 | ug/g | 30-SEP-21 | 0.05 | 0.081 | | |

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



Environmental

MBN-21-693

ANALYTICAL GUIDELINE REPORT

L2644664 CONTD....

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04-OCT-21 14:52 (MT)

| Sample Details | | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | |
|---|---------|--------------|-----------|-----------|-------|----------|------------------|----|
| Grouping | Analyte | | | | | | #1 | #2 |
| L2644664-2 | GAMMA-2 | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | |
| Matrix: | SOIL | | | | | | | |
| Volatile Organic Compounds | | | | | | | | |
| Ethylbenzene | <0.018 | 0.018 | ug/g | 30-SEP-21 | 1.1 | 1.6 | | |
| n-Hexane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 2.8 | 34 | | |
| Methyl Ethyl Ketone | <0.50 | 0.50 | ug/g | 30-SEP-21 | 16 | 44 | | |
| Methyl Isobutyl Ketone | <0.50 | 0.50 | ug/g | 30-SEP-21 | 1.7 | 4.3 | | |
| MTBE | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.75 | 1.4 | | |
| Styrene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.7 | 2.2 | | |
| 1,1,1,2-Tetrachloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.058 | 0.05 | | |
| 1,1,2,2-Tetrachloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| Tetrachloroethylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.28 | 2.3 | | |
| Toluene | <0.080 | 0.080 | ug/g | 30-SEP-21 | 2.3 | 6 | | |
| 1,1,1-Trichloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.38 | 3.4 | | |
| 1,1,2-Trichloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| Trichloroethylene | <0.010 | 0.010 | ug/g | 30-SEP-21 | 0.061 | 0.52 | | |
| Trichlorofluoromethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 4 | 5.8 | | |
| Vinyl chloride | <0.020 | 0.020 | ug/g | 30-SEP-21 | 0.02 | 0.022 | | |
| o-Xylene | <0.020 | 0.020 | ug/g | 30-SEP-21 | | | | |
| m+p-Xylenes | <0.030 | 0.030 | ug/g | 30-SEP-21 | | | | |
| Xylenes (Total) | <0.050 | 0.050 | ug/g | 30-SEP-21 | 3.1 | 25 | | |
| Surrogate: 4-Bromofluorobenzene | 99.4 | 50-140 | % | 30-SEP-21 | | | | |
| Surrogate: 1,4-Difluorobenzene | 102.4 | 50-140 | % | 30-SEP-21 | | | | |
| Hydrocarbons | | | | | | | | |
| F1 (C6-C10) | <5.0 | 5.0 | ug/g | 30-SEP-21 | 55 | 65 | | |
| F1-BTEX | <5.0 | 5.0 | ug/g | 01-OCT-21 | 55 | 65 | | |
| F2 (C10-C16) | <10 | 10 | ug/g | 01-OCT-21 | 98 | 150 | | |
| F2-Naphth | <10 | 10 | ug/g | 01-OCT-21 | | | | |
| F3 (C16-C34) | <50 | 50 | ug/g | 01-OCT-21 | 300 | 1300 | | |
| F3-PAH | <50 | 50 | ug/g | 01-OCT-21 | | | | |
| F4 (C34-C50) | <50 | 50 | ug/g | 01-OCT-21 | 2800 | 5600 | | |
| Total Hydrocarbons (C6-C50) | <72 | 72 | ug/g | 01-OCT-21 | | | | |
| Chrom. to baseline at nC50 | YES | | No Unit | 01-OCT-21 | | | | |
| Surrogate: 2-Bromobenzotrifluoride | 92.1 | 60-140 | % | 01-OCT-21 | | | | |
| Surrogate: 3,4-Dichlorotoluene | 99.9 | 60-140 | % | 30-SEP-21 | | | | |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | |
| Acenaphthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 7.9 | 29 | | |
| Acenaphthylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.15 | 0.17 | | |
| Anthracene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.67 | 0.74 | | |
| Benzo(a)anthracene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.5 | 0.63 | | |
| Benzo(a)pyrene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.3 | 0.3 | | |
| Benzo(b&j)fluoranthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.78 | 0.78 | | |
| Benzo(g,h,i)perylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 6.6 | 7.8 | | |
| Benzo(k)fluoranthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.78 | 0.78 | | |
| Chrysene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 7 | 7.8 | | |
| Dibenz(a,h)anthracene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.1 | 0.1 | | |
| Fluoranthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.69 | 0.69 | | |
| Fluorene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 62 | 69 | | |
| Indeno(1,2,3-cd)pyrene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.38 | 0.48 | | |

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



Environmental

MBN-21-693

ANALYTICAL GUIDELINE REPORT

L2644664 CONTD....

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| Sample Details | | Analyte | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | | | |
|---|---------|--------------|--------|-----------|-----------|-------|----------|------------------|----|--|--|
| Grouping | | | | | | | | #1 | #2 | | |
| L2644664-2 | GAMMA-2 | | | | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | | | | |
| Matrix: | SOIL | | | | | | | | | | |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | |
| 1+2-Methylnaphthalenes | <0.042 | | 0.042 | ug/g | 30-SEP-21 | | 0.99 | 3.4 | | | |
| 1-Methylnaphthalene | <0.030 | | 0.030 | ug/g | 30-SEP-21 | | 0.99 | 3.4 | | | |
| 2-Methylnaphthalene | <0.030 | | 0.030 | ug/g | 30-SEP-21 | | 0.99 | 3.4 | | | |
| Naphthalene | <0.013 | | 0.013 | ug/g | 30-SEP-21 | | 0.6 | 0.75 | | | |
| Phenanthrene | <0.046 | | 0.046 | ug/g | 30-SEP-21 | | 6.2 | 7.8 | | | |
| Pyrene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | | 78 | 78 | | | |
| Surrogate: 2-Fluorobiphenyl | 88.7 | | 50-140 | % | 30-SEP-21 | | | | | | |
| Surrogate: d14-Terphenyl | 88.8 | | 50-140 | % | 30-SEP-21 | | | | | | |
| Polychlorinated Biphenyls | | | | | | | | | | | |
| Aroclor 1242 | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | | | | |
| Aroclor 1248 | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | | | | |
| Aroclor 1254 | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | | | | |
| Aroclor 1260 | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | | | | |
| Total PCBs | <0.020 | | 0.020 | ug/g | 30-SEP-21 | | 0.35 | 0.35 | | | |
| Surrogate: d14-Terphenyl | 97.0 | | 60-140 | % | 30-SEP-21 | | | | | | |
| L2644664-3 | GAMMA-3 | | | | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | | | | |
| Matrix: | SOIL | | | | | | | | | | |
| Physical Tests | | | | | | | | | | | |
| Conductivity | 0.129 | | 0.0040 | mS/cm | 01-OCT-21 | | 0.7 | 0.7 | | | |
| % Moisture | 7.18 | | 0.25 | % | 30-SEP-21 | | | | | | |
| pH | 7.43 | | 0.10 | pH units | 04-OCT-21 | | | | | | |
| Cyanides | | | | | | | | | | | |
| Cyanide, Weak Acid Diss | <0.050 | | 0.050 | ug/g | 01-OCT-21 | | 0.051 | 0.051 | | | |
| Saturated Paste Extractables | | | | | | | | | | | |
| SAR | <0.10 | | 0.10 | SAR | 30-SEP-21 | | 5 | 5 | | | |
| Calcium (Ca) | 17.6 | | 0.50 | mg/L | 30-SEP-21 | | | | | | |
| Magnesium (Mg) | 3.66 | | 0.50 | mg/L | 30-SEP-21 | | | | | | |
| Sodium (Na) | 1.35 | | 0.50 | mg/L | 30-SEP-21 | | | | | | |
| Metals | | | | | | | | | | | |
| Antimony (Sb) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | | 7.5 | 7.5 | | | |
| Arsenic (As) | 2.6 | | 1.0 | ug/g | 30-SEP-21 | | 18 | 18 | | | |
| Barium (Ba) | 30.8 | | 1.0 | ug/g | 30-SEP-21 | | 390 | 390 | | | |
| Beryllium (Be) | <0.50 | | 0.50 | ug/g | 30-SEP-21 | | 4 | 5 | | | |
| Boron (B) | 5.5 | | 5.0 | ug/g | 30-SEP-21 | | 120 | 120 | | | |
| Boron (B), Hot Water Ext. | 0.10 | | 0.10 | ug/g | 30-SEP-21 | | 1.5 | 1.5 | | | |
| Cadmium (Cd) | <0.50 | | 0.50 | ug/g | 30-SEP-21 | | 1.2 | 1.2 | | | |
| Chromium (Cr) | 11.0 | | 1.0 | ug/g | 30-SEP-21 | | 160 | 160 | | | |
| Cobalt (Co) | 3.4 | | 1.0 | ug/g | 30-SEP-21 | | 22 | 22 | | | |
| Copper (Cu) | 9.7 | | 1.0 | ug/g | 30-SEP-21 | | 140 | 180 | | | |
| Lead (Pb) | 22.3 | | 1.0 | ug/g | 30-SEP-21 | | 120 | 120 | | | |
| Mercury (Hg) | 0.0134 | | 0.0050 | ug/g | 01-OCT-21 | | 0.27 | 1.8 | | | |
| Molybdenum (Mo) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | | 6.9 | 6.9 | | | |
| Nickel (Ni) | 7.3 | | 1.0 | ug/g | 30-SEP-21 | | 100 | 130 | | | |
| Selenium (Se) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | | 2.4 | 2.4 | | | |

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



Environmental

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ANALYTICAL GUIDELINE REPORT

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| Sample Details | | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | | |
|-----------------------------------|---------|--------------|-----------|------|-----------|----------|------------------|----|--|
| Grouping | Analyte | | | | | | #1 | #2 | |
| L2644664-3 | GAMMA-3 | | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | | |
| Matrix: | SOIL | | | | | | | | |
| Metals | | | | | | | | | |
| Silver (Ag) | <0.20 | | 0.20 | ug/g | 30-SEP-21 | 20 | 25 | | |
| Thallium (TI) | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 1 | 1 | | |
| Uranium (U) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 23 | 23 | | |
| Vanadium (V) | 21.6 | | 1.0 | ug/g | 30-SEP-21 | 86 | 86 | | |
| Zinc (Zn) | 147 | | 5.0 | ug/g | 30-SEP-21 | 340 | 340 | | |
| Speciated Metals | | | | | | | | | |
| Chromium, Hexavalent | <0.20 | | 0.20 | ug/g | 01-OCT-21 | 8 | 10 | | |
| Volatile Organic Compounds | | | | | | | | | |
| Acetone | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 16 | 28 | | |
| Benzene | <0.0068 | | 0.0068 | ug/g | 30-SEP-21 | 0.21 | 0.17 | | |
| Bromodichloromethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 1.5 | 1.9 | | |
| Bromoform | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.27 | 0.26 | | |
| Bromomethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| Carbon tetrachloride | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.12 | | |
| Chlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 2.4 | 2.7 | | |
| Dibromochloromethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 2.3 | 2.9 | | |
| Chloroform | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.18 | | |
| 1,2-Dibromoethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| 1,2-Dichlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 1.2 | 1.7 | | |
| 1,3-Dichlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 4.8 | 6 | | |
| 1,4-Dichlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.083 | 0.097 | | |
| Dichlorodifluoromethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 16 | 25 | | |
| 1,1-Dichloroethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.47 | 0.6 | | |
| 1,2-Dichloroethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| 1,1-Dichloroethylene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| cis-1,2-Dichloroethylene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 1.9 | 2.5 | | |
| trans-1,2-Dichloroethylene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.084 | 0.75 | | |
| Methylene Chloride | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.1 | 0.96 | | |
| 1,2-Dichloropropane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.085 | | |
| cis-1,3-Dichloropropene | <0.030 | | 0.030 | ug/g | 30-SEP-21 | | | | |
| trans-1,3-Dichloropropene | <0.030 | | 0.030 | ug/g | 30-SEP-21 | | | | |
| 1,3-Dichloropropene (cis & trans) | <0.042 | | 0.042 | ug/g | 30-SEP-21 | 0.05 | 0.081 | | |
| Ethylbenzene | <0.018 | | 0.018 | ug/g | 30-SEP-21 | 1.1 | 1.6 | | |
| n-Hexane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 2.8 | 34 | | |
| Methyl Ethyl Ketone | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 16 | 44 | | |
| Methyl Isobutyl Ketone | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 1.7 | 4.3 | | |
| MTBE | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.75 | 1.4 | | |
| Styrene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.7 | 2.2 | | |
| 1,1,1,2-Tetrachloroethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.058 | 0.05 | | |
| 1,1,2,2-Tetrachloroethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| Tetrachloroethylene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.28 | 2.3 | | |
| Toluene | <0.080 | | 0.080 | ug/g | 30-SEP-21 | 2.3 | 6 | | |
| 1,1,1-Trichloroethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.38 | 3.4 | | |
| 1,1,2-Trichloroethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| Trichloroethylene | <0.010 | | 0.010 | ug/g | 30-SEP-21 | 0.061 | 0.52 | | |

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



Environmental

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MBN-21-693

ANALYTICAL GUIDELINE REPORT

| Sample Details | | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | |
|---|---------|--------------|-----------|-----------|-------|----------|------------------|----|
| Grouping | Analyte | | | | | | #1 | #2 |
| L2644664-3 | GAMMA-3 | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | |
| Matrix: | SOIL | | | | | | | |
| Volatile Organic Compounds | | | | | | | | |
| Trichlorofluoromethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 4 | 5.8 | | |
| Vinyl chloride | <0.020 | 0.020 | ug/g | 30-SEP-21 | 0.02 | 0.022 | | |
| o-Xylene | <0.020 | 0.020 | ug/g | 30-SEP-21 | | | | |
| m+p-Xylenes | <0.030 | 0.030 | ug/g | 30-SEP-21 | | | | |
| Xylenes (Total) | <0.050 | 0.050 | ug/g | 30-SEP-21 | 3.1 | 25 | | |
| Surrogate: 4-Bromofluorobenzene | 95.5 | 50-140 | % | 30-SEP-21 | | | | |
| Surrogate: 1,4-Difluorobenzene | 99.0 | 50-140 | % | 30-SEP-21 | | | | |
| Hydrocarbons | | | | | | | | |
| F1 (C6-C10) | <5.0 | 5.0 | ug/g | 30-SEP-21 | 55 | 65 | | |
| F1-BTEX | <5.0 | 5.0 | ug/g | 01-OCT-21 | 55 | 65 | | |
| F2 (C10-C16) | <10 | 10 | ug/g | 01-OCT-21 | 98 | 150 | | |
| F2-Naphth | <10 | 10 | ug/g | 01-OCT-21 | | | | |
| F3 (C16-C34) | <50 | 50 | ug/g | 01-OCT-21 | 300 | 1300 | | |
| F3-PAH | <50 | 50 | ug/g | 01-OCT-21 | | | | |
| F4 (C34-C50) | <50 | 50 | ug/g | 01-OCT-21 | 2800 | 5600 | | |
| Total Hydrocarbons (C6-C50) | <72 | 72 | ug/g | 01-OCT-21 | | | | |
| Chrom. to baseline at nC50 | YES | | No Unit | 01-OCT-21 | | | | |
| Surrogate: 2-Bromobenzotrifluoride | 83.2 | 60-140 | % | 01-OCT-21 | | | | |
| Surrogate: 3,4-Dichlorotoluene | 99.6 | 60-140 | % | 30-SEP-21 | | | | |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | |
| Acenaphthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 7.9 | 29 | | |
| Acenaphthylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.15 | 0.17 | | |
| Anthracene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.67 | 0.74 | | |
| Benzo(a)anthracene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.5 | 0.63 | | |
| Benzo(a)pyrene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.3 | 0.3 | | |
| Benzo(b&j)fluoranthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.78 | 0.78 | | |
| Benzo(g,h,i)perylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 6.6 | 7.8 | | |
| Benzo(k)fluoranthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.78 | 0.78 | | |
| Chrysene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 7 | 7.8 | | |
| Dibenz(a,h)anthracene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.1 | 0.1 | | |
| Fluoranthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.69 | 0.69 | | |
| Fluorene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 62 | 69 | | |
| Indeno(1,2,3-cd)pyrene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.38 | 0.48 | | |
| 1+2-Methylnaphthalenes | <0.042 | 0.042 | ug/g | 30-SEP-21 | 0.99 | 3.4 | | |
| 1-Methylnaphthalene | <0.030 | 0.030 | ug/g | 30-SEP-21 | 0.99 | 3.4 | | |
| 2-Methylnaphthalene | <0.030 | 0.030 | ug/g | 30-SEP-21 | 0.99 | 3.4 | | |
| Naphthalene | <0.013 | 0.013 | ug/g | 30-SEP-21 | 0.6 | 0.75 | | |
| Phenanthrene | <0.046 | 0.046 | ug/g | 30-SEP-21 | 6.2 | 7.8 | | |
| Pyrene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 78 | 78 | | |
| Surrogate: 2-Fluorobiphenyl | 89.7 | 50-140 | % | 30-SEP-21 | | | | |
| Surrogate: d14-Terphenyl | 90.6 | 50-140 | % | 30-SEP-21 | | | | |
| Polychlorinated Biphenyls | | | | | | | | |
| Aroclor 1242 | <0.010 | 0.010 | ug/g | 30-SEP-21 | | | | |
| Aroclor 1248 | <0.010 | 0.010 | ug/g | 30-SEP-21 | | | | |
| Aroclor 1254 | <0.010 | 0.010 | ug/g | 30-SEP-21 | | | | |
| Aroclor 1260 | <0.010 | 0.010 | ug/g | 30-SEP-21 | | | | |

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



Environmental

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ANALYTICAL GUIDELINE REPORT

MBN-21-693

| Sample Details | | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | |
|-------------------------------------|---------------------|--------|-----------|----------|-----------|----------|------------------|----|
| Grouping | Analyte | | | | | | #1 | #2 |
| L2644664-3 | GAMMA-3 | | | | | | | |
| Sampled By: | CLIENT on 28-SEP-21 | | | | | | | |
| Matrix: | SOIL | | | | | | | |
| Polychlorinated Biphenyls | | | | | | | | |
| Total PCBs | <0.020 | | 0.020 | ug/g | 30-SEP-21 | 0.35 | 0.35 | |
| Surrogate: d14-Terphenyl | 101.7 | | 60-140 | % | 30-SEP-21 | | | |
| L2644664-4 | GAMMA-4 | | | | | | | |
| Sampled By: | CLIENT on 28-SEP-21 | | | | | | | |
| Matrix: | SOIL | | | | | | | |
| Physical Tests | | | | | | | | |
| Conductivity | 0.180 | | 0.0040 | mS/cm | 01-OCT-21 | 0.7 | 0.7 | |
| % Moisture | 9.47 | | 0.25 | % | 30-SEP-21 | | | |
| pH | 7.50 | | 0.10 | pH units | 04-OCT-21 | | | |
| Cyanides | | | | | | | | |
| Cyanide, Weak Acid Diss | <0.050 | | 0.050 | ug/g | 01-OCT-21 | 0.051 | 0.051 | |
| Saturated Paste Extractables | | | | | | | | |
| SAR | 0.10 | | 0.10 | SAR | 30-SEP-21 | 5 | 5 | |
| Calcium (Ca) | 26.6 | | 0.50 | mg/L | 30-SEP-21 | | | |
| Magnesium (Mg) | 4.40 | | 0.50 | mg/L | 30-SEP-21 | | | |
| Sodium (Na) | 2.20 | | 0.50 | mg/L | 30-SEP-21 | | | |
| Metals | | | | | | | | |
| Antimony (Sb) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 7.5 | 7.5 | |
| Arsenic (As) | 3.5 | | 1.0 | ug/g | 30-SEP-21 | 18 | 18 | |
| Barium (Ba) | 37.8 | | 1.0 | ug/g | 30-SEP-21 | 390 | 390 | |
| Beryllium (Be) | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 4 | 5 | |
| Boron (B) | 5.8 | | 5.0 | ug/g | 30-SEP-21 | 120 | 120 | |
| Boron (B), Hot Water Ext. | 0.19 | | 0.10 | ug/g | 30-SEP-21 | 1.5 | 1.5 | |
| Cadmium (Cd) | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 1.2 | 1.2 | |
| Chromium (Cr) | 12.3 | | 1.0 | ug/g | 30-SEP-21 | 160 | 160 | |
| Cobalt (Co) | 3.8 | | 1.0 | ug/g | 30-SEP-21 | 22 | 22 | |
| Copper (Cu) | 10.2 | | 1.0 | ug/g | 30-SEP-21 | 140 | 180 | |
| Lead (Pb) | 34.1 | | 1.0 | ug/g | 30-SEP-21 | 120 | 120 | |
| Mercury (Hg) | 0.0270 | | 0.0050 | ug/g | 01-OCT-21 | 0.27 | 1.8 | |
| Molybdenum (Mo) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 6.9 | 6.9 | |
| Nickel (Ni) | 7.9 | | 1.0 | ug/g | 30-SEP-21 | 100 | 130 | |
| Selenium (Se) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 2.4 | 2.4 | |
| Silver (Ag) | <0.20 | | 0.20 | ug/g | 30-SEP-21 | 20 | 25 | |
| Thallium (Tl) | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 1 | 1 | |
| Uranium (U) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 23 | 23 | |
| Vanadium (V) | 23.0 | | 1.0 | ug/g | 30-SEP-21 | 86 | 86 | |
| Zinc (Zn) | 191 | | 5.0 | ug/g | 30-SEP-21 | 340 | 340 | |
| Speciated Metals | | | | | | | | |
| Chromium, Hexavalent | <0.20 | | 0.20 | ug/g | 01-OCT-21 | 8 | 10 | |
| Volatile Organic Compounds | | | | | | | | |
| Acetone | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 16 | 28 | |
| Benzene | <0.0068 | | 0.0068 | ug/g | 30-SEP-21 | 0.21 | 0.17 | |
| Bromodichloromethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 1.5 | 1.9 | |
| Bromoform | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.27 | 0.26 | |

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



Environmental

MBN-21-693

ANALYTICAL GUIDELINE REPORT

L2644664 CONTD....

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| Sample Details | | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | |
|-----------------------------------|---------|--------------|-----------|-----------|-------|----------|------------------|----|
| Grouping | Analyte | | | | | | #1 | #2 |
| L2644664-4 | GAMMA-4 | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | |
| Matrix: | SOIL | | | | | | | |
| Volatile Organic Compounds | | | | | | | | |
| Bromomethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| Carbon tetrachloride | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.12 | | |
| Chlorobenzene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 2.4 | 2.7 | | |
| Dibromochloromethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 2.3 | 2.9 | | |
| Chloroform | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.18 | | |
| 1,2-Dibromoethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| 1,2-Dichlorobenzene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 1.2 | 1.7 | | |
| 1,3-Dichlorobenzene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 4.8 | 6 | | |
| 1,4-Dichlorobenzene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.083 | 0.097 | | |
| Dichlorodifluoromethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 16 | 25 | | |
| 1,1-Dichloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.47 | 0.6 | | |
| 1,2-Dichloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| 1,1-Dichloroethylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| cis-1,2-Dichloroethylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 1.9 | 2.5 | | |
| trans-1,2-Dichloroethylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.084 | 0.75 | | |
| Methylene Chloride | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.1 | 0.96 | | |
| 1,2-Dichloropropane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.085 | | |
| cis-1,3-Dichloropropene | <0.030 | 0.030 | ug/g | 30-SEP-21 | | | | |
| trans-1,3-Dichloropropene | <0.030 | 0.030 | ug/g | 30-SEP-21 | | | | |
| 1,3-Dichloropropene (cis & trans) | <0.042 | 0.042 | ug/g | 30-SEP-21 | 0.05 | 0.081 | | |
| Ethylbenzene | <0.018 | 0.018 | ug/g | 30-SEP-21 | 1.1 | 1.6 | | |
| n-Hexane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 2.8 | 34 | | |
| Methyl Ethyl Ketone | <0.50 | 0.50 | ug/g | 30-SEP-21 | 16 | 44 | | |
| Methyl Isobutyl Ketone | <0.50 | 0.50 | ug/g | 30-SEP-21 | 1.7 | 4.3 | | |
| MTBE | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.75 | 1.4 | | |
| Styrene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.7 | 2.2 | | |
| 1,1,1,2-Tetrachloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.058 | 0.05 | | |
| 1,1,2,2-Tetrachloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| Tetrachloroethylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.28 | 2.3 | | |
| Toluene | <0.080 | 0.080 | ug/g | 30-SEP-21 | 2.3 | 6 | | |
| 1,1,1-Trichloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.38 | 3.4 | | |
| 1,1,2-Trichloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| Trichloroethylene | <0.010 | 0.010 | ug/g | 30-SEP-21 | 0.061 | 0.52 | | |
| Trichlorofluoromethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 4 | 5.8 | | |
| Vinyl chloride | <0.020 | 0.020 | ug/g | 30-SEP-21 | 0.02 | 0.022 | | |
| o-Xylene | <0.020 | 0.020 | ug/g | 30-SEP-21 | | | | |
| m+p-Xylenes | <0.030 | 0.030 | ug/g | 30-SEP-21 | | | | |
| Xylenes (Total) | <0.050 | 0.050 | ug/g | 30-SEP-21 | 3.1 | 25 | | |
| Surrogate: 4-Bromofluorobenzene | 88.7 | 50-140 | % | 30-SEP-21 | | | | |
| Surrogate: 1,4-Difluorobenzene | 90.3 | 50-140 | % | 30-SEP-21 | | | | |
| Hydrocarbons | | | | | | | | |
| F1 (C6-C10) | <5.0 | 5.0 | ug/g | 30-SEP-21 | 55 | 65 | | |
| F1-BTEX | <5.0 | 5.0 | ug/g | 01-OCT-21 | 55 | 65 | | |
| F2 (C10-C16) | <10 | 10 | ug/g | 01-OCT-21 | 98 | 150 | | |
| F2-Naphth | <10 | 10 | ug/g | 01-OCT-21 | | | | |
| F3 (C16-C34) | <50 | 50 | ug/g | 01-OCT-21 | 300 | 1300 | | |

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



Environmental

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ANALYTICAL GUIDELINE REPORT

| Sample Details | | Analyte | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | | |
|---|---------|--------------|--------|-----------|-----------|-------|----------|------------------|----|--|
| Grouping | | | | | | | | #1 | #2 | |
| L2644664-4 | GAMMA-4 | | | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | | | |
| Matrix: | SOIL | | | | | | | | | |
| Hydrocarbons | | | | | | | | | | |
| F3-PAH | <50 | | 50 | ug/g | 01-OCT-21 | | | | | |
| F4 (C34-C50) | <50 | | 50 | ug/g | 01-OCT-21 | 2800 | 5600 | | | |
| Total Hydrocarbons (C6-C50) | <72 | | 72 | ug/g | 01-OCT-21 | | | | | |
| Chrom. to baseline at nC50 | YES | | | No Unit | 01-OCT-21 | | | | | |
| Surrogate: 2-Bromobenzotrifluoride | 91.0 | | 60-140 | % | 01-OCT-21 | | | | | |
| Surrogate: 3,4-Dichlorotoluene | 90.3 | | 60-140 | % | 30-SEP-21 | | | | | |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | |
| Acenaphthene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 7.9 | 29 | | | |
| Acenaphthylene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.15 | 0.17 | | | |
| Anthracene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.67 | 0.74 | | | |
| Benzo(a)anthracene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.5 | 0.63 | | | |
| Benzo(a)pyrene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.3 | 0.3 | | | |
| Benzo(b&j)fluoranthene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.78 | 0.78 | | | |
| Benzo(g,h,i)perylene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 6.6 | 7.8 | | | |
| Benzo(k)fluoranthene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.78 | 0.78 | | | |
| Chrysene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 7 | 7.8 | | | |
| Dibenz(a,h)anthracene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.1 | 0.1 | | | |
| Fluoranthene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.69 | 0.69 | | | |
| Fluorene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 62 | 69 | | | |
| Indeno(1,2,3-cd)pyrene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.38 | 0.48 | | | |
| 1+2-Methylnaphthalenes | <0.042 | | 0.042 | ug/g | 30-SEP-21 | 0.99 | 3.4 | | | |
| 1-Methylnaphthalene | <0.030 | | 0.030 | ug/g | 30-SEP-21 | 0.99 | 3.4 | | | |
| 2-Methylnaphthalene | <0.030 | | 0.030 | ug/g | 30-SEP-21 | 0.99 | 3.4 | | | |
| Naphthalene | <0.013 | | 0.013 | ug/g | 30-SEP-21 | 0.6 | 0.75 | | | |
| Phenanthrene | <0.046 | | 0.046 | ug/g | 30-SEP-21 | 6.2 | 7.8 | | | |
| Pyrene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 78 | 78 | | | |
| Surrogate: 2-Fluorobiphenyl | 91.3 | | 50-140 | % | 30-SEP-21 | | | | | |
| Surrogate: d14-Terphenyl | 91.3 | | 50-140 | % | 30-SEP-21 | | | | | |
| Polychlorinated Biphenyls | | | | | | | | | | |
| Aroclor 1242 | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | | | |
| Aroclor 1248 | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | | | |
| Aroclor 1254 | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | | | |
| Aroclor 1260 | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | | | |
| Total PCBs | <0.020 | | 0.020 | ug/g | 30-SEP-21 | 0.35 | 0.35 | | | |
| Surrogate: d14-Terphenyl | 103.4 | | 60-140 | % | 30-SEP-21 | | | | | |
| L2644664-5 | GAMMA-5 | | | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | | | |
| Matrix: | SOIL | | | | | | | | | |
| Physical Tests | | | | | | | | | | |
| Conductivity | 0.107 | | 0.0040 | mS/cm | 01-OCT-21 | 0.7 | 0.7 | | | |
| % Moisture | 5.00 | | 0.25 | % | 30-SEP-21 | | | | | |
| pH | 7.63 | | 0.10 | pH units | 04-OCT-21 | | | | | |
| Cyanides | | | | | | | | | | |
| Cyanide, Weak Acid Diss | <0.050 | | 0.050 | ug/g | 01-OCT-21 | 0.051 | 0.051 | | | |
| Saturated Paste Extractables | | | | | | | | | | |

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



Environmental

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ANALYTICAL GUIDELINE REPORT

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| Sample Details | | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | | |
|-------------------------------------|---------|--------------|-----------|------|-----------|----------|------------------|----|--|
| Grouping | Analyte | | | | | | #1 | #2 | |
| L2644664-5 | GAMMA-5 | | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | | |
| Matrix: | SOIL | | | | | | | | |
| Saturated Paste Extractables | | | | | | | | | |
| SAR | <0.10 | | 0.10 | SAR | 30-SEP-21 | | 5 | 5 | |
| Calcium (Ca) | 14.0 | | 0.50 | mg/L | 30-SEP-21 | | | | |
| Magnesium (Mg) | 2.43 | | 0.50 | mg/L | 30-SEP-21 | | | | |
| Sodium (Na) | 0.70 | | 0.50 | mg/L | 30-SEP-21 | | | | |
| Metals | | | | | | | | | |
| Antimony (Sb) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 7.5 | 7.5 | | |
| Arsenic (As) | 2.2 | | 1.0 | ug/g | 30-SEP-21 | 18 | 18 | | |
| Barium (Ba) | 11.8 | | 1.0 | ug/g | 30-SEP-21 | 390 | 390 | | |
| Beryllium (Be) | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 4 | 5 | | |
| Boron (B) | <5.0 | | 5.0 | ug/g | 30-SEP-21 | 120 | 120 | | |
| Boron (B), Hot Water Ext. | <0.10 | | 0.10 | ug/g | 30-SEP-21 | 1.5 | 1.5 | | |
| Cadmium (Cd) | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 1.2 | 1.2 | | |
| Chromium (Cr) | 7.5 | | 1.0 | ug/g | 30-SEP-21 | 160 | 160 | | |
| Cobalt (Co) | 2.5 | | 1.0 | ug/g | 30-SEP-21 | 22 | 22 | | |
| Copper (Cu) | 6.3 | | 1.0 | ug/g | 30-SEP-21 | 140 | 180 | | |
| Lead (Pb) | 37.1 | | 1.0 | ug/g | 30-SEP-21 | 120 | 120 | | |
| Mercury (Hg) | 0.0145 | | 0.0050 | ug/g | 01-OCT-21 | 0.27 | 1.8 | | |
| Molybdenum (Mo) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 6.9 | 6.9 | | |
| Nickel (Ni) | 5.4 | | 1.0 | ug/g | 30-SEP-21 | 100 | 130 | | |
| Selenium (Se) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 2.4 | 2.4 | | |
| Silver (Ag) | <0.20 | | 0.20 | ug/g | 30-SEP-21 | 20 | 25 | | |
| Thallium (Tl) | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 1 | 1 | | |
| Uranium (U) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 23 | 23 | | |
| Vanadium (V) | 17.1 | | 1.0 | ug/g | 30-SEP-21 | 86 | 86 | | |
| Zinc (Zn) | 497 | | 5.0 | ug/g | 30-SEP-21 | *340 | *340 | | |
| Speciated Metals | | | | | | | | | |
| Chromium, Hexavalent | <0.20 | | 0.20 | ug/g | 01-OCT-21 | 8 | 10 | | |
| Volatile Organic Compounds | | | | | | | | | |
| Acetone | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 16 | 28 | | |
| Benzene | <0.0068 | | 0.0068 | ug/g | 30-SEP-21 | 0.21 | 0.17 | | |
| Bromodichloromethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 1.5 | 1.9 | | |
| Bromoform | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.27 | 0.26 | | |
| Bromomethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| Carbon tetrachloride | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.12 | | |
| Chlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 2.4 | 2.7 | | |
| Dibromochloromethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 2.3 | 2.9 | | |
| Chloroform | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.18 | | |
| 1,2-Dibromoethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| 1,2-Dichlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 1.2 | 1.7 | | |
| 1,3-Dichlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 4.8 | 6 | | |
| 1,4-Dichlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.083 | 0.097 | | |
| Dichlorodifluoromethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 16 | 25 | | |
| 1,1-Dichloroethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.47 | 0.6 | | |
| 1,2-Dichloroethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| 1,1-Dichloroethylene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



Environmental

MBN-21-693

ANALYTICAL GUIDELINE REPORT

L2644664 CONTD....

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| Sample Details | | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | |
|---|---------|--------------|-----------|-----------|-------|----------|------------------|----|
| Grouping | Analyte | | | | | | #1 | #2 |
| L2644664-5 | GAMMA-5 | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | |
| Matrix: | SOIL | | | | | | | |
| Volatile Organic Compounds | | | | | | | | |
| cis-1,2-Dichloroethylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 1.9 | 2.5 | | |
| trans-1,2-Dichloroethylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.084 | 0.75 | | |
| Methylene Chloride | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.1 | 0.96 | | |
| 1,2-Dichloropropane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.085 | | |
| cis-1,3-Dichloropropene | <0.030 | 0.030 | ug/g | 30-SEP-21 | | | | |
| trans-1,3-Dichloropropene | <0.030 | 0.030 | ug/g | 30-SEP-21 | | | | |
| 1,3-Dichloropropene (cis & trans) | <0.042 | 0.042 | ug/g | 30-SEP-21 | 0.05 | 0.081 | | |
| Ethylbenzene | <0.018 | 0.018 | ug/g | 30-SEP-21 | 1.1 | 1.6 | | |
| n-Hexane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 2.8 | 34 | | |
| Methyl Ethyl Ketone | <0.50 | 0.50 | ug/g | 30-SEP-21 | 16 | 44 | | |
| Methyl Isobutyl Ketone | <0.50 | 0.50 | ug/g | 30-SEP-21 | 1.7 | 4.3 | | |
| MTBE | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.75 | 1.4 | | |
| Styrene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.7 | 2.2 | | |
| 1,1,1,2-Tetrachloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.058 | 0.05 | | |
| 1,1,2,2-Tetrachloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| Tetrachloroethylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.28 | 2.3 | | |
| Toluene | <0.080 | 0.080 | ug/g | 30-SEP-21 | 2.3 | 6 | | |
| 1,1,1-Trichloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.38 | 3.4 | | |
| 1,1,2-Trichloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | |
| Trichloroethylene | <0.010 | 0.010 | ug/g | 30-SEP-21 | 0.061 | 0.52 | | |
| Trichlorofluoromethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 4 | 5.8 | | |
| Vinyl chloride | <0.020 | 0.020 | ug/g | 30-SEP-21 | 0.02 | 0.022 | | |
| o-Xylene | <0.020 | 0.020 | ug/g | 30-SEP-21 | | | | |
| m+p-Xylenes | <0.030 | 0.030 | ug/g | 30-SEP-21 | | | | |
| Xylenes (Total) | <0.050 | 0.050 | ug/g | 30-SEP-21 | 3.1 | 25 | | |
| Surrogate: 4-Bromofluorobenzene | 100.8 | 50-140 | % | 30-SEP-21 | | | | |
| Surrogate: 1,4-Difluorobenzene | 102.9 | 50-140 | % | 30-SEP-21 | | | | |
| Hydrocarbons | | | | | | | | |
| F1 (C6-C10) | <5.0 | 5.0 | ug/g | 30-SEP-21 | 55 | 65 | | |
| F1-BTEX | <5.0 | 5.0 | ug/g | 01-OCT-21 | 55 | 65 | | |
| F2 (C10-C16) | <10 | 10 | ug/g | 01-OCT-21 | 98 | 150 | | |
| F2-Naphth | <10 | 10 | ug/g | 01-OCT-21 | | | | |
| F3 (C16-C34) | <50 | 50 | ug/g | 01-OCT-21 | 300 | 1300 | | |
| F3-PAH | <50 | 50 | ug/g | 01-OCT-21 | | | | |
| F4 (C34-C50) | <50 | 50 | ug/g | 01-OCT-21 | 2800 | 5600 | | |
| Total Hydrocarbons (C6-C50) | <72 | 72 | ug/g | 01-OCT-21 | | | | |
| Chrom. to baseline at nC50 | YES | | No Unit | 01-OCT-21 | | | | |
| Surrogate: 2-Bromobenzotrifluoride | 85.2 | 60-140 | % | 01-OCT-21 | | | | |
| Surrogate: 3,4-Dichlorotoluene | 104.5 | 60-140 | % | 30-SEP-21 | | | | |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | |
| Acenaphthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 7.9 | 29 | | |
| Acenaphthylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.15 | 0.17 | | |
| Anthracene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.67 | 0.74 | | |
| Benzo(a)anthracene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.5 | 0.63 | | |
| Benzo(a)pyrene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.3 | 0.3 | | |
| Benzo(b&j)fluoranthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.78 | 0.78 | | |

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



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| Sample Details | | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | |
|---|---------|--------------|-----------|-----------|-------|----------|------------------|----|
| Grouping | Analyte | | | | | | #1 | #2 |
| L2644664-5 | GAMMA-5 | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | |
| Matrix: | SOIL | | | | | | | |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | |
| Benzo(g,h,i)perylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 6.6 | 7.8 | | |
| Benzo(k)fluoranthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.78 | 0.78 | | |
| Chrysene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 7 | 7.8 | | |
| Dibenz(a,h)anthracene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.1 | 0.1 | | |
| Fluoranthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.69 | 0.69 | | |
| Fluorene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 62 | 69 | | |
| Indeno(1,2,3-cd)pyrene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.38 | 0.48 | | |
| 1+2-Methylnaphthalenes | <0.042 | 0.042 | ug/g | 30-SEP-21 | 0.99 | 3.4 | | |
| 1-Methylnaphthalene | <0.030 | 0.030 | ug/g | 30-SEP-21 | 0.99 | 3.4 | | |
| 2-Methylnaphthalene | <0.030 | 0.030 | ug/g | 30-SEP-21 | 0.99 | 3.4 | | |
| Naphthalene | <0.013 | 0.013 | ug/g | 30-SEP-21 | 0.6 | 0.75 | | |
| Phenanthrene | <0.046 | 0.046 | ug/g | 30-SEP-21 | 6.2 | 7.8 | | |
| Pyrene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 78 | 78 | | |
| Surrogate: 2-Fluorobiphenyl | 89.6 | 50-140 | % | 30-SEP-21 | | | | |
| Surrogate: d14-Terphenyl | 88.9 | 50-140 | % | 30-SEP-21 | | | | |
| Polychlorinated Biphenyls | | | | | | | | |
| Aroclor 1242 | <0.010 | 0.010 | ug/g | 30-SEP-21 | | | | |
| Aroclor 1248 | <0.010 | 0.010 | ug/g | 30-SEP-21 | | | | |
| Aroclor 1254 | <0.010 | 0.010 | ug/g | 30-SEP-21 | | | | |
| Aroclor 1260 | <0.010 | 0.010 | ug/g | 30-SEP-21 | | | | |
| Total PCBs | <0.020 | 0.020 | ug/g | 30-SEP-21 | 0.35 | 0.35 | | |
| Surrogate: d14-Terphenyl | 98.6 | 60-140 | % | 30-SEP-21 | | | | |
| L2644664-6 | GAMMA-6 | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | |
| Matrix: | SOIL | | | | | | | |
| Physical Tests | | | | | | | | |
| Conductivity | 0.0909 | 0.0040 | mS/cm | 01-OCT-21 | 0.7 | 0.7 | | |
| % Moisture | 11.9 | 0.25 | % | 30-SEP-21 | | | | |
| pH | 7.57 | 0.10 | pH units | 04-OCT-21 | | | | |
| Cyanides | | | | | | | | |
| Cyanide, Weak Acid Diss | <0.050 | 0.050 | ug/g | 01-OCT-21 | 0.051 | 0.051 | | |
| Saturated Paste Extractables | | | | | | | | |
| SAR | <0.10 | 0.10 | SAR | 30-SEP-21 | 5 | 5 | | |
| Calcium (Ca) | 13.4 | 0.50 | mg/L | 30-SEP-21 | | | | |
| Magnesium (Mg) | 2.89 | 0.50 | mg/L | 30-SEP-21 | | | | |
| Sodium (Na) | 0.72 | 0.50 | mg/L | 30-SEP-21 | | | | |
| Metals | | | | | | | | |
| Antimony (Sb) | <1.0 | 1.0 | ug/g | 30-SEP-21 | 7.5 | 7.5 | | |
| Arsenic (As) | 2.8 | 1.0 | ug/g | 30-SEP-21 | 18 | 18 | | |
| Barium (Ba) | 31.6 | 1.0 | ug/g | 30-SEP-21 | 390 | 390 | | |
| Beryllium (Be) | <0.50 | 0.50 | ug/g | 30-SEP-21 | 4 | 5 | | |
| Boron (B) | 7.4 | 5.0 | ug/g | 30-SEP-21 | 120 | 120 | | |
| Boron (B), Hot Water Ext. | <0.10 | 0.10 | ug/g | 30-SEP-21 | 1.5 | 1.5 | | |
| Cadmium (Cd) | 0.55 | 0.50 | ug/g | 30-SEP-21 | 1.2 | 1.2 | | |
| Chromium (Cr) | 9.5 | 1.0 | ug/g | 30-SEP-21 | 160 | 160 | | |

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Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



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| Sample Details | | Analyte | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | | |
|-----------------------------------|---------|--------------|--------|-----------|-----------|-------|----------|------------------|----|--|
| Grouping | | | | | | | | #1 | #2 | |
| L2644664-6 | GAMMA-6 | | | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | | | |
| Matrix: | SOIL | | | | | | | | | |
| Metals | | | | | | | | | | |
| Cobalt (Co) | 3.4 | | 1.0 | ug/g | 30-SEP-21 | 22 | 22 | | | |
| Copper (Cu) | 10.3 | | 1.0 | ug/g | 30-SEP-21 | 140 | 180 | | | |
| Lead (Pb) | 27.6 | | 1.0 | ug/g | 30-SEP-21 | 120 | 120 | | | |
| Mercury (Hg) | 0.0121 | 0.0050 | | ug/g | 01-OCT-21 | 0.27 | 1.8 | | | |
| Molybdenum (Mo) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 6.9 | 6.9 | | | |
| Nickel (Ni) | 7.2 | | 1.0 | ug/g | 30-SEP-21 | 100 | 130 | | | |
| Selenium (Se) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 2.4 | 2.4 | | | |
| Silver (Ag) | <0.20 | | 0.20 | ug/g | 30-SEP-21 | 20 | 25 | | | |
| Thallium (Tl) | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 1 | 1 | | | |
| Uranium (U) | <1.0 | | 1.0 | ug/g | 30-SEP-21 | 23 | 23 | | | |
| Vanadium (V) | 18.4 | | 1.0 | ug/g | 30-SEP-21 | 86 | 86 | | | |
| Zinc (Zn) | 190 | | 5.0 | ug/g | 30-SEP-21 | 340 | 340 | | | |
| Speciated Metals | | | | | | | | | | |
| Chromium, Hexavalent | <0.20 | | 0.20 | ug/g | 01-OCT-21 | 8 | 10 | | | |
| Volatile Organic Compounds | | | | | | | | | | |
| Acetone | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 16 | 28 | | | |
| Benzene | <0.0068 | 0.0068 | | ug/g | 30-SEP-21 | 0.21 | 0.17 | | | |
| Bromodichloromethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 1.5 | 1.9 | | | |
| Bromoform | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.27 | 0.26 | | | |
| Bromomethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | | |
| Carbon tetrachloride | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.12 | | | |
| Chlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 2.4 | 2.7 | | | |
| Dibromochloromethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 2.3 | 2.9 | | | |
| Chloroform | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.18 | | | |
| 1,2-Dibromoethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | | |
| 1,2-Dichlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 1.2 | 1.7 | | | |
| 1,3-Dichlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 4.8 | 6 | | | |
| 1,4-Dichlorobenzene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.083 | 0.097 | | | |
| Dichlorodifluoromethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 16 | 25 | | | |
| 1,1-Dichloroethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.47 | 0.6 | | | |
| 1,2-Dichloroethane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | | |
| 1,1-Dichloroethylene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | | |
| cis-1,2-Dichloroethylene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 1.9 | 2.5 | | | |
| trans-1,2-Dichloroethylene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.084 | 0.75 | | | |
| Methylene Chloride | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.1 | 0.96 | | | |
| 1,2-Dichloropropane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.085 | | | |
| cis-1,3-Dichloropropene | <0.030 | | 0.030 | ug/g | 30-SEP-21 | | | | | |
| trans-1,3-Dichloropropene | <0.030 | | 0.030 | ug/g | 30-SEP-21 | | | | | |
| 1,3-Dichloropropene (cis & trans) | <0.042 | 0.042 | | ug/g | 30-SEP-21 | 0.05 | 0.081 | | | |
| Ethylbenzene | <0.018 | 0.018 | | ug/g | 30-SEP-21 | 1.1 | 1.6 | | | |
| n-Hexane | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 2.8 | 34 | | | |
| Methyl Ethyl Ketone | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 16 | 44 | | | |
| Methyl Isobutyl Ketone | <0.50 | | 0.50 | ug/g | 30-SEP-21 | 1.7 | 4.3 | | | |
| MTBE | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.75 | 1.4 | | | |
| Styrene | <0.050 | | 0.050 | ug/g | 30-SEP-21 | 0.7 | 2.2 | | | |

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Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



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ANALYTICAL GUIDELINE REPORT

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| Sample Details | | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | | |
|---|---------|--------------|-----------|-----------|-------|----------|------------------|----|--|
| Grouping | Analyte | | | | | | #1 | #2 | |
| L2644664-6 | GAMMA-6 | | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | | |
| Matrix: | SOIL | | | | | | | | |
| Volatile Organic Compounds | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.058 | 0.05 | | | |
| 1,1,2,2-Tetrachloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | | |
| Tetrachloroethylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.28 | 2.3 | | | |
| Toluene | <0.080 | 0.080 | ug/g | 30-SEP-21 | 2.3 | 6 | | | |
| 1,1,1-Trichloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.38 | 3.4 | | | |
| 1,1,2-Trichloroethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.05 | 0.05 | | | |
| Trichloroethylene | <0.010 | 0.010 | ug/g | 30-SEP-21 | 0.061 | 0.52 | | | |
| Trichlorofluoromethane | <0.050 | 0.050 | ug/g | 30-SEP-21 | 4 | 5.8 | | | |
| Vinyl chloride | <0.020 | 0.020 | ug/g | 30-SEP-21 | 0.02 | 0.022 | | | |
| o-Xylene | <0.020 | 0.020 | ug/g | 30-SEP-21 | | | | | |
| m+p-Xylenes | <0.030 | 0.030 | ug/g | 30-SEP-21 | | | | | |
| Xylenes (Total) | <0.050 | 0.050 | ug/g | 30-SEP-21 | 3.1 | 25 | | | |
| Surrogate: 4-Bromofluorobenzene | 97.2 | 50-140 | % | 30-SEP-21 | | | | | |
| Surrogate: 1,4-Difluorobenzene | 100.9 | 50-140 | % | 30-SEP-21 | | | | | |
| Hydrocarbons | | | | | | | | | |
| F1 (C6-C10) | <5.0 | 5.0 | ug/g | 30-SEP-21 | 55 | 65 | | | |
| F1-BTEX | <5.0 | 5.0 | ug/g | 01-OCT-21 | 55 | 65 | | | |
| F2 (C10-C16) | <10 | 10 | ug/g | 01-OCT-21 | 98 | 150 | | | |
| F2-Naphth | <10 | 10 | ug/g | 01-OCT-21 | | | | | |
| F3 (C16-C34) | <50 | 50 | ug/g | 01-OCT-21 | 300 | 1300 | | | |
| F3-PAH | <50 | 50 | ug/g | 01-OCT-21 | | | | | |
| F4 (C34-C50) | <50 | 50 | ug/g | 01-OCT-21 | 2800 | 5600 | | | |
| Total Hydrocarbons (C6-C50) | <72 | 72 | ug/g | 01-OCT-21 | | | | | |
| Chrom. to baseline at nC50 | YES | | No Unit | 01-OCT-21 | | | | | |
| Surrogate: 2-Bromobenzotrifluoride | 73.2 | 60-140 | % | 01-OCT-21 | | | | | |
| Surrogate: 3,4-Dichlorotoluene | 102.9 | 60-140 | % | 30-SEP-21 | | | | | |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | |
| Acenaphthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 7.9 | 29 | | | |
| Acenaphthylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.15 | 0.17 | | | |
| Anthracene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.67 | 0.74 | | | |
| Benzo(a)anthracene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.5 | 0.63 | | | |
| Benzo(a)pyrene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.3 | 0.3 | | | |
| Benzo(b&j)fluoranthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.78 | 0.78 | | | |
| Benzo(g,h,i)perylene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 6.6 | 7.8 | | | |
| Benzo(k)fluoranthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.78 | 0.78 | | | |
| Chrysene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 7 | 7.8 | | | |
| Dibenz(a,h)anthracene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.1 | 0.1 | | | |
| Fluoranthene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.69 | 0.69 | | | |
| Fluorene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 62 | 69 | | | |
| Indeno(1,2,3-cd)pyrene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 0.38 | 0.48 | | | |
| 1+2-Methylnaphthalenes | <0.042 | 0.042 | ug/g | 30-SEP-21 | 0.99 | 3.4 | | | |
| 1-Methylnaphthalene | <0.030 | 0.030 | ug/g | 30-SEP-21 | 0.99 | 3.4 | | | |
| 2-Methylnaphthalene | <0.030 | 0.030 | ug/g | 30-SEP-21 | 0.99 | 3.4 | | | |
| Naphthalene | <0.013 | 0.013 | ug/g | 30-SEP-21 | 0.6 | 0.75 | | | |
| Phenanthrene | <0.046 | 0.046 | ug/g | 30-SEP-21 | 6.2 | 7.8 | | | |
| Pyrene | <0.050 | 0.050 | ug/g | 30-SEP-21 | 78 | 78 | | | |

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#2: T2-Soil-Res/Park/Inst. Property Use (Fine)



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| Sample Details | | Analyte | Result | Qualifier | D.L. | Units | Analyzed | Guideline Limits | |
|---|---------|--------------|--------|-----------|------|-----------|----------|------------------|----|
| Grouping | | | | | | | | #1 | #2 |
| L2644664-6 | GAMMA-6 | | | | | | | | |
| Sampled By: | CLIENT | on 28-SEP-21 | | | | | | | |
| Matrix: | SOIL | | | | | | | | |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | |
| Surrogate: 2-Fluorobiphenyl | | 91.2 | | 50-140 | % | 30-SEP-21 | | | |
| Surrogate: d14-Terphenyl | | 91.7 | | 50-140 | % | 30-SEP-21 | | | |
| Polychlorinated Biphenyls | | | | | | | | | |
| Aroclor 1242 | | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | |
| Aroclor 1248 | | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | |
| Aroclor 1254 | | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | |
| Aroclor 1260 | | <0.010 | | 0.010 | ug/g | 30-SEP-21 | | | |
| Total PCBs | | <0.020 | | 0.020 | ug/g | 30-SEP-21 | 0.35 | 0.35 | |
| Surrogate: d14-Terphenyl | | 101.2 | | 60-140 | % | 30-SEP-21 | | | |
| | | | | | | | | | |

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

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Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - T2-RPI-Soil (Coarse/Fine)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#2: T2-Soil-Res/Park/Inst. Property Use (Fine)

Reference Information

Methods Listed (if applicable):

| ALS Test Code | Matrix | Test Description | Method Reference*** |
|---------------|--------|------------------------------------|---------------------|
| B-HWS-R511-WT | Soil | Boron-HWE-O.Reg 153/04 (July 2011) | HW EXTR, EPA 6010B |

A dried solid sample is extracted with calcium chloride, the sample undergoes a heating process. After cooling the sample is filtered and analyzed by ICP/OES.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

| | | | |
|----------------|------|--|----------------------------|
| CN-WAD-R511-WT | Soil | Cyanide (WAD)-O.Reg 153/04 (July 2011) | MOE 3015/APHA 4500CN I-WAD |
|----------------|------|--|----------------------------|

The sample is extracted with a strong base for 16 hours, and then filtered. The filtrate is then distilled where the cyanide is converted to cyanogen chloride by reacting with chloramine-T, the cyanogen chloride then reacts with a combination of barbituric acid and isonicotinic acid to form a highly colored complex.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

| | | | |
|--------------|------|-----------------------------|------------------|
| CR-CR6-IC-WT | Soil | Hexavalent Chromium in Soil | SW846 3060A/7199 |
|--------------|------|-----------------------------|------------------|

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Method 7199, published by the United States Environmental Protection Agency (EPA). The procedure involves analysis for chromium (VI) by ion chromatography using diphenylcarbazide in a sulphuric acid solution.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

| | | | |
|-------|------|-------------------|------------|
| EC-WT | Soil | Conductivity (EC) | MOEE E3138 |
|-------|------|-------------------|------------|

A representative subsample is tumbled with de-ionized (DI) water. The ratio of water to soil is 2:1 v/w. After tumbling the sample is then analyzed by a conductivity meter.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

| | | | |
|-------------------|------|---|-------------------------------------|
| F1-F4-511-CALC-WT | Soil | F1-F4 Hydrocarbon Calculated Parameters | CCME CWS-PHC, Pub #1310, Dec 2001-S |
|-------------------|------|---|-------------------------------------|

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.

In samples where BTEX and F1 were analyzed , F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:

1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:

1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

| | | | |
|--------------|------|-----------------------------|----------------------|
| F1-HS-511-WT | Soil | F1-O.Reg 153/04 (July 2011) | E3398/CCME TIER 1-HS |
|--------------|------|-----------------------------|----------------------|

Fraction F1 is determined by extracting a soil or sediment sample as received with methanol, then analyzing by headspace-GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

Reference Information

F2-F4-511-WT Soil F2-F4-O.Reg 153/04 (July 2011) CCME Tier 1

Petroleum Hydrocarbons (F2-F4 fractions) are extracted from soil with 1:1 hexane:acetone using a rotary extractor. Extracts are treated with silica gel to remove polar organic interferences. F2, F3, & F4 are analyzed by GC-FID. F4G-sg is analyzed gravimetrically.

Notes:

1. F2 (C10-C16): Sum of all hydrocarbons that elute between nC10 and nC16.
2. F3 (C16-C34): Sum of all hydrocarbons that elute between nC16 and nC34.
3. F4 (C34-C50): Sum of all hydrocarbons that elute between nC34 and nC50.
4. F4G: Gravimetric Heavy Hydrocarbons
5. F4G-sg: Gravimetric Heavy Hydrocarbons (F4G) after silica gel treatment.
6. Where both F4 (C34-C50) and F4G-sg are reported for a sample, the larger of the two values is used for comparison against the relevant CCME guideline for F4.
7. F4G-sg cannot be added to the C6 to C50 hydrocarbon results to obtain an estimate of total extractable hydrocarbons.
8. This method is validated for use.
9. Data from analysis of validation and quality control samples is available upon request.
10. Reported results are expressed as milligrams per dry kilogram, unless otherwise indicated.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

HG-200.2-CVAA-WT Soil Mercury in Soil by CVAAS EPA 200.2/1631E (mod)

Soil samples are digested with nitric and hydrochloric acids, followed by analysis by CVAAS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

MET-200.2-CCMS-WT Soil Metals in Soil by CRC ICPMS EPA 200.2/6020B (mod)

Soil/sediment is dried, disaggregated, and sieved (2 mm). For tests intended to support Ontario regulations, the <2mm fraction is ground to pass through a 0.355 mm sieve. Strong Acid Leachable Metals in the <2mm fraction are solubilized by heated digestion with nitric and hydrochloric acids. Instrumental analysis is by Collision / Reaction Cell ICPMS.

Limitations: This method is intended to liberate environmentally available metals. Silicate minerals are not solubilized. Some metals may be only partially recovered (matrix dependent), including Al, Ba, Be, Cr, S, Sr, Ti, Tl, V, W, and Zr. Elemental Sulfur may be poorly recovered by this method. Volatile forms of sulfur (e.g. sulfide, H₂S) may be excluded if lost during sampling, storage, or digestion.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

METHYLNAPS-CALC-WT Soil ABN-Calculated Parameters SW846 8270

MOISTURE-WT Soil % Moisture CCME PHC in Soil - Tier 1 (mod)

PAH-511-WT Soil PAH-O.Reg 153/04 (July 2011) SW846 3510/8270

A representative sub-sample of soil is fortified with deuterium-labelled surrogates and a mechanical shaking technique is used to extract the sample with a mixture of methanol and toluene. The extracts are concentrated and analyzed by GC/MS. Results for benzo(b) fluoranthene may include contributions from benzo(j)fluoranthene, if also present in the sample.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

PCB-511-WT Soil PCB-O.Reg 153/04 (July 2011) SW846 3510/8082

An aliquot of a solid sample is extracted with a solvent, extract is cleaned up and analyzed on the GC/MS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

PH-WT Soil pH MOEE E3137A

A minimum 10g portion of the sample is extracted with 20mL of 0.01M calcium chloride solution by shaking for at least 30 minutes. The aqueous layer is separated from the soil and then analyzed using a pH meter and electrode.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

Reference Information

SAR-R511-WT Soil SAR-O.Reg 153/04 (July 2011) SW846 6010C

A dried, disaggregated solid sample is extracted with deionized water, the aqueous extract is separated from the solid, acidified and then analyzed using a ICP/OES. The concentrations of Na, Ca and Mg are reported as per CALA requirements for calculated parameters. These individual parameters are not for comparison to any guideline.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

VOC-1,3-DCP-CALC-WT Soil Regulation 153 VOCs SW8260B/SW8270C

VOC-511-HS-WT Soil VOC-O.Reg 153/04 (July 2011) SW846 8260 (511)

Soil and sediment samples are extracted in methanol and analyzed by headspace-GC/MS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

XYLENES-SUM-CALC- Soil Sum of Xylene Isomer CALCULATION
WT Concentrations

Total xylenes represents the sum of o-xylene and m&p-xylene.

*** ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody numbers:

20-898275

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

| Laboratory Definition Code | Laboratory Location | Laboratory Definition Code | Laboratory Location |
|----------------------------|--|----------------------------|---------------------|
| WT | ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA | | |

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guideline limits are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Quality Control Report

Workorder: L2644664

Report Date: 04-OCT-21

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|------------------------|---------------------------|-------------------|--------|-----------|-------|-----|--------|-----------|
| B-HWS-R511-WT | Soil | | | | | | | |
| Batch R5605317 | | | | | | | | |
| WG3628124-4 DUP | Boron (B), Hot Water Ext. | L2644661-5 | <0.10 | <0.10 | ug/g | N/A | 30 | 30-SEP-21 |
| WG3628124-2 IRM | Boron (B), Hot Water Ext. | WT SAR4 | 93.8 | % | | | 70-130 | 30-SEP-21 |
| WG3628124-3 LCS | Boron (B), Hot Water Ext. | | 102.0 | % | | | 70-130 | 30-SEP-21 |
| WG3628124-1 MB | Boron (B), Hot Water Ext. | | <0.10 | ug/g | | | 0.1 | 30-SEP-21 |
| CN-WAD-R511-WT | Soil | | | | | | | |
| Batch R5607314 | | | | | | | | |
| WG3628145-3 DUP | Cyanide, Weak Acid Diss | L2644574-2 | <0.050 | <0.050 | ug/g | N/A | 35 | 01-OCT-21 |
| WG3628145-2 LCS | Cyanide, Weak Acid Diss | | 96.8 | % | | | 80-120 | 01-OCT-21 |
| WG3628145-1 MB | Cyanide, Weak Acid Diss | | <0.050 | ug/g | | | 0.05 | 01-OCT-21 |
| WG3628145-4 MS | Cyanide, Weak Acid Diss | L2644574-2 | 103.6 | % | | | 70-130 | 01-OCT-21 |
| CR-CR6-IC-WT | Soil | | | | | | | |
| Batch R5606039 | | | | | | | | |
| WG3627799-4 CRM | Chromium, Hexavalent | WT-SQC012 | 82.9 | % | | | 70-130 | 01-OCT-21 |
| WG3627897-9 CRM | Chromium, Hexavalent | WT-SQC012 | 76.3 | % | | | 70-130 | 01-OCT-21 |
| WG3627799-3 DUP | Chromium, Hexavalent | L2644661-5 | <0.20 | <0.20 | ug/g | N/A | 35 | 01-OCT-21 |
| WG3627897-8 DUP | Chromium, Hexavalent | L2645018-1 | <0.20 | <0.20 | ug/g | N/A | 35 | 01-OCT-21 |
| WG3627799-2 LCS | Chromium, Hexavalent | | 93.4 | % | | | 80-120 | 01-OCT-21 |
| WG3627897-7 LCS | Chromium, Hexavalent | | 83.8 | % | | | 80-120 | 01-OCT-21 |
| WG3627799-1 MB | Chromium, Hexavalent | | <0.20 | ug/g | | | 0.2 | 01-OCT-21 |
| WG3627897-6 MB | Chromium, Hexavalent | | <0.20 | ug/g | | | 0.2 | 01-OCT-21 |
| EC-WT | Soil | | | | | | | |

Quality Control Report

Workorder: L2644664

Report Date: 04-OCT-21

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|--------------------------------|-----------------|-------------|--------|-----------|-------|-----|--------|-----------|
| EC-WT | Soil | | | | | | | |
| Batch | R5606261 | | | | | | | |
| WG3628129-4 | DUP | WG3628129-3 | | | | | | |
| Conductivity | | 0.160 | 0.156 | | mS/cm | 2.7 | 20 | 01-OCT-21 |
| WG3628129-2 | IRM | WT SAR4 | | | | | | |
| Conductivity | | 107.5 | | | % | | 70-130 | 01-OCT-21 |
| WG3629595-1 | LCS | | | | | | | |
| Conductivity | | 93.8 | | | % | | 90-110 | 01-OCT-21 |
| WG3628129-1 | MB | | | | | | | |
| Conductivity | | <0.0040 | | | mS/cm | | 0.004 | 01-OCT-21 |
| F1-HS-511-WT | Soil | | | | | | | |
| Batch | R5605128 | | | | | | | |
| WG3627144-4 | DUP | WG3627144-3 | | | | | | |
| F1 (C6-C10) | | <5.0 | <5.0 | RPD-NA | ug/g | N/A | 30 | 30-SEP-21 |
| WG3627144-2 | LCS | | | | | | | |
| F1 (C6-C10) | | 97.9 | | | % | | 80-120 | 30-SEP-21 |
| WG3627144-1 | MB | | | | | | | |
| F1 (C6-C10) | | <5.0 | | | ug/g | | 5 | 30-SEP-21 |
| Surrogate: 3,4-Dichlorotoluene | | 83.6 | | | % | | 60-140 | 30-SEP-21 |
| WG3627144-5 | MS | WG3627144-3 | | | | | | |
| F1 (C6-C10) | | 101.1 | | | % | | 60-140 | 30-SEP-21 |
| Batch | R5605393 | | | | | | | |
| WG3627728-4 | DUP | WG3627728-3 | | | | | | |
| F1 (C6-C10) | | <5.0 | <5.0 | RPD-NA | ug/g | N/A | 30 | 30-SEP-21 |
| WG3627728-2 | LCS | | | | | | | |
| F1 (C6-C10) | | 95.1 | | | % | | 80-120 | 30-SEP-21 |
| WG3627728-1 | MB | | | | | | | |
| F1 (C6-C10) | | <5.0 | | | ug/g | | 5 | 30-SEP-21 |
| Surrogate: 3,4-Dichlorotoluene | | 95.4 | | | % | | 60-140 | 30-SEP-21 |
| WG3627728-5 | MS | WG3627728-3 | | | | | | |
| F1 (C6-C10) | | 109.4 | | | % | | 60-140 | 30-SEP-21 |
| F2-F4-511-WT | Soil | | | | | | | |
| Batch | R5606286 | | | | | | | |
| WG3628134-3 | DUP | WG3628134-5 | | | | | | |
| F2 (C10-C16) | | 47 | 44 | | ug/g | 6.1 | 30 | 01-OCT-21 |
| F3 (C16-C34) | | 817 | 937 | | ug/g | 14 | 30 | 01-OCT-21 |
| F4 (C34-C50) | | 270 | 331 | | ug/g | 21 | 30 | 01-OCT-21 |
| WG3628134-2 | LCS | | | | | | | |
| F2 (C10-C16) | | 90.5 | | | % | | 80-120 | 01-OCT-21 |

Quality Control Report

Workorder: L2644664

Report Date: 04-OCT-21

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|------------------------------------|----------|-------------|---------|-----------|-------|-----|----------|-----------|
| F2-F4-511-WT | Soil | | | | | | | |
| Batch | R5606286 | | | | | | | |
| WG3628134-2 | LCS | | | | | | | |
| F3 (C16-C34) | | | 89.7 | | % | | 80-120 | 01-OCT-21 |
| F4 (C34-C50) | | | 85.1 | | % | | 80-120 | 01-OCT-21 |
| WG3628134-1 | MB | | | | | | | |
| F2 (C10-C16) | | | <10 | | ug/g | | 10 | 01-OCT-21 |
| F3 (C16-C34) | | | <50 | | ug/g | | 50 | 01-OCT-21 |
| F4 (C34-C50) | | | <50 | | ug/g | | 50 | 01-OCT-21 |
| Surrogate: 2-Bromobenzotrifluoride | | | 90.3 | | % | | 60-140 | 01-OCT-21 |
| WG3628134-4 | MS | WG3628134-5 | | | | | | |
| F2 (C10-C16) | | | 88.1 | | % | | 60-140 | 01-OCT-21 |
| F3 (C16-C34) | | | 95.1 | | % | | 60-140 | 01-OCT-21 |
| F4 (C34-C50) | | | 98.2 | | % | | 60-140 | 01-OCT-21 |
| HG-200.2-CVAA-WT | Soil | | | | | | | |
| Batch | R5606088 | | | | | | | |
| WG3628914-2 | CRM | WT-SS-2 | | | | | | |
| Mercury (Hg) | | | 102.7 | | % | | 70-130 | 01-OCT-21 |
| WG3628914-4 | DUP | L2644574-5 | | | | | | |
| Mercury (Hg) | | | 0.0172 | 0.0144 | ug/g | 17 | 40 | 01-OCT-21 |
| WG3628914-3 | LCS | | | | | | | |
| Mercury (Hg) | | | 108.0 | | % | | 80-120 | 01-OCT-21 |
| WG3628914-1 | MB | | | | | | | |
| Mercury (Hg) | | | <0.0050 | | mg/kg | | 0.005 | 01-OCT-21 |
| MET-200.2-CCMS-WT | Soil | | | | | | | |
| Batch | R5605960 | | | | | | | |
| WG3628115-2 | CRM | WT-SS-2 | | | | | | |
| Antimony (Sb) | | | 97.5 | | % | | 70-130 | 30-SEP-21 |
| Arsenic (As) | | | 107.1 | | % | | 70-130 | 30-SEP-21 |
| Barium (Ba) | | | 108.8 | | % | | 70-130 | 30-SEP-21 |
| Beryllium (Be) | | | 90.6 | | % | | 70-130 | 30-SEP-21 |
| Boron (B) | | | 8.6 | | mg/kg | | 3.5-13.5 | 30-SEP-21 |
| Cadmium (Cd) | | | 104.2 | | % | | 70-130 | 30-SEP-21 |
| Chromium (Cr) | | | 113.8 | | % | | 70-130 | 30-SEP-21 |
| Cobalt (Co) | | | 104.6 | | % | | 70-130 | 30-SEP-21 |
| Copper (Cu) | | | 112.4 | | % | | 70-130 | 30-SEP-21 |
| Lead (Pb) | | | 103.4 | | % | | 70-130 | 30-SEP-21 |
| Molybdenum (Mo) | | | 103.2 | | % | | 70-130 | 30-SEP-21 |

Quality Control Report

Workorder: L2644664

Report Date: 04-OCT-21

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|--------------------------|-----------------|--------------------|--------|-----------|-------|-----|-------------|-----------|
| MET-200.2-CCMS-WT | Soil | | | | | | | |
| Batch | R5605960 | | | | | | | |
| WG3628115-2 | CRM | WT-SS-2 | | | | | | |
| Nickel (Ni) | | | 104.6 | | % | | 70-130 | 30-SEP-21 |
| Selenium (Se) | | | 0.14 | | mg/kg | | 0-0.34 | 30-SEP-21 |
| Silver (Ag) | | | 83.7 | | % | | 70-130 | 30-SEP-21 |
| Thallium (Tl) | | | 0.075 | | mg/kg | | 0.029-0.129 | 30-SEP-21 |
| Uranium (U) | | | 95.4 | | % | | 70-130 | 30-SEP-21 |
| Vanadium (V) | | | 107.2 | | % | | 70-130 | 30-SEP-21 |
| Zinc (Zn) | | | 105.0 | | % | | 70-130 | 30-SEP-21 |
| WG3628115-6 | DUP | WG3628115-5 | | | | | | |
| Antimony (Sb) | | | 0.13 | 0.12 | ug/g | 7.7 | 30 | 30-SEP-21 |
| Arsenic (As) | | | 4.77 | 4.97 | ug/g | 4.2 | 30 | 30-SEP-21 |
| Barium (Ba) | | | 58.4 | 67.0 | ug/g | 14 | 40 | 30-SEP-21 |
| Beryllium (Be) | | | 0.54 | 0.59 | ug/g | 8.6 | 30 | 30-SEP-21 |
| Boron (B) | | | 7.2 | 8.3 | ug/g | 15 | 30 | 30-SEP-21 |
| Cadmium (Cd) | | | 0.095 | 0.099 | ug/g | 4.1 | 30 | 30-SEP-21 |
| Chromium (Cr) | | | 17.2 | 18.4 | ug/g | 6.9 | 30 | 30-SEP-21 |
| Cobalt (Co) | | | 11.3 | 11.5 | ug/g | 2.3 | 30 | 30-SEP-21 |
| Copper (Cu) | | | 24.7 | 25.2 | ug/g | 1.8 | 30 | 30-SEP-21 |
| Lead (Pb) | | | 9.35 | 10.6 | ug/g | 12 | 40 | 30-SEP-21 |
| Molybdenum (Mo) | | | 0.35 | 0.35 | ug/g | 0.3 | 40 | 30-SEP-21 |
| Nickel (Ni) | | | 22.2 | 23.0 | ug/g | 3.3 | 30 | 30-SEP-21 |
| Selenium (Se) | | <0.20 | <0.20 | RPD-NA | ug/g | N/A | 30 | 30-SEP-21 |
| Silver (Ag) | | <0.10 | <0.10 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Thallium (Tl) | | | 0.129 | 0.133 | ug/g | 3.2 | 30 | 30-SEP-21 |
| Uranium (U) | | | 0.501 | 0.520 | ug/g | 3.8 | 30 | 30-SEP-21 |
| Vanadium (V) | | | 25.6 | 27.5 | ug/g | 7.0 | 30 | 30-SEP-21 |
| Zinc (Zn) | | | 52.9 | 54.0 | ug/g | 2.1 | 30 | 30-SEP-21 |
| WG3628115-4 | LCS | | | | | | | |
| Antimony (Sb) | | | 97.6 | | % | | 80-120 | 30-SEP-21 |
| Arsenic (As) | | | 96.1 | | % | | 80-120 | 30-SEP-21 |
| Barium (Ba) | | | 96.2 | | % | | 80-120 | 30-SEP-21 |
| Beryllium (Be) | | | 89.9 | | % | | 80-120 | 30-SEP-21 |
| Boron (B) | | | 87.5 | | % | | 80-120 | 30-SEP-21 |
| Cadmium (Cd) | | | 91.5 | | % | | 80-120 | 30-SEP-21 |

Quality Control Report

Workorder: L2644664

Report Date: 04-OCT-21

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|--------------------------|-----------------|-----------|--------|-----------|-------|-----|--------|-----------|
| MET-200.2-CCMS-WT | Soil | | | | | | | |
| Batch | R5605960 | | | | | | | |
| WG3628115-4 | LCS | | | | | | | |
| Chromium (Cr) | | | 93.6 | | % | | 80-120 | 30-SEP-21 |
| Cobalt (Co) | | | 92.0 | | % | | 80-120 | 30-SEP-21 |
| Copper (Cu) | | | 92.0 | | % | | 80-120 | 30-SEP-21 |
| Lead (Pb) | | | 90.0 | | % | | 80-120 | 30-SEP-21 |
| Molybdenum (Mo) | | | 96.1 | | % | | 80-120 | 30-SEP-21 |
| Nickel (Ni) | | | 91.6 | | % | | 80-120 | 30-SEP-21 |
| Selenium (Se) | | | 93.9 | | % | | 80-120 | 30-SEP-21 |
| Silver (Ag) | | | 82.6 | | % | | 80-120 | 30-SEP-21 |
| Thallium (Tl) | | | 93.6 | | % | | 80-120 | 30-SEP-21 |
| Uranium (U) | | | 85.5 | | % | | 80-120 | 30-SEP-21 |
| Vanadium (V) | | | 96.9 | | % | | 80-120 | 30-SEP-21 |
| Zinc (Zn) | | | 91.4 | | % | | 80-120 | 30-SEP-21 |
| WG3628115-1 | MB | | | | | | | |
| Antimony (Sb) | | | <0.10 | | mg/kg | | 0.1 | 30-SEP-21 |
| Arsenic (As) | | | <0.10 | | mg/kg | | 0.1 | 30-SEP-21 |
| Barium (Ba) | | | <0.50 | | mg/kg | | 0.5 | 30-SEP-21 |
| Beryllium (Be) | | | <0.10 | | mg/kg | | 0.1 | 30-SEP-21 |
| Boron (B) | | | <5.0 | | mg/kg | | 5 | 30-SEP-21 |
| Cadmium (Cd) | | | <0.020 | | mg/kg | | 0.02 | 30-SEP-21 |
| Chromium (Cr) | | | <0.50 | | mg/kg | | 0.5 | 30-SEP-21 |
| Cobalt (Co) | | | <0.10 | | mg/kg | | 0.1 | 30-SEP-21 |
| Copper (Cu) | | | <0.50 | | mg/kg | | 0.5 | 30-SEP-21 |
| Lead (Pb) | | | <0.50 | | mg/kg | | 0.5 | 30-SEP-21 |
| Molybdenum (Mo) | | | <0.10 | | mg/kg | | 0.1 | 30-SEP-21 |
| Nickel (Ni) | | | <0.50 | | mg/kg | | 0.5 | 30-SEP-21 |
| Selenium (Se) | | | <0.20 | | mg/kg | | 0.2 | 30-SEP-21 |
| Silver (Ag) | | | <0.10 | | mg/kg | | 0.1 | 30-SEP-21 |
| Thallium (Tl) | | | <0.050 | | mg/kg | | 0.05 | 30-SEP-21 |
| Uranium (U) | | | <0.050 | | mg/kg | | 0.05 | 30-SEP-21 |
| Vanadium (V) | | | <0.20 | | mg/kg | | 0.2 | 30-SEP-21 |
| Zinc (Zn) | | | <2.0 | | mg/kg | | 2 | 30-SEP-21 |
| MOISTURE-WT | Soil | | | | | | | |

Quality Control Report

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|------------------------|----------|-------------|--------|-----------|-------|-----|--------|-----------|
| MOISTURE-WT | | Soil | | | | | | |
| Batch | R5604943 | | | | | | | |
| WG3627225-3 | DUP | L2644661-5 | | | | | | |
| % Moisture | | 12.5 | 12.5 | | % | 0.1 | 20 | 30-SEP-21 |
| WG3627225-2 | LCS | | | | | | | |
| % Moisture | | | 99.5 | | % | | 90-110 | 30-SEP-21 |
| WG3627225-1 | MB | | | | | | | |
| % Moisture | | | <0.25 | | % | | 0.25 | 30-SEP-21 |
| PAH-511-WT | | Soil | | | | | | |
| Batch | R5605588 | | | | | | | |
| WG3627344-3 | DUP | WG3627344-5 | | | | | | |
| 1-Methylnaphthalene | | <0.030 | <0.030 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| 2-Methylnaphthalene | | <0.030 | <0.030 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Acenaphthene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Acenaphthylene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Anthracene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Benzo(a)anthracene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Benzo(a)pyrene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Benzo(b&j)fluoranthene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Benzo(g,h,i)perylene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Benzo(k)fluoranthene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Chrysene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Dibenz(a,h)anthracene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Fluoranthene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Fluorene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Indeno(1,2,3-cd)pyrene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Naphthalene | | <0.013 | <0.013 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Phenanthrene | | <0.046 | <0.046 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Pyrene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| WG3627344-2 | LCS | | | | | | | |
| 1-Methylnaphthalene | | 94.9 | | | % | | 50-140 | 30-SEP-21 |
| 2-Methylnaphthalene | | 91.1 | | | % | | 50-140 | 30-SEP-21 |
| Acenaphthene | | 89.4 | | | % | | 50-140 | 30-SEP-21 |
| Acenaphthylene | | 86.3 | | | % | | 50-140 | 30-SEP-21 |
| Anthracene | | 77.4 | | | % | | 50-140 | 30-SEP-21 |
| Benzo(a)anthracene | | 88.6 | | | % | | 50-140 | 30-SEP-21 |
| Benzo(a)pyrene | | 77.0 | | | % | | 50-140 | 30-SEP-21 |

Quality Control Report

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|-----------------------------|----------|-------------|--------|-----------|-------|-----|--------|-----------|
| PAH-511-WT | Soil | | | | | | | |
| Batch | R5605588 | | | | | | | |
| WG3627344-2 | LCS | | | | | | | |
| Benzo(b&j)fluoranthene | | | 90.1 | | % | | 50-140 | 30-SEP-21 |
| Benzo(g,h,i)perylene | | | 71.6 | | % | | 50-140 | 30-SEP-21 |
| Benzo(k)fluoranthene | | | 85.2 | | % | | 50-140 | 30-SEP-21 |
| Chrysene | | | 92.1 | | % | | 50-140 | 30-SEP-21 |
| Dibenz(a,h)anthracene | | | 77.0 | | % | | 50-140 | 30-SEP-21 |
| Fluoranthene | | | 83.7 | | % | | 50-140 | 30-SEP-21 |
| Fluorene | | | 82.8 | | % | | 50-140 | 30-SEP-21 |
| Indeno(1,2,3-cd)pyrene | | | 73.2 | | % | | 50-140 | 30-SEP-21 |
| Naphthalene | | | 85.5 | | % | | 50-140 | 30-SEP-21 |
| Phenanthrene | | | 85.5 | | % | | 50-140 | 30-SEP-21 |
| Pyrene | | | 83.8 | | % | | 50-140 | 30-SEP-21 |
| WG3627344-1 | MB | | | | | | | |
| 1-Methylnaphthalene | | | <0.030 | | ug/g | | 0.03 | 30-SEP-21 |
| 2-Methylnaphthalene | | | <0.030 | | ug/g | | 0.03 | 30-SEP-21 |
| Acenaphthene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Acenaphthylene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Anthracene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Benzo(a)anthracene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Benzo(a)pyrene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Benzo(b&j)fluoranthene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Benzo(g,h,i)perylene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Benzo(k)fluoranthene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Chrysene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Dibenz(a,h)anthracene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Fluoranthene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Fluorene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Indeno(1,2,3-cd)pyrene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Naphthalene | | | <0.013 | | ug/g | | 0.013 | 30-SEP-21 |
| Phenanthrene | | | <0.046 | | ug/g | | 0.046 | 30-SEP-21 |
| Pyrene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Surrogate: 2-Fluorobiphenyl | | | 87.7 | | % | | 50-140 | 30-SEP-21 |
| Surrogate: d14-Terphenyl | | | 85.3 | | % | | 50-140 | 30-SEP-21 |
| WG3627344-4 | MS | WG3627344-5 | | | | | | |
| 1-Methylnaphthalene | | | 92.6 | | % | | 50-140 | 30-SEP-21 |

Quality Control Report

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|------------------------|-----------------|-------------|--------|-----------|-------|-----|--------|-----------|
| PAH-511-WT | Soil | | | | | | | |
| Batch | R5605588 | | | | | | | |
| WG3627344-4 | MS | WG3627344-5 | | | | | | |
| 2-Methylnaphthalene | | | 89.0 | | % | | 50-140 | 30-SEP-21 |
| Acenaphthene | | | 87.5 | | % | | 50-140 | 30-SEP-21 |
| Acenaphthylene | | | 84.8 | | % | | 50-140 | 30-SEP-21 |
| Anthracene | | | 78.7 | | % | | 50-140 | 30-SEP-21 |
| Benzo(a)anthracene | | | 90.5 | | % | | 50-140 | 30-SEP-21 |
| Benzo(a)pyrene | | | 77.4 | | % | | 50-140 | 30-SEP-21 |
| Benzo(b&j)fluoranthene | | | 88.8 | | % | | 50-140 | 30-SEP-21 |
| Benzo(g,h,i)perylene | | | 69.9 | | % | | 50-140 | 30-SEP-21 |
| Benzo(k)fluoranthene | | | 83.5 | | % | | 50-140 | 30-SEP-21 |
| Chrysene | | | 90.3 | | % | | 50-140 | 30-SEP-21 |
| Dibenz(a,h)anthracene | | | 74.9 | | % | | 50-140 | 30-SEP-21 |
| Fluoranthene | | | 87.3 | | % | | 50-140 | 30-SEP-21 |
| Fluorene | | | 82.7 | | % | | 50-140 | 30-SEP-21 |
| Indeno(1,2,3-cd)pyrene | | | 73.3 | | % | | 50-140 | 30-SEP-21 |
| Naphthalene | | | 85.5 | | % | | 50-140 | 30-SEP-21 |
| Phenanthrene | | | 85.3 | | % | | 50-140 | 30-SEP-21 |
| Pyrene | | | 87.5 | | % | | 50-140 | 30-SEP-21 |
| PCB-511-WT | Soil | | | | | | | |
| Batch | R5605703 | | | | | | | |
| WG3627344-3 | DUP | WG3627344-5 | | | | | | |
| Aroclor 1242 | | <0.010 | <0.010 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Aroclor 1248 | | <0.010 | <0.010 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Aroclor 1254 | | <0.010 | <0.010 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Aroclor 1260 | | <0.010 | <0.010 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| WG3627344-2 | LCS | | | | | | | |
| Aroclor 1242 | | 94.9 | | | % | | 60-140 | 30-SEP-21 |
| Aroclor 1248 | | 82.3 | | | % | | 60-140 | 30-SEP-21 |
| Aroclor 1254 | | 93.1 | | | % | | 60-140 | 30-SEP-21 |
| Aroclor 1260 | | 104.1 | | | % | | 60-140 | 30-SEP-21 |
| WG3627344-1 | MB | | | | | | | |
| Aroclor 1242 | | <0.010 | | | ug/g | | 0.01 | 30-SEP-21 |
| Aroclor 1248 | | <0.010 | | | ug/g | | 0.01 | 30-SEP-21 |
| Aroclor 1254 | | <0.010 | | | ug/g | | 0.01 | 30-SEP-21 |
| Aroclor 1260 | | <0.010 | | | ug/g | | 0.01 | 30-SEP-21 |

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|---------------------------|-------------|-------------|--------|-----------|----------|------|---------|-----------|
| PCB-511-WT | Soil | | | | | | | |
| Batch | R5605703 | | | | | | | |
| WG3627344-1 | MB | | | | | | | |
| Surrogate: d14-Terphenyl | | | 94.7 | | % | | 60-140 | 30-SEP-21 |
| WG3627344-4 | MS | WG3627344-5 | | | | | | |
| Aroclor 1242 | | | 98.3 | | % | | 60-140 | 30-SEP-21 |
| Aroclor 1254 | | | 89.4 | | % | | 60-140 | 30-SEP-21 |
| Aroclor 1260 | | | 109.5 | | % | | 60-140 | 30-SEP-21 |
| PH-WT | Soil | | | | | | | |
| Batch | R5607228 | | | | | | | |
| WG3628144-1 | DUP | L2644574-1 | | | | | | |
| pH | | 7.67 | 7.68 | J | pH units | 0.01 | 0.3 | 04-OCT-21 |
| WG3630660-1 | LCS | | | | | | | |
| pH | | | 6.98 | | pH units | | 6.9-7.1 | 04-OCT-21 |
| SAR-R511-WT | Soil | | | | | | | |
| Batch | R5605756 | | | | | | | |
| WG3628129-4 | DUP | WG3628129-3 | | | | | | |
| Calcium (Ca) | | 19.5 | 19.1 | | mg/L | 2.1 | 30 | 30-SEP-21 |
| Sodium (Na) | | 6.21 | 6.08 | | mg/L | 2.1 | 30 | 30-SEP-21 |
| Magnesium (Mg) | | 4.12 | 4.08 | | mg/L | 1.0 | 30 | 30-SEP-21 |
| WG3628129-2 | IRM | WT SAR4 | | | | | | |
| Calcium (Ca) | | | 104.7 | | % | | 70-130 | 30-SEP-21 |
| Sodium (Na) | | | 96.0 | | % | | 70-130 | 30-SEP-21 |
| Magnesium (Mg) | | | 106.0 | | % | | 70-130 | 30-SEP-21 |
| WG3628129-5 | LCS | | | | | | | |
| Calcium (Ca) | | 103.0 | | | % | | 80-120 | 30-SEP-21 |
| Sodium (Na) | | 100.8 | | | % | | 80-120 | 30-SEP-21 |
| Magnesium (Mg) | | 101.4 | | | % | | 80-120 | 30-SEP-21 |
| WG3628129-1 | MB | | | | | | | |
| Calcium (Ca) | | <0.50 | | | mg/L | | 0.5 | 30-SEP-21 |
| Sodium (Na) | | <0.50 | | | mg/L | | 0.5 | 30-SEP-21 |
| Magnesium (Mg) | | <0.50 | | | mg/L | | 0.5 | 30-SEP-21 |
| VOC-511-HS-WT | Soil | | | | | | | |
| Batch | R5605128 | | | | | | | |
| WG3627144-4 | DUP | WG3627144-3 | | | | | | |
| 1,1,1,2-Tetrachloroethane | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| 1,1,2,2-Tetrachloroethane | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| 1,1,1-Trichloroethane | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|----------------------------|----------|-------------|--------|-----------|-------|-----|-----------|-----------|
| VOC-511-HS-WT | Soil | | | | | | | |
| Batch | R5605128 | | | | | | | |
| WG3627144-4 | DUP | WG3627144-3 | | | | | | |
| 1,1,2-Trichloroethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,1-Dichloroethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,1-Dichloroethylene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,2-Dibromoethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,2-Dichlorobenzene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,2-Dichloroethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,2-Dichloropropane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,3-Dichlorobenzene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,4-Dichlorobenzene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Acetone | <0.50 | <0.50 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Benzene | <0.0068 | <0.0068 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Bromodichloromethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Bromoform | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Bromomethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Carbon tetrachloride | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Chlorobenzene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Chloroform | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| cis-1,2-Dichloroethylene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| cis-1,3-Dichloropropene | <0.030 | <0.030 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Dibromochloromethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Dichlorodifluoromethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Ethylbenzene | <0.018 | <0.018 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| n-Hexane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Methylene Chloride | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| MTBE | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| m+p-Xylenes | <0.030 | <0.030 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Methyl Ethyl Ketone | <0.50 | <0.50 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Methyl Isobutyl Ketone | <0.50 | <0.50 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| o-Xylene | <0.020 | <0.020 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Styrene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Tetrachloroethylene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Toluene | <0.080 | <0.080 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| trans-1,2-Dichloroethylene | <0.050 | <0.050 | | ug/g | | | | 30-SEP-21 |

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|----------------------------|----------|-------------|--------|-----------|-------|--------|-------|-----------|
| VOC-511-HS-WT | Soil | | | | | | | |
| Batch | R5605128 | | | | | | | |
| WG3627144-4 DUP | | WG3627144-3 | | | | | | |
| trans-1,2-Dichloroethylene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| trans-1,3-Dichloropropene | | <0.030 | <0.030 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Trichloroethylene | | <0.010 | <0.010 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Trichlorofluoromethane | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Vinyl chloride | | <0.020 | <0.020 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| WG3627144-2 LCS | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | 93.6 | | % | | 60-130 | | 30-SEP-21 |
| 1,1,2,2-Tetrachloroethane | | 77.8 | | % | | 60-130 | | 30-SEP-21 |
| 1,1,1-Trichloroethane | | 97.2 | | % | | 60-130 | | 30-SEP-21 |
| 1,1,2-Trichloroethane | | 88.2 | | % | | 60-130 | | 30-SEP-21 |
| 1,1-Dichloroethane | | 95.4 | | % | | 60-130 | | 30-SEP-21 |
| 1,1-Dichloroethylene | | 95.5 | | % | | 60-130 | | 30-SEP-21 |
| 1,2-Dibromoethane | | 88.1 | | % | | 70-130 | | 30-SEP-21 |
| 1,2-Dichlorobenzene | | 96.1 | | % | | 70-130 | | 30-SEP-21 |
| 1,2-Dichloroethane | | 88.6 | | % | | 60-130 | | 30-SEP-21 |
| 1,2-Dichloropropane | | 92.2 | | % | | 70-130 | | 30-SEP-21 |
| 1,3-Dichlorobenzene | | 103.2 | | % | | 70-130 | | 30-SEP-21 |
| 1,4-Dichlorobenzene | | 101.4 | | % | | 70-130 | | 30-SEP-21 |
| Acetone | | 87.8 | | % | | 60-140 | | 30-SEP-21 |
| Benzene | | 93.1 | | % | | 70-130 | | 30-SEP-21 |
| Bromodichloromethane | | 96.8 | | % | | 50-140 | | 30-SEP-21 |
| Bromoform | | 84.0 | | % | | 70-130 | | 30-SEP-21 |
| Bromomethane | | 89.6 | | % | | 50-140 | | 30-SEP-21 |
| Carbon tetrachloride | | 98.4 | | % | | 70-130 | | 30-SEP-21 |
| Chlorobenzene | | 95.8 | | % | | 70-130 | | 30-SEP-21 |
| Chloroform | | 94.8 | | % | | 70-130 | | 30-SEP-21 |
| cis-1,2-Dichloroethylene | | 91.6 | | % | | 70-130 | | 30-SEP-21 |
| cis-1,3-Dichloropropene | | 90.7 | | % | | 70-130 | | 30-SEP-21 |
| Dibromochloromethane | | 92.5 | | % | | 60-130 | | 30-SEP-21 |
| Dichlorodifluoromethane | | 58.7 | | % | | 50-140 | | 30-SEP-21 |
| Ethylenbenzene | | 98.8 | | % | | 70-130 | | 30-SEP-21 |
| n-Hexane | | 93.8 | | % | | 70-130 | | 30-SEP-21 |
| Methylene Chloride | | 93.1 | | % | | 70-130 | | 30-SEP-21 |

Quality Control Report

Workorder: L2644664

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|----------------------------|----------|-----------|---------|-----------|-------|-----|--------|-----------|
| VOC-511-HS-WT | Soil | | | | | | | |
| Batch | R5605128 | | | | | | | |
| WG3627144-2 | LCS | | | | | | | |
| MTBE | | | 94.7 | | % | | 70-130 | 30-SEP-21 |
| m+p-Xylenes | | | 99.8 | | % | | 70-130 | 30-SEP-21 |
| Methyl Ethyl Ketone | | | 78.6 | | % | | 60-140 | 30-SEP-21 |
| Methyl Isobutyl Ketone | | | 68.4 | | % | | 60-140 | 30-SEP-21 |
| o-Xylene | | | 95.8 | | % | | 70-130 | 30-SEP-21 |
| Styrene | | | 95.7 | | % | | 70-130 | 30-SEP-21 |
| Tetrachloroethylene | | | 104.6 | | % | | 60-130 | 30-SEP-21 |
| Toluene | | | 98.9 | | % | | 70-130 | 30-SEP-21 |
| trans-1,2-Dichloroethylene | | | 99.6 | | % | | 60-130 | 30-SEP-21 |
| trans-1,3-Dichloropropene | | | 90.3 | | % | | 70-130 | 30-SEP-21 |
| Trichloroethylene | | | 97.1 | | % | | 60-130 | 30-SEP-21 |
| Trichlorofluoromethane | | | 91.6 | | % | | 50-140 | 30-SEP-21 |
| Vinyl chloride | | | 77.5 | | % | | 60-140 | 30-SEP-21 |
| WG3627144-1 | MB | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,1,2,2-Tetrachloroethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,1,1-Trichloroethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,1,2-Trichloroethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,1-Dichloroethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,1-Dichloroethylene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,2-Dibromoethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,2-Dichlorobenzene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,2-Dichloroethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,2-Dichloropropane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,3-Dichlorobenzene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,4-Dichlorobenzene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Acetone | | | <0.50 | | ug/g | | 0.5 | 30-SEP-21 |
| Benzene | | | <0.0068 | | ug/g | | 0.0068 | 30-SEP-21 |
| Bromodichloromethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Bromoform | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Bromomethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Carbon tetrachloride | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Chlorobenzene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Chloroform | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |

Quality Control Report

Workorder: L2644664

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|---------------------------------|----------|-------------|--------|-----------|-------|-----|--------|-----------|
| VOC-511-HS-WT | Soil | | | | | | | |
| Batch | R5605128 | | | | | | | |
| WG3627144-1 | MB | | | | | | | |
| cis-1,2-Dichloroethylene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| cis-1,3-Dichloropropene | | | <0.030 | | ug/g | | 0.03 | 30-SEP-21 |
| Dibromochloromethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Dichlorodifluoromethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Ethylbenzene | | | <0.018 | | ug/g | | 0.018 | 30-SEP-21 |
| n-Hexane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Methylene Chloride | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| MTBE | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| m+p-Xylenes | | | <0.030 | | ug/g | | 0.03 | 30-SEP-21 |
| Methyl Ethyl Ketone | | | <0.50 | | ug/g | | 0.5 | 30-SEP-21 |
| Methyl Isobutyl Ketone | | | <0.50 | | ug/g | | 0.5 | 30-SEP-21 |
| o-Xylene | | | <0.020 | | ug/g | | 0.02 | 30-SEP-21 |
| Styrene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Tetrachloroethylene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Toluene | | | <0.080 | | ug/g | | 0.08 | 30-SEP-21 |
| trans-1,2-Dichloroethylene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| trans-1,3-Dichloropropene | | | <0.030 | | ug/g | | 0.03 | 30-SEP-21 |
| Trichloroethylene | | | <0.010 | | ug/g | | 0.01 | 30-SEP-21 |
| Trichlorofluoromethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Vinyl chloride | | | <0.020 | | ug/g | | 0.02 | 30-SEP-21 |
| Surrogate: 1,4-Difluorobenzene | | | 101.6 | | % | | 50-140 | 30-SEP-21 |
| Surrogate: 4-Bromofluorobenzene | | | 99.5 | | % | | 50-140 | 30-SEP-21 |
| WG3627144-5 | MS | WG3627144-3 | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | 96.9 | | % | | 50-140 | 30-SEP-21 |
| 1,1,2,2-Tetrachloroethane | | | 89.1 | | % | | 50-140 | 30-SEP-21 |
| 1,1,1-Trichloroethane | | | 99.5 | | % | | 50-140 | 30-SEP-21 |
| 1,1,2-Trichloroethane | | | 92.6 | | % | | 50-140 | 30-SEP-21 |
| 1,1-Dichloroethane | | | 97.9 | | % | | 50-140 | 30-SEP-21 |
| 1,1-Dichloroethylene | | | 102.2 | | % | | 50-140 | 30-SEP-21 |
| 1,2-Dibromoethane | | | 91.5 | | % | | 50-140 | 30-SEP-21 |
| 1,2-Dichlorobenzene | | | 97.4 | | % | | 50-140 | 30-SEP-21 |
| 1,2-Dichloroethane | | | 93.1 | | % | | 50-140 | 30-SEP-21 |
| 1,2-Dichloropropane | | | 96.3 | | % | | 50-140 | 30-SEP-21 |
| 1,3-Dichlorobenzene | | | 100.7 | | % | | 50-140 | 30-SEP-21 |

Quality Control Report

Workorder: L2644664

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|----------------------------|----------|-------------|--------|-----------|-------|-----|--------|-----------|
| VOC-511-HS-WT | Soil | | | | | | | |
| Batch | R5605128 | | | | | | | |
| WG3627144-5 | MS | WG3627144-3 | | | | | | |
| 1,4-Dichlorobenzene | | | 99.4 | | % | | 50-140 | 30-SEP-21 |
| Acetone | | | 101.0 | | % | | 50-140 | 30-SEP-21 |
| Benzene | | | 95.7 | | % | | 50-140 | 30-SEP-21 |
| Bromodichloromethane | | | 101.7 | | % | | 50-140 | 30-SEP-21 |
| Bromoform | | | 91.1 | | % | | 50-140 | 30-SEP-21 |
| Bromomethane | | | 103.5 | | % | | 50-140 | 30-SEP-21 |
| Carbon tetrachloride | | | 100.8 | | % | | 50-140 | 30-SEP-21 |
| Chlorobenzene | | | 97.3 | | % | | 50-140 | 30-SEP-21 |
| Chloroform | | | 97.4 | | % | | 50-140 | 30-SEP-21 |
| cis-1,2-Dichloroethylene | | | 93.2 | | % | | 50-140 | 30-SEP-21 |
| cis-1,3-Dichloropropene | | | 96.6 | | % | | 50-140 | 30-SEP-21 |
| Dibromochloromethane | | | 95.5 | | % | | 50-140 | 30-SEP-21 |
| Dichlorodifluoromethane | | | 104.8 | | % | | 50-140 | 30-SEP-21 |
| Ethylbenzene | | | 98.0 | | % | | 50-140 | 30-SEP-21 |
| n-Hexane | | | 102.3 | | % | | 50-140 | 30-SEP-21 |
| Methylene Chloride | | | 96.4 | | % | | 50-140 | 30-SEP-21 |
| MTBE | | | 98.4 | | % | | 50-140 | 30-SEP-21 |
| m+p-Xylenes | | | 99.2 | | % | | 50-140 | 30-SEP-21 |
| Methyl Ethyl Ketone | | | 88.0 | | % | | 50-140 | 30-SEP-21 |
| Methyl Isobutyl Ketone | | | 79.3 | | % | | 50-140 | 30-SEP-21 |
| o-Xylene | | | 96.5 | | % | | 50-140 | 30-SEP-21 |
| Styrene | | | 98.3 | | % | | 50-140 | 30-SEP-21 |
| Tetrachloroethylene | | | 101.2 | | % | | 50-140 | 30-SEP-21 |
| Toluene | | | 97.4 | | % | | 50-140 | 30-SEP-21 |
| trans-1,2-Dichloroethylene | | | 101.8 | | % | | 50-140 | 30-SEP-21 |
| trans-1,3-Dichloropropene | | | 96.1 | | % | | 50-140 | 30-SEP-21 |
| Trichloroethylene | | | 98.1 | | % | | 50-140 | 30-SEP-21 |
| Trichlorofluoromethane | | | 101.8 | | % | | 50-140 | 30-SEP-21 |
| Vinyl chloride | | | 94.1 | | % | | 50-140 | 30-SEP-21 |
| Batch | R5605393 | | | | | | | |
| WG3627728-4 | DUP | WG3627728-3 | | | | | | |
| 1,1,1,2-Tetrachloroethane | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| 1,1,2,2-Tetrachloroethane | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| 1,1,1-Trichloroethane | | <0.050 | <0.050 | | ug/g | | | 30-SEP-21 |

Quality Control Report

Workorder: L2644664

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|--------------------------|----------|-------------|--------|-----------|-------|-----|-----------|-----------|
| VOC-511-HS-WT | Soil | | | | | | | |
| Batch | R5605393 | | | | | | | |
| WG3627728-4 | DUP | WG3627728-3 | | | | | | |
| 1,1,1-Trichloroethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,1,2-Trichloroethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,1-Dichloroethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,1-Dichloroethylene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,2-Dibromoethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,2-Dichlorobenzene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,2-Dichloroethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,2-Dichloropropane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,3-Dichlorobenzene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| 1,4-Dichlorobenzene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Acetone | <0.50 | <0.50 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Benzene | <0.0068 | <0.0068 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Bromodichloromethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Bromoform | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Bromomethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Carbon tetrachloride | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Chlorobenzene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Chloroform | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| cis-1,2-Dichloroethylene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| cis-1,3-Dichloropropene | <0.030 | <0.030 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Dibromochloromethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Dichlorodifluoromethane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Ethylbenzene | <0.018 | <0.018 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| n-Hexane | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Methylene Chloride | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| MTBE | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| m+p-Xylenes | <0.030 | <0.030 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Methyl Ethyl Ketone | <0.50 | <0.50 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Methyl Isobutyl Ketone | <0.50 | <0.50 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| o-Xylene | <0.020 | <0.020 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Styrene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Tetrachloroethylene | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 | |
| Toluene | <0.080 | <0.080 | | ug/g | | | | 30-SEP-21 |

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|----------------------------|----------|-------------|--------|-----------|-------|--------|-----------|-----------|
| VOC-511-HS-WT | Soil | | | | | | | |
| Batch | R5605393 | | | | | | | |
| WG3627728-4 | DUP | WG3627728-3 | | | | | | |
| Toluene | | <0.080 | <0.080 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| trans-1,2-Dichloroethylene | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| trans-1,3-Dichloropropene | | <0.030 | <0.030 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Trichloroethylene | | <0.010 | <0.010 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Trichlorofluoromethane | | <0.050 | <0.050 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| Vinyl chloride | | <0.020 | <0.020 | RPD-NA | ug/g | N/A | 40 | 30-SEP-21 |
| WG3627728-2 | LCS | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | 86.8 | | % | | 60-130 | 30-SEP-21 | |
| 1,1,2,2-Tetrachloroethane | | 84.6 | | % | | 60-130 | 30-SEP-21 | |
| 1,1,1-Trichloroethane | | 87.6 | | % | | 60-130 | 30-SEP-21 | |
| 1,1,2-Trichloroethane | | 88.9 | | % | | 60-130 | 30-SEP-21 | |
| 1,1-Dichloroethane | | 84.4 | | % | | 60-130 | 30-SEP-21 | |
| 1,1-Dichloroethylene | | 84.5 | | % | | 60-130 | 30-SEP-21 | |
| 1,2-Dibromoethane | | 86.9 | | % | | 70-130 | 30-SEP-21 | |
| 1,2-Dichlorobenzene | | 86.3 | | % | | 70-130 | 30-SEP-21 | |
| 1,2-Dichloroethane | | 82.8 | | % | | 60-130 | 30-SEP-21 | |
| 1,2-Dichloropropane | | 83.3 | | % | | 70-130 | 30-SEP-21 | |
| 1,3-Dichlorobenzene | | 85.5 | | % | | 70-130 | 30-SEP-21 | |
| 1,4-Dichlorobenzene | | 84.3 | | % | | 70-130 | 30-SEP-21 | |
| Acetone | | 81.9 | | % | | 60-140 | 30-SEP-21 | |
| Benzene | | 83.9 | | % | | 70-130 | 30-SEP-21 | |
| Bromodichloromethane | | 90.9 | | % | | 50-140 | 30-SEP-21 | |
| Bromoform | | 84.5 | | % | | 70-130 | 30-SEP-21 | |
| Bromomethane | | 86.5 | | % | | 50-140 | 30-SEP-21 | |
| Carbon tetrachloride | | 88.2 | | % | | 70-130 | 30-SEP-21 | |
| Chlorobenzene | | 86.1 | | % | | 70-130 | 30-SEP-21 | |
| Chloroform | | 86.6 | | % | | 70-130 | 30-SEP-21 | |
| cis-1,2-Dichloroethylene | | 88.8 | | % | | 70-130 | 30-SEP-21 | |
| cis-1,3-Dichloropropene | | 81.1 | | % | | 70-130 | 30-SEP-21 | |
| Dibromochloromethane | | 84.8 | | % | | 60-130 | 30-SEP-21 | |
| Dichlorodifluoromethane | | 64.6 | | % | | 50-140 | 30-SEP-21 | |
| Ethylbenzene | | 84.5 | | % | | 70-130 | 30-SEP-21 | |
| n-Hexane | | 76.6 | | % | | 70-130 | 30-SEP-21 | |

Quality Control Report

Workorder: L2644664

Report Date: 04-OCT-21

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|----------------------------|----------|-----------|---------|-----------|-------|-----|--------|-----------|
| VOC-511-HS-WT | Soil | | | | | | | |
| Batch | R5605393 | | | | | | | |
| WG3627728-2 | LCS | | | | | | | |
| Methylene Chloride | | | 81.4 | | % | | 70-130 | 30-SEP-21 |
| MTBE | | | 83.6 | | % | | 70-130 | 30-SEP-21 |
| m+p-Xylenes | | | 84.6 | | % | | 70-130 | 30-SEP-21 |
| Methyl Ethyl Ketone | | | 79.9 | | % | | 60-140 | 30-SEP-21 |
| Methyl Isobutyl Ketone | | | 72.7 | | % | | 60-140 | 30-SEP-21 |
| o-Xylene | | | 84.8 | | % | | 70-130 | 30-SEP-21 |
| Styrene | | | 85.8 | | % | | 70-130 | 30-SEP-21 |
| Tetrachloroethylene | | | 90.9 | | % | | 60-130 | 30-SEP-21 |
| Toluene | | | 88.5 | | % | | 70-130 | 30-SEP-21 |
| trans-1,2-Dichloroethylene | | | 79.3 | | % | | 60-130 | 30-SEP-21 |
| trans-1,3-Dichloropropene | | | 82.2 | | % | | 70-130 | 30-SEP-21 |
| Trichloroethylene | | | 88.5 | | % | | 60-130 | 30-SEP-21 |
| Trichlorofluoromethane | | | 81.8 | | % | | 50-140 | 30-SEP-21 |
| Vinyl chloride | | | 71.0 | | % | | 60-140 | 30-SEP-21 |
| WG3627728-1 | MB | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,1,2,2-Tetrachloroethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,1,1-Trichloroethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,1,2-Trichloroethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,1-Dichloroethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,1-Dichloroethylene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,2-Dibromoethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,2-Dichlorobenzene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,2-Dichloroethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,2-Dichloropropane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,3-Dichlorobenzene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| 1,4-Dichlorobenzene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Acetone | | | <0.50 | | ug/g | | 0.5 | 30-SEP-21 |
| Benzene | | | <0.0068 | | ug/g | | 0.0068 | 30-SEP-21 |
| Bromodichloromethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Bromoform | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Bromomethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Carbon tetrachloride | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Chlorobenzene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |

Quality Control Report

Workorder: L2644664

Report Date: 04-OCT-21

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|---------------------------------|----------|-------------|--------|-----------|-------|-----|--------|-----------|
| VOC-511-HS-WT | Soil | | | | | | | |
| Batch | R5605393 | | | | | | | |
| WG3627728-1 | MB | | | | | | | |
| Chloroform | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| cis-1,2-Dichloroethylene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| cis-1,3-Dichloropropene | | | <0.030 | | ug/g | | 0.03 | 30-SEP-21 |
| Dibromochloromethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Dichlorodifluoromethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Ethylbenzene | | | <0.018 | | ug/g | | 0.018 | 30-SEP-21 |
| n-Hexane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Methylene Chloride | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| MTBE | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| m+p-Xylenes | | | <0.030 | | ug/g | | 0.03 | 30-SEP-21 |
| Methyl Ethyl Ketone | | | <0.50 | | ug/g | | 0.5 | 30-SEP-21 |
| Methyl Isobutyl Ketone | | | <0.50 | | ug/g | | 0.5 | 30-SEP-21 |
| o-Xylene | | | <0.020 | | ug/g | | 0.02 | 30-SEP-21 |
| Styrene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Tetrachloroethylene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Toluene | | | <0.080 | | ug/g | | 0.08 | 30-SEP-21 |
| trans-1,2-Dichloroethylene | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| trans-1,3-Dichloropropene | | | <0.030 | | ug/g | | 0.03 | 30-SEP-21 |
| Trichloroethylene | | | <0.010 | | ug/g | | 0.01 | 30-SEP-21 |
| Trichlorofluoromethane | | | <0.050 | | ug/g | | 0.05 | 30-SEP-21 |
| Vinyl chloride | | | <0.020 | | ug/g | | 0.02 | 30-SEP-21 |
| Surrogate: 1,4-Difluorobenzene | | | 106.1 | | % | | 50-140 | 30-SEP-21 |
| Surrogate: 4-Bromofluorobenzene | | | 100.6 | | % | | 50-140 | 30-SEP-21 |
| WG3627728-5 | MS | WG3627728-3 | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | 104.7 | | % | | 50-140 | 30-SEP-21 |
| 1,1,2,2-Tetrachloroethane | | | 100.9 | | % | | 50-140 | 30-SEP-21 |
| 1,1,1-Trichloroethane | | | 109.2 | | % | | 50-140 | 30-SEP-21 |
| 1,1,2-Trichloroethane | | | 107.8 | | % | | 50-140 | 30-SEP-21 |
| 1,1-Dichloroethane | | | 105.3 | | % | | 50-140 | 30-SEP-21 |
| 1,1-Dichloroethylene | | | 109.3 | | % | | 50-140 | 30-SEP-21 |
| 1,2-Dibromoethane | | | 104.9 | | % | | 50-140 | 30-SEP-21 |
| 1,2-Dichlorobenzene | | | 101.7 | | % | | 50-140 | 30-SEP-21 |
| 1,2-Dichloroethane | | | 102.6 | | % | | 50-140 | 30-SEP-21 |
| 1,2-Dichloropropane | | | 101.9 | | % | | 50-140 | 30-SEP-21 |

Quality Control Report

Workorder: L2644664

Report Date: 04-OCT-21

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Client: MBN ENVIRONMENTAL ENGINEERING INC.

29 St. Charles Street, East

Maryhill ON N0B 2B0

Contact: DREW STOLTZ

| Test | Matrix | Reference | Result | Qualifier | Units | RPD | Limit | Analyzed |
|----------------------------|----------|-------------|--------|-----------|-------|-----|--------|-----------|
| VOC-511-HS-WT | Soil | | | | | | | |
| Batch | R5605393 | | | | | | | |
| WG3627728-5 | MS | WG3627728-3 | | | | | | |
| 1,3-Dichlorobenzene | | | 101.2 | | % | | 50-140 | 30-SEP-21 |
| 1,4-Dichlorobenzene | | | 99.2 | | % | | 50-140 | 30-SEP-21 |
| Acetone | | | 106.3 | | % | | 50-140 | 30-SEP-21 |
| Benzene | | | 103.8 | | % | | 50-140 | 30-SEP-21 |
| Bromodichloromethane | | | 111.5 | | % | | 50-140 | 30-SEP-21 |
| Bromoform | | | 101.8 | | % | | 50-140 | 30-SEP-21 |
| Bromomethane | | | 115.4 | | % | | 50-140 | 30-SEP-21 |
| Carbon tetrachloride | | | 109.9 | | % | | 50-140 | 30-SEP-21 |
| Chlorobenzene | | | 104.1 | | % | | 50-140 | 30-SEP-21 |
| Chloroform | | | 107.2 | | % | | 50-140 | 30-SEP-21 |
| cis-1,2-Dichloroethylene | | | 110.5 | | % | | 50-140 | 30-SEP-21 |
| cis-1,3-Dichloropropene | | | 96.4 | | % | | 50-140 | 30-SEP-21 |
| Dibromochloromethane | | | 102.7 | | % | | 50-140 | 30-SEP-21 |
| Dichlorodifluoromethane | | | 118.1 | | % | | 50-140 | 30-SEP-21 |
| Ethylbenzene | | | 102.5 | | % | | 50-140 | 30-SEP-21 |
| n-Hexane | | | 102.4 | | % | | 50-140 | 30-SEP-21 |
| Methylene Chloride | | | 102.7 | | % | | 50-140 | 30-SEP-21 |
| MTBE | | | 96.5 | | % | | 50-140 | 30-SEP-21 |
| m+p-Xylenes | | | 102.1 | | % | | 50-140 | 30-SEP-21 |
| Methyl Ethyl Ketone | | | 96.4 | | % | | 50-140 | 30-SEP-21 |
| Methyl Isobutyl Ketone | | | 88.4 | | % | | 50-140 | 30-SEP-21 |
| o-Xylene | | | 102.3 | | % | | 50-140 | 30-SEP-21 |
| Styrene | | | 104.3 | | % | | 50-140 | 30-SEP-21 |
| Tetrachloroethylene | | | 110.8 | | % | | 50-140 | 30-SEP-21 |
| Toluene | | | 108.1 | | % | | 50-140 | 30-SEP-21 |
| trans-1,2-Dichloroethylene | | | 99.7 | | % | | 50-140 | 30-SEP-21 |
| trans-1,3-Dichloropropene | | | 95.8 | | % | | 50-140 | 30-SEP-21 |
| Trichloroethylene | | | 108.7 | | % | | 50-140 | 30-SEP-21 |
| Trichlorofluoromethane | | | 109.6 | | % | | 50-140 | 30-SEP-21 |
| Vinyl chloride | | | 100.2 | | % | | 50-140 | 30-SEP-21 |

Quality Control Report

Workorder: L2644664

Report Date: 04-OCT-21

Client: MBN ENVIRONMENTAL ENGINEERING INC.
29 St. Charles Street, East
Maryhill ON N0B 2B0

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Contact: DREW STOLTZ

Legend:

| | |
|-------|---|
| Limit | ALS Control Limit (Data Quality Objectives) |
| DUP | Duplicate |
| RPD | Relative Percent Difference |
| N/A | Not Available |
| LCS | Laboratory Control Sample |
| SRM | Standard Reference Material |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| ADE | Average Desorption Efficiency |
| MB | Method Blank |
| IRM | Internal Reference Material |
| CRM | Certified Reference Material |
| CCV | Continuing Calibration Verification |
| CVS | Calibration Verification Standard |
| LCSD | Laboratory Control Sample Duplicate |

Sample Parameter Qualifier Definitions:

| Qualifier | Description |
|-----------|---|
| J | Duplicate results and limits are expressed in terms of absolute difference. |
| RPD-NA | Relative Percent Difference Not Available due to result(s) being less than detection limit. |

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

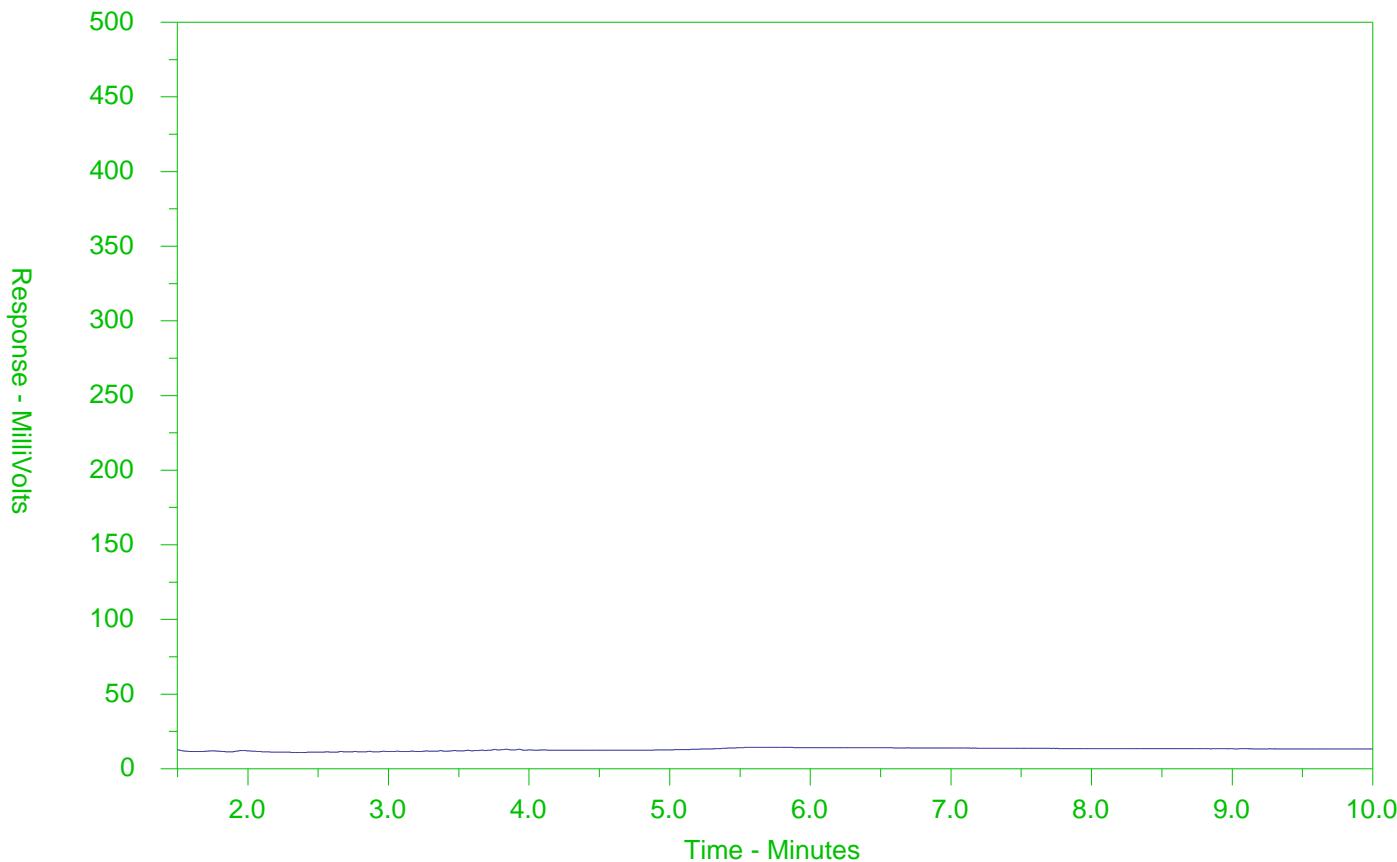
The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2644664-1
Client Sample ID: GAMMA-1



| Hydrocarbon Distribution Report (HDR) | | | |
|---------------------------------------|--------|---------------------------------|--------|
| ← F2 → | ← F3 → | ← F4 → | |
| nC10 | nC16 | nC34 | nC50 |
| 174°C | 287°C | 481°C | 575°C |
| 346°F | 549°F | 898°F | 1067°F |
| Gasoline → | | ← Motor Oils/Lube Oils/Grease → | |
| ← Diesel/Jet Fuels → | | | |

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

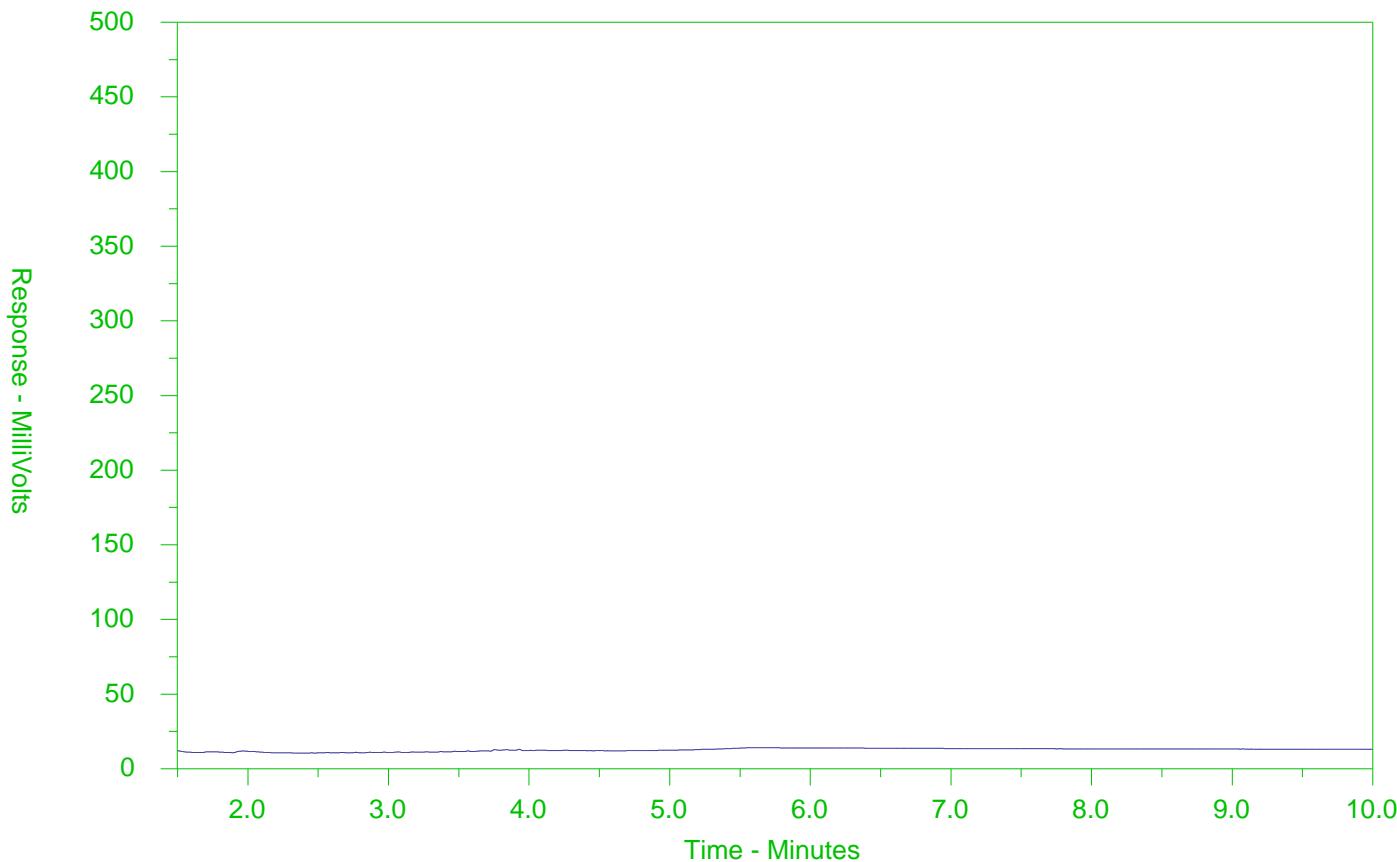
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2644664-3
Client Sample ID: GAMMA-3



| Hydrocarbon Distribution Report (F2-F4) | | | |
|---|---------------------------------|-------|--------|
| nC10 | nC16 | nC34 | nC50 |
| 174°C | 287°C | 481°C | 575°C |
| 346°F | 549°F | 898°F | 1067°F |
| Gasoline → | ← Motor Oils/Lube Oils/Grease → | | |
| ← Diesel/Jet Fuels → | | | |

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.



www.alsglobal.com



L2644664-COFC

(COC) / Analytical Request Form

COC Number: 20-308275

a Toll Free: 1 800 668 9878

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| | | | | | | | | | | |
|--|---|--|---|--|--|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Report To Contact and company name below will appear on the final report | | ...ports / Recipients | | Turnaround Time (TAT) Requested | | AFFIX ALS BARCODE LABEL HERE (ALS use only) | | | | |
| Company: MAN ENVIRONMENTAL | Contact: DREW STOLTZ | Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL) | Merge QC/QCI Reports with COA <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A | <input checked="" type="checkbox"/> Routine [R] if received by 3pm M-F - no surcharges apply | <input type="checkbox"/> 4 day [P4] if received by 3pm M-F - 20% rush surcharge minimum | | | | | |
| Phone: 519-804-7408 | Company address below will appear on the final report | <input checked="" type="checkbox"/> Compare Results to Criteria on Report - provide details below if box checked | | <input type="checkbox"/> 3 day [P3] if received by 3pm M-F - 25% rush surcharge minimum | <input type="checkbox"/> 2 day [P2] if received by 3pm M-F - 50% rush surcharge minimum | | | | | |
| Street: 29 ST. CHARLES ST. E. | City/Province: MARYHILL ON | Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX | Email 1 or Fax d.stoltz@manenvironmental.com | <input type="checkbox"/> 1 day [E] if received by 3pm M-F - 100% rush surcharge minimum | <input type="checkbox"/> Same day [E2] if received by 10am M-S - 200% rush surcharge. Additional fees may apply to rush requests on weekends, statutory holidays and non-routine tests | | | | | |
| Postal Code: N0B 2B0 | Invoice To Same as Report To <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | Invoice Recipients | Date and Time Required for all E&P TATs: For all tests with rush TATs requested, please contact your AM to confirm availability. | | | | | | | |
| Copy of Invoice with Report <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX | Email 2 AS ABOVE | Analysis Request Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below | | | | | | | |
| Company: AS ABOVE | Contact: | Email 3 AS ABOVE | NUMBER OF CONTAINERS | VOL / PtC (F1) | PtC (F2-4) / PtA1 | PCB | METALS / INORGANICS | | | |
| Project Information | | Oil and Gas Required Fields (client use) | | | | | | | | |
| ALS Account # / Quote #: MAN-21-693 | AFE/Cost Center: | PO# | | | | | | | | |
| Job #: MAN-21-693 | Major/Minor Code: | Routing Code: | | | | | | | | |
| PO / AFE: | Requisitioner: | | | | | | | | | |
| LSD: | Location: | | | | | | | | | |
| ALS Lab Work Order # (ALS use only): Q644664 | ALS Contact: EH | Sampler: D. STOLTZ | | | | | | | | |
| ALS Sample # (ALS use only) | Sample Identification and/or Coordinates (This description will appear on the report) | | Date (dd-mm-yy) | Time (hh:mm) | Sample Type | | | SAMPLES ON HOLD | EXTENDED STORAGE REQUIRED | SUSPECTED HAZARD (see notes) |
| | | | 28-SEP-21 | SOIL | 5 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Gamma-1 | | | | 5 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Gamma-2 | | | | 5 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Gamma-3 | | | | 5 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Gamma-4 | | | | 5 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Gamma-5 | | | | 5 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Gamma-6 | | | | 5 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Drinking Water (DW) Samples ¹ (client use) | | Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only) | | | | | | | | |
| Are samples taken from a Regulated DW System? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | SAMPLE RECEIPT DETAILS (ALS use only) Cooling Method: <input type="checkbox"/> NONE <input type="checkbox"/> ICE <input checked="" type="checkbox"/> ICE PACKS <input type="checkbox"/> FROZEN <input type="checkbox"/> COOLING INITIATED | | | | | | | | |
| Are samples for human consumption/ use? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | Submission Comments identified on Sample Receipt Notification: <input type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | | | |
| | | Cooler Custody Seals Intact: <input type="checkbox"/> YES <input type="checkbox"/> N/A Sample Custody Seals Intact: <input type="checkbox"/> YES <input type="checkbox"/> N/A | | | | | | | | |
| | | INITIAL COOLER TEMPERATURES °C | | | | FINAL COOLER TEMPERATURES °C | | | | |
| | | | | | | 10.4 | | | | |
| SHIPMENT RELEASE (client use) | | INITIAL SHIPMENT RECEIPTION (ALS use only) | | | | FINAL SHIPMENT RECEIPTION (ALS use only) | | | | |
| Released by: Drew Stoltz | Date: 9/28/21 | Time: 14:45 | Received by: | Date: | Time: | Received by: mg | Date: Sep 28/21 | Time: 15:00 | AMG 2020 FRONT | |

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.