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Migizi Group, Inc. Jason Souza 3227 178th St SE Bothell, WA 98012

RE: Onyx Hazel Deli Lab ID: 1404192

May 02, 2014

#### Attention Jason Souza:

Fremont Analytical, Inc. received 4 sample(s) on 4/17/2014 for the analyses presented in the following report.

### Dissolved Metals by EPA Method 200.8 Hydrocarbon Identification by NWTPH-HCID Total Metals by EPA Method 200.8

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

MGA

Michael Dee Sr. Chemist / Principal



| CLIENT:<br>Project:<br>Lab Order: | Migizi Group, Inc.<br>Onyx Hazel Deli<br>1404192 | Work Order S        | Sample Summary     |
|-----------------------------------|--|---------------------|--------------------|
| Lab Sample ID                     | Client Sample ID                                 | Date/Time Collected | Date/Time Received |
| 1404192-001                       | MW-1   | 04/17/2014 11:45 AM | 04/17/2014 4:40 PM |
| 1404192-002                       | MGI-3  | 04/17/2014 1:00 PM  | 04/17/2014 4:40 PM |
| 1404192-003                       | MGI-5  | 04/17/2014 2:00 PM  | 04/17/2014 4:40 PM |
| 1404192-004                       | Trip Blank                                       | 04/16/2014 12:00 PM | 04/17/2014 4:40 PM |



**Case Narrative** 

WO#: **1404192** Date: **5/2/2014** 

CLIENT:Migizi Group, Inc.Project:Onyx Hazel Deli

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

#### **III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# **Analytical Report**

WO#: **1404192** Date Reported: **5/2/2014** 

| Client: Migizi Group, Inc.<br>Project: Onyx Hazel Deli |         |        | (    | Collection | n Date: 4/1 | 7/2014 11:45:00 AM    |
|--|---------|--------|------|------------|-------------|-----------------------|
| Lab ID: 1404192-001<br>Client Sample ID: MW-1          |         |        |      | Matrix: W  | /ater       |                       |
| Analyses   | Result  | RL     | Qual | Units      | DF          | Date Analyzed         |
| Hydrocarbon Identification by NW                       | PH-HCID |        |      | Bato       | h ID: 7189  | Analyst: BR           |
| Gasoline   | ND      | 400    |      | μg/L       | 1           | 4/23/2014 6:28:00 PM  |
| Mineral Spirits  | ND      | 500    |      | µg/L       | 1           | 4/23/2014 6:28:00 PM  |
| Kerosene   | ND      | 500    |      | µg/L       | 1           | 4/23/2014 6:28:00 PM  |
| Diesel (Fuel Oil)                                      | ND      | 500    |      | µg/L       | 1           | 4/23/2014 6:28:00 PM  |
| Heavy Oil  | ND      | 500    |      | µg/L       | 1           | 4/23/2014 6:28:00 PM  |
| Mineral Oil  | ND      | 500    |      | µg/L       | 1           | 4/23/2014 6:28:00 PM  |
| Surr: 2-Fluorobiphenyl                                 | 65.9    | 50-150 |      | %REC       | 1           | 4/23/2014 6:28:00 PM  |
| Surr: o-Terphenyl                                      | 76.0    | 50-150 |      | %REC       | 1           | 4/23/2014 6:28:00 PM  |
| Dissolved Metals by EPA Method 2                       | 00.8    |        |      | Bato       | h ID: 7360  | Analyst: TN           |
| Iron   | ND      | 100    |      | µg/L       | 1           | 5/1/2014 5:43:12 PM   |
| Lead   | ND      | 1.00   |      | µg/L       | 1           | 4/22/2014 6:29:34 AM  |
| Total Metals by EPA Method 200.8                       |         |        |      | Bato       | h ID: 7260  | Analyst: TN           |
| Iron   | ND      | 100    |      | µg/L       | 1           | 4/30/2014 3:23:26 PM  |
| Lead   | ND      | 1.00   |      | µg/L       | 1           | 4/24/2014 12:28:42 PM |

Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

RL Reporting Limit

- D Dilution was required
- H Holding times for preparation or analysis exceeded

ND Not detected at the Reporting Limit

S Spike recovery outside accepted recovery limits



# **Analytical Report**

WO#: **1404192** Date Reported: **5/2/2014** 

| Client: Migizi Group, Inc.<br>Project: Onyx Hazel Deli |             |        |      | Collection | n Date: 4/1 | 7/2014 1:00:00 PM    |
|--|-------------|--------|------|------------|-------------|----------------------|
| Lab ID: 1404192-002<br>Client Sample ID: MGI-3         |             |        |      | Matrix: W  | /ater       |                      |
| Analyses   | Result      | RL     | Qual | Units      | DF          | Date Analyzed        |
| Hydrocarbon Identification by NWT                      | PH-HCID     |        |      | Bato       | h ID: 7189  | Analyst: BR          |
| Gasoline   | ND          | 400    |      | μg/L       | 1           | 4/23/2014 6:56:00 PM |
| Mineral Spirits  | ND          | 500    |      | µg/L       | 1           | 4/23/2014 6:56:00 PM |
| Kerosene   | ND          | 500    |      | µg/L       | 1           | 4/23/2014 6:56:00 PM |
| Diesel (Fuel Oil)                                      | ND          | 500    |      | µg/L       | 1           | 4/23/2014 6:56:00 PM |
| Heavy Oil  | ND          | 500    |      | µg/L       | 1           | 4/23/2014 6:56:00 PM |
| Mineral Oil  | ND          | 500    |      | µg/L       | 1           | 4/23/2014 6:56:00 PM |
| Surr: 2-Fluorobiphenyl                                 | 58.7        | 50-150 |      | %REC       | 1           | 4/23/2014 6:56:00 PM |
| Surr: o-Terphenyl                                      | 73.7        | 50-150 |      | %REC       | 1           | 4/23/2014 6:56:00 PM |
| Dissolved Metals by EPA Method 2                       | <u>00.8</u> |        |      | Bato       | h ID: 7360  | Analyst: TN          |
| Iron   | ND          | 100    |      | µg/L       | 1           | 5/1/2014 6:00:13 PM  |
| Lead   | ND          | 1.00   |      | µg/L       | 1           | 4/22/2014 6:41:35 AM |
| Total Metals by EPA Method 200.8                       |             |        |      | Bato       | h ID: 7260  | Analyst: TN          |
| Iron   | 245         | 100    |      | μg/L       | 1           | 4/30/2014 3:26:34 PM |
| Lead   | 1.24        | 1.00   |      | µg/L       | 1           | 4/24/2014 1:32:17 PM |

Qualifiers: B

Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

RL Reporting Limit

- D Dilution was required
- H Holding times for preparation or analysis exceeded

ND Not detected at the Reporting Limit

S Spike recovery outside accepted recovery limits



# **Analytical Report**

WO#: **1404192** Date Reported: **5/2/2014** 

| Client: Migizi Group, Inc.<br>Project: Onyx Hazel Deli |             | Collection Date: 4/17/2014 2:00:00 PM |      |           |            |                      |  |  |
|--|-------------|---------------------------------------|------|-----------|------------|----------------------|--|--|
| Lab ID: 1404192-003<br>Client Sample ID: MGI-5         |             |                                       |      | Matrix: W | /ater      |                      |  |  |
| Analyses   | Result      | RL                                    | Qual | Units     | DF         | Date Analyzed        |  |  |
| Hydrocarbon Identification by NWT                      | PH-HCID     |                                       |      | Bato      | h ID: 7189 | Analyst: BR          |  |  |
| Gasoline   | ND          | 400                                   |      | µg/L      | 1          | 4/23/2014 7:56:00 PM |  |  |
| Mineral Spirits  | ND          | 500                                   |      | µg/L      | 1          | 4/23/2014 7:56:00 PM |  |  |
| Kerosene   | ND          | 500                                   |      | µg/L      | 1          | 4/23/2014 7:56:00 PM |  |  |
| Diesel (Fuel Oil)                                      | ND          | 500                                   |      | µg/L      | 1          | 4/23/2014 7:56:00 PM |  |  |
| Heavy Oil  | ND          | 500                                   |      | µg/L      | 1          | 4/23/2014 7:56:00 PM |  |  |
| Mineral Oil  | ND          | 500                                   |      | µg/L      | 1          | 4/23/2014 7:56:00 PM |  |  |
| Surr: 2-Fluorobiphenyl                                 | 64.1        | 50-150                                |      | %REC      | 1          | 4/23/2014 7:56:00 PM |  |  |
| Surr: o-Terphenyl                                      | 75.4        | 50-150                                |      | %REC      | 1          | 4/23/2014 7:56:00 PM |  |  |
| Dissolved Metals by EPA Method 2                       | <u>00.8</u> |                                       |      | Bato      | h ID: 7360 | Analyst: TN          |  |  |
| Iron   | 190         | 100                                   |      | µg/L      | 1          | 5/1/2014 6:03:21 PM  |  |  |
| Lead   | ND          | 1.00                                  |      | µg/L      | 1          | 4/22/2014 6:53:36 AM |  |  |
| Total Metals by EPA Method 200.8                       |             |                                       |      | Bato      | h ID: 7260 | Analyst: TN          |  |  |
| Iron   | 1,860       | 100                                   |      | µg/L      | 1          | 4/30/2014 3:29:42 PM |  |  |
| Lead   | 1.20        | 1.00                                  |      | µg/L      | 1          | 4/24/2014 1:44:19 PM |  |  |

Qualifiers: B

Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

RL Reporting Limit

- D Dilution was required
- H Holding times for preparation or analysis exceeded

ND Not detected at the Reporting Limit

S Spike recovery outside accepted recovery limits



| Work Order: 1404192               |                                 |      |                |                           |        |              |                   | QC S                    | SUMMAI               | RY REF   | POR. |
|-----------------------------------|---------------------------------|------|----------------|---------------------------|--------|--------------|-------------------|-------------------------|----------------------|----------|------|
| CLIENT: Migizi Grou               |                                 |      |                |                           |        |              | Dis               | solved Met              | als by FP            |          | 200  |
| Project: Onyx Haze                | el Deli                         |      |                |                           |        |              |                   |                         |                      |          | 200. |
| Sample ID: MB-7188                | SampType: MBLK                  |      |                | Units: µg/L               |        | Prep Dat     | e: <b>4/18/20</b> | 14                      | RunNo: 137           | '43      |      |
| Client ID: MBLKW                  | Batch ID: 7188                  |      |                |                           |        | Analysis Dat | e: <b>4/22/20</b> | 14                      | SeqNo: 278           | 196      |      |
| Analyte                           | Result                          | RL   | SPK value      | SPK Ref Val               | %REC   | LowLimit     | HighLimit         | RPD Ref Val             | %RPD                 | RPDLimit | Qual |
| Lead                              | ND                              | 1.00 |                |                           |        |              |                   |                         |                      |          |      |
| Sample ID: LCS-7188               | SampType: LCS                   |      |                | Units: µg/L               |        | Prep Dat     | e: <b>4/18/20</b> | 14                      | RunNo: 137           | /43      |      |
| Client ID: LCSW                   | Batch ID: 7188                  |      |                |                           |        | Analysis Dat | e: <b>4/22/20</b> | 14                      | SeqNo: 278           | 197      |      |
| Analyte                           | Result                          | RL   | SPK value      | SPK Ref Val               | %REC   | LowLimit     | HighLimit         | RPD Ref Val             | %RPD                 | RPDLimit | Qual |
| Lead                              | 49.4                            | 1.00 | 50.00          | 0                         | 98.7   | 85           | 115               |                         |                      |          |      |
| Sample ID: 1404166-001ADUP        | SampType: DUP                   |      |                | Units: µg/L               |        | Prep Dat     | e: <b>4/18/20</b> | 14                      | RunNo: 137           | /43      |      |
| Client ID: BATCH                  | Batch ID: 7188                  |      |                |                           |        | Analysis Dat | e: <b>4/22/20</b> | 14                      | SeqNo: 278           | 199      |      |
| Analyte                           | Result                          | RL   | SPK value      | SPK Ref Val               | %REC   | LowLimit     | HighLimit         | RPD Ref Val             | %RPD                 | RPDLimit | Qual |
| Lead                              | 1.18                            | 1.00 |                |                           |        |              |                   | 1.028                   | 14.0                 | 30       |      |
| Sample ID: 1404166-001AMS         | SampType: MS                    |      |                | Units: µg/L               |        | Prep Dat     | e: <b>4/18/20</b> | 14                      | RunNo: 137           | /43      |      |
| Client ID: BATCH                  | Batch ID: 7188                  |      |                |                           |        | Analysis Dat | e: <b>4/22/20</b> | 14                      | SeqNo: 278           | 200      |      |
| Analyte                           | Result                          | RL   | SPK value      | SPK Ref Val               | %REC   | LowLimit     | HighLimit         | RPD Ref Val             | %RPD                 | RPDLimit | Qual |
| Lead                              | 245                             | 1.00 | 250.0          | 1.028                     | 97.5   | 70           | 130               |                         |                      |          |      |
| Sample ID: 1404166-001AMSD        | SampType: MSD                   |      |                | Units: µg/L               |        | Prep Dat     | e: <b>4/18/20</b> | 14                      | RunNo: 137           | '43      |      |
| Client ID: BATCH                  | Batch ID: 7188                  |      |                |                           |        | Analysis Dat | e: <b>4/22/20</b> | 14                      | SeqNo: 278           | 201      |      |
| Analyte                           | Result                          | RL   | SPK value      | SPK Ref Val               | %REC   | LowLimit     | HighLimit         | RPD Ref Val             | %RPD                 | RPDLimit | Qual |
| Lead                              | 232                             | 1.00 | 250.0          | 1.028                     | 92.2   | 70           | 130               | 244.8                   | 5.58                 | 30       |      |
| Qualifiers: B Analyte detected in | the associated Method Blank     |      | D Dilution wa  | s required                |        |              | E Value           | e above quantitation ra | ange                 |          |      |
| addimers.                         | reparation or analysis exceeded |      |                | tected below quantitation | limits |              |                   | etected at the Report   | -                    |          |      |
| R RPD outside accep               | oted recovery limits            |      | RL Reporting I | Limit                     |        |              | S Spike           | e recovery outside acc  | epted recovery limit | S        |      |



| Work Order: 1404 <sup>°</sup><br>CLIENT: Migiz |  |     |                |                             |       |             |             | QC S                   | SUMMA                | RY REF   | PORT  |
|--|--|-----|----------------|-----------------------------|-------|-------------|-------------|------------------------|----------------------|----------|-------|
| -  | i Group, Inc.<br>Hazel Deli              |     |                |                             |       |             | Dis         | solved Met             | als by EP/           | A Method | 200.8 |
| Sample ID: <b>MB-7360</b>                      | SampType: MBLK                           |     |                | Units: µg/L                 |       | Prep Da     | te: 5/1/201 | 4                      | RunNo: 139           | 995      |       |
| Client ID: MBLKW                               | Batch ID: 7360                           |     |                |                             |       | Analysis Da | te: 5/1/201 | 4                      | SeqNo: 285           | 5461     |       |
| Analyte  | Result                                   | RL  | SPK value      | SPK Ref Val                 | %REC  | LowLimit    | HighLimit   | RPD Ref Val            | %RPD                 | RPDLimit | Qual  |
| Iron   | ND                                       | 100 |                |                             |       |             |             |                        |                      |          |       |
| Sample ID: LCS-7360                            | SampType: LCS                            |     |                | Units: µg/L                 |       | Prep Da     | te: 5/1/201 | 4                      | RunNo: 139           | 995      |       |
| Client ID: LCSW                                | Batch ID: 7360                           |     |                |                             |       | Analysis Da | te: 5/1/201 | 4                      | SeqNo: 285           | 5462     |       |
| Analyte  | Result                                   | RL  | SPK value      | SPK Ref Val                 | %REC  | LowLimit    | HighLimit   | RPD Ref Val            | %RPD                 | RPDLimit | Qual  |
| Iron   | 972                                      | 100 | 1,000          | 0                           | 97.2  | 50          | 150         |                        |                      |          |       |
| Sample ID: 1404339-001EI                       | DUP SampType: DUP                        |     |                | Units: µg/L                 |       | Prep Da     | te: 5/1/201 | 4                      | RunNo: 139           | 995      |       |
| Client ID: BATCH                               | Batch ID: 7360                           |     |                |                             |       | Analysis Da | te: 5/1/201 | 4                      | SeqNo: 285           | 5464     |       |
| Analyte  | Result                                   | RL  | SPK value      | SPK Ref Val                 | %REC  | LowLimit    | HighLimit   | RPD Ref Val            | %RPD                 | RPDLimit | Qual  |
| Iron   | 3,700                                    | 100 |                |                             |       |             |             | 3,675                  | 0.745                | 30       |       |
| Sample ID: 1404339-001EI                       | MS SampType: MS                          |     |                | Units: µg/L                 |       | Prep Da     | te: 5/1/201 | 4                      | RunNo: 139           | 995      |       |
| Client ID: BATCH                               | Batch ID: 7360                           |     |                |                             |       | Analysis Da | te: 5/1/201 | 4                      | SeqNo: 285           | 5465     |       |
| Analyte  | Result                                   | RL  | SPK value      | SPK Ref Val                 | %REC  | LowLimit    | HighLimit   | RPD Ref Val            | %RPD                 | RPDLimit | Qual  |
| Iron   | 9,040                                    | 100 | 5,000          | 3,675                       | 107   | 50          | 150         |                        |                      |          |       |
| Sample ID: 1404339-001EI                       | MSD SampType: MSD                        |     |                | Units: µg/L                 |       | Prep Da     | te: 5/1/201 | 4                      | RunNo: 139           | 995      |       |
| Client ID: BATCH                               | Batch ID: 7360                           |     |                |                             |       | Analysis Da | te: 5/1/201 | 4                      | SeqNo: 285           | 5466     |       |
| Analyte  | Result                                   | RL  | SPK value      | SPK Ref Val                 | %REC  | LowLimit    | HighLimit   | RPD Ref Val            | %RPD                 | RPDLimit | Qual  |
| Iron   | 9,000                                    | 100 | 5,000          | 3,675                       | 106   | 50          | 150         | 9,042                  | 0.468                | 30       |       |
| Qualifiers: B Analyte de                       | etected in the associated Method Blank   |     | D Dilution wa  | is required                 |       |             | E Value     | above quantitation ra  | inge                 |          |       |
| quaimoron                                      | mes for preparation or analysis exceeded |     | J Analyte det  | tected below quantitation I | imits |             |             | etected at the Reporti | -                    |          |       |
| R RPD outs                                     | ide accepted recovery limits             |     | RL Reporting I | Limit                       |       |             | S Spike     | recovery outside acc   | epted recovery limit | s        |       |



| Work Order: 1404192            |                                  |      |                |                          |       |               |                   | QC S                   | SUMMAI               | RY REF   | ORT   |
|--------------------------------|----------------------------------|------|----------------|--------------------------|-------|---------------|-------------------|------------------------|----------------------|----------|-------|
| CLIENT: Migizi Gro             | up, Inc.                         |      |                |                          |       |               |                   |                        |                      |          | -     |
| Project: Onyx Haz              | el Deli                          |      |                |                          |       |               |                   | Total Met              |                      | a wethod | 200.0 |
| Sample ID: MB-7227             | SampType: <b>MBLK</b>            |      |                | Units: µg/L              |       | Prep Date     | e: <b>4/23/20</b> | 14                     | RunNo: 138           | 10       |       |
| Client ID: MBLKW               | Batch ID: 7227                   |      |                |                          |       | Analysis Date | e: <b>4/24/20</b> | 14                     | SeqNo: 280           | 002      |       |
| Analyte                        | Result                           | RL   | SPK value      | SPK Ref Val              | %REC  | LowLimit      | HighLimit         | RPD Ref Val            | %RPD                 | RPDLimit | Qual  |
| Lead                           | ND                               | 1.00 |                |                          |       |               |                   |                        |                      |          |       |
| Sample ID: LCS-7227            | SampType: LCS                    |      |                | Units: µg/L              |       | Prep Date     | e: <b>4/23/20</b> | 14                     | RunNo: 138           | 10       |       |
| Client ID: LCSW                | Batch ID: 7227                   |      |                |                          |       | Analysis Date | e: <b>4/24/20</b> | 14                     | SeqNo: 280           | 003      |       |
| Analyte                        | Result                           | RL   | SPK value      | SPK Ref Val              | %REC  | LowLimit      | HighLimit         | RPD Ref Val            | %RPD                 | RPDLimit | Qual  |
| Lead                           | 52.6                             | 1.00 | 50.00          | 0                        | 105   | 85            | 115               |                        |                      |          |       |
| Sample ID: 1404192-001BDUP     | SampType: DUP                    |      |                | Units: µg/L              |       | Prep Date     | e: <b>4/23/20</b> | 14                     | RunNo: 138           | 10       |       |
| Client ID: MW-1                | Batch ID: 7227                   |      |                |                          |       | Analysis Date | e: <b>4/24/20</b> | 14                     | SeqNo: 280           | 005      |       |
| Analyte                        | Result                           | RL   | SPK value      | SPK Ref Val              | %REC  | LowLimit      | HighLimit         | RPD Ref Val            | %RPD                 | RPDLimit | Qual  |
| Lead                           | ND                               | 1.00 |                |                          |       |               |                   | 0                      |                      | 30       |       |
| Sample ID: 1404192-001BMSD     | SampType: MSD                    |      |                | Units: µg/L              |       | Prep Date     | e: <b>4/23/20</b> | 14                     | RunNo: 138           | 10       |       |
| Client ID: MW-1                | Batch ID: 7227                   |      |                |                          |       | Analysis Date | e: <b>4/24/20</b> | 14                     | SeqNo: 280           | 006      |       |
| Analyte                        | Result                           | RL   | SPK value      | SPK Ref Val              | %REC  | LowLimit      | HighLimit         | RPD Ref Val            | %RPD                 | RPDLimit | Qual  |
| Lead                           | 219                              | 1.00 | 250.0          | 0.3690                   | 87.3  | 70            | 130               | 237.2                  | 8.14                 | 30       |       |
| Sample ID: 1404192-001BMS      | SampType: MS                     |      |                | Units: µg/L              |       | Prep Date     | e: <b>4/23/20</b> | 14                     | RunNo: 138           | 10       |       |
| Client ID: MW-1                | Batch ID: 7227                   |      |                |                          |       | Analysis Date | e: <b>4/24/20</b> | 14                     | SeqNo: 280           | 031      |       |
| Analyte                        | Result                           | RL   | SPK value      | SPK Ref Val              | %REC  | LowLimit      | HighLimit         | RPD Ref Val            | %RPD                 | RPDLimit | Qual  |
| Lead                           | 237                              | 1.00 | 250.0          | 0.3690                   | 94.7  | 70            | 130               |                        |                      |          |       |
| Qualifiers: B Analyte detected | in the associated Method Blank   |      | D Dilution wa  | s required               |       |               | E Value           | above quantitation ra  | ange                 |          |       |
| qualifieren                    | preparation or analysis exceeded |      | J Analyte de   | ected below quantitation | imits |               |                   | etected at the Reporti | -                    |          |       |
| R RPD outside acce             | epted recovery limits            |      | RL Reporting I | _imit                    |       |               | S Spike           | recovery outside acc   | epted recovery limit | 6        |       |



| Work Order: 1404192                       |   |     |                               |   |       | QC  | SUMMARY REPOR          |
|---|---|-----|-------------------------------|---|-------|---|------------------------|
| CLIENT: Migizi Grou<br>Project: Onyx Haze |   |     |                               |   |       | Total Me  | tals by EPA Method 200 |
| Project: Onyx Haze Sample ID: MB-7260     | SampType: MBLK  |     |                               | Lipito: ug/l                                |       | Prep Date: 4/28/2014                                      | RunNo: <b>13959</b>    |
| Client ID: MBLKW                          | Batch ID: <b>7260</b>                                       |     |                               | Units: µg/L                                 |       | Analysis Date: 4/30/2014                                  | SeqNo: 284353          |
| Analyte                                   | Result  | RL  | SPK value                     | SPK Ref Val                                 | %REC  | LowLimit HighLimit RPD Ref Val                            | %RPD RPDLimit Qual     |
|   |   |     | SFK value                     | SFK Rei Vai                                 | %REC  | LowLinnik FighLinnik RFD Rei Var                          |                        |
| Iron                                      | ND  | 100 |                               |   |       |   |                        |
| Sample ID: LCS-7260                       | SampType: LCS   |     |                               | Units: µg/L                                 |       | Prep Date: 4/28/2014                                      | RunNo: 13959           |
| Client ID: LCSW                           | Batch ID: 7260  |     |                               |   |       | Analysis Date: 4/30/2014                                  | SeqNo: 284354          |
| Analyte                                   | Result  | RL  | SPK value                     | SPK Ref Val                                 | %REC  | LowLimit HighLimit RPD Ref Val                            | %RPD RPDLimit Qual     |
| Iron                                      | 1,050   | 100 | 1,000                         | 0   | 105   | 50 150  |                        |
| Sample ID: 1404257-001BDUP                | SampType: <b>DUP</b>  |     |                               | Units: µg/L                                 |       | Prep Date: 4/28/2014                                      | RunNo: <b>13959</b>    |
| Client ID: BATCH                          | Batch ID: 7260  |     |                               |   |       | Analysis Date: 4/30/2014                                  | SeqNo: 284356          |
| Analyte                                   | Result  | RL  | SPK value                     | SPK Ref Val                                 | %REC  | LowLimit HighLimit RPD Ref Val                            | %RPD RPDLimit Qual     |
| Iron                                      | 6,890   | 100 |                               |   |       | 6,039   | 13.2 30                |
| Sample ID: 1404257-001BMS                 | SampType: <b>MS</b>   |     |                               | Units: µg/L                                 |       | Prep Date: 4/28/2014                                      | RunNo: <b>13959</b>    |
| Client ID: BATCH                          | Batch ID: 7260  |     |                               |   |       | Analysis Date: 4/30/2014                                  | SeqNo: 284357          |
| Analyte                                   | Result  | RL  | SPK value                     | SPK Ref Val                                 | %REC  | LowLimit HighLimit RPD Ref Val                            | %RPD RPDLimit Qual     |
| Iron                                      | 12,200  | 100 | 5,000                         | 6,039                                       | 124   | 50 150  |                        |
| Sample ID: 1404257-001BMSD                | SampType: <b>MSD</b>  |     |                               | Units: µg/L                                 |       | Prep Date: 4/28/2014                                      | RunNo: <b>13959</b>    |
| Client ID: BATCH                          | Batch ID: 7260  |     |                               |   |       | Analysis Date: 4/30/2014                                  | SeqNo: 284358          |
| Analyte                                   | Result  | RL  | SPK value                     | SPK Ref Val                                 | %REC  | LowLimit HighLimit RPD Ref Val                            | %RPD RPDLimit Qual     |
| Iron                                      | 12,100  | 100 | 5,000                         | 6,039                                       | 122   | 50 150 12,140   | 0 30                   |
| addimero:                                 | the associated Method Blank reparation or analysis exceeded |     | D Dilution wa<br>J Analyte de | as required<br>tected below quantitation li | imits | E Value above quantitation<br>ND Not detected at the Repo | •                      |
| R RPD outside accep                       | ted recovery limits   |     | RL Reporting                  | Limit                                       |       | S Spike recovery outside ad                               | cepted recovery limits |

| <b>AR</b> | Fremont      |
|-----------|--------------|
|           | (Analytical) |

| Work Order:1404192CLIENT:Migizi GiProject:Onyx Ha | roup, Inc.     |     |           |             |      | ł             | -•                  | C SUMMARY RE<br>entification by NWTP | -    |
|---|----------------|-----|-----------|-------------|------|---------------|---------------------|--------------------------------------|------|
| Sample ID: MB-7189                                | SampType: MBLK |     |           | Units: µg/L |      | Prep Date     | e: 4/18/2014        | RunNo: 13832                         |      |
| Client ID: MBLKW                                  | Batch ID: 7189 |     |           |             |      | Analysis Date | e: 4/23/2014        | SeqNo: 280431                        |      |
| Analyte   | Result         | RL  | SPK value | SPK Ref Val | %REC | LowLimit      | HighLimit RPD Ref   | √al %RPD RPDLimit                    | Qual |
| Gasoline  | ND             | 400 |           |             |      |               |                     |                                      |      |
| Mineral Spirits                                   | ND             | 500 |           |             |      |               |                     |                                      |      |
| Kerosene  | ND             | 500 |           |             |      |               |                     |                                      |      |
| Diesel (Fuel Oil)                                 | ND             | 500 |           |             |      |               |                     |                                      |      |
| Heavy Oil   | ND             | 500 |           |             |      |               |                     |                                      |      |
| Mineral Oil                                       | ND             | 500 |           |             |      |               |                     |                                      |      |
| Surr: 2-Fluorobiphenyl                            | 259            |     | 240.0     |             | 108  | 50            | 150                 |                                      |      |
| Surr: o-Terphenyl                                 | 264            |     | 240.0     |             | 110  | 50            | 150                 |                                      |      |
| Sample ID: LCS-7189                               | SampType: LCS  |     |           | Units: µg/L |      | Prep Date     | e: 4/18/2014        | RunNo: 13832                         |      |
| Client ID: LCSW                                   | Batch ID: 7189 |     |           |             |      | Analysis Date | e: <b>4/23/2014</b> | SeqNo: 280432                        |      |
| Analyte   | Result         | RL  | SPK value | SPK Ref Val | %REC | LowLimit      | HighLimit RPD Ref   | √al %RPD RPDLimit                    | Qual |
| Diesel (Fuel Oil)                                 | 1,660          | 500 | 2,000     | 0           | 82.9 | 65            | 135                 |                                      |      |
| Surr: 2-Fluorobiphenyl                            | 117            |     | 160.0     |             | 73.3 | 50            | 150                 |                                      |      |
| Surr: o-Terphenyl                                 | 135            |     | 160.0     |             | 84.3 | 50            | 150                 |                                      |      |

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

- D Dilution was required
- J Analyte detected below quantitation limits

RL Reporting Limit

E Value above quantitation range

- ND Not detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits



### Sample Log-In Check List

| Cli | ent Name:             | MGI   | Work O   | der Nun      | nber: 1404192 |                   |  |
|-----|-----------------------|---|----------|--------------|---------------|-------------------|--|
| Lo  | gged by:              | Chelsea Ward                                      | Date Re  | ceived:      | 4/17/2014     | 4:40:00 PM        |  |
| Cha | in of Custo           | <u>ody</u>  |          |              |               |                   |  |
| 1.  | ls Chain of Cu        | ustody complete?                                  | Yes      | $\checkmark$ | No 🗌          | Not Present       |  |
| 2.  | How was the           | sample delivered?                                 | Clien    | <u>t</u>     |               |                   |  |
| Log | <u>In</u>             |   |          |              |               |                   |  |
| 3.  | Coolers are p         | resent?   | Yes      | ✓            | No 🗌          |                   |  |
| 4.  | Shipping cont         | ainer/cooler in good condition?                   | Yes      | ✓            | No 🗌          |                   |  |
| 5.  | Custody seals         | intact on shipping container/cooler?              | Yes      |              | No 🗌          | Not Required 🗹    |  |
| 6.  | Was an atterr         | apt made to cool the samples?                     | Yes      | $\checkmark$ | No 🗌          |                   |  |
| 7.  | Were all coole        | ers received at a temperature of >0°C to 10.0°C   | Yes      |              | No 🗌          |                   |  |
| 8.  | Sample(s) in          | proper container(s)?                              | Yes      | $\checkmark$ | No 🗌          |                   |  |
| 9.  | Sufficient san        | nple volume for indicated test(s)?                | Yes      | $\checkmark$ | No 🗌          |                   |  |
| 10. | Are samples p         | properly preserved?                               | Yes      | $\checkmark$ | No 🗌          |                   |  |
| 11. | Was preserva          | tive added to bottles?                            | Yes      | $\checkmark$ | No 🗌          | NA 🗌              |  |
| 12  | Is the headsp         | ace in the VOA vials?                             | Yes      |              | No 🔽          | HNO3, HCL<br>NA 🗌 |  |
|     |                       | es containers arrive in good condition(unbroken)? | Yes      |              |               |                   |  |
|     |                       | ork match bottle labels?                          | Yes      |              | No 🗌          |                   |  |
| 15  | Are matrices          | correctly identified on Chain of Custody?         | Yes      | ✓            | No 🗌          |                   |  |
|     |                       | t analyses were requested?                        | Yes      | $\checkmark$ | No 🗌          |                   |  |
| -   |                       | ng times able to be met?                          | Yes      | $\checkmark$ | No 🗌          |                   |  |
| Spe | cial Handl            | ing (if applicable)                               |          |              |               |                   |  |
|     |                       | tified of all discrepancies with this order?      | Yes      |              | No 🗌          | NA 🗹              |  |
|     | Person I              | Notified: Da                                      | ate:     |              |               |                   |  |
|     | By Who                | m: Vi   | a: 🗌 eMa | il 🗌 F       | hone 🗌 Fax [  | In Person         |  |
|     | Regardii<br>Client In | ng:<br>structions:                                |          |              |               |                   |  |
|     | Additional ren        |   |          |              |               |                   |  |

#### Item Information

| Item # | Temp °C | Condition |
|--------|---------|-----------|
| Cooler | 3.0     | Good      |
| Sample | 1.7     | Good      |

| TAT -> SameDay^ NextDay^ 2 Day 3 Day STD<br>^Please coordinate with the bb in advance |              |                    |  |  | Pater  |           |                      |  |  | 13          | X Neterver     |          |                             |  |           | 1 mine             | 2010                                   |               |                   | channen                                  | X        |
|---|--------------|--------------------|--|--|--|-----------|----------------------|--|--|-------------|----------------|----------|-----------------------------|--|-----------|--------------------|--|---------------|-------------------|--|----------|
|   | CH all       | T                  | 14                                       | E.   | Daterthene   | 4         | K                    | L  | F  | a de la     | x A            |          |                             | Q  | 1640      |                    | 4(17)14                                | 1             | R                 | Relinquished                             | Relin    |
|   |              |                    |  |  |  | 5         | er 30 day            | ained atte   | es are ret   | st If sampl | DE assesse     | fee may  | by Lab (                    | Disposal by Lab (A tee may be assessed if samples are retained after 30 days.) | 0         | o Client           | Return to Client                       | n             |                   | Sample Disposal:                         | Samu     |
| Special Remarks:  |              |                    |  |  | Nitrate+Nitrite  | Nitrate   | 6                    | Fluoride   | ā  | O-Phosphate | ę              | Bromide  | 8                           | Sulfate  | ride      | Chloride           | Nitrite                                | Nitrate       | - 30              | *** Anions (Circle):                     | 4** A    |
| Pb Sb Se Sr Sn Ti Ti U V Zn   | Na NA        | Mg Mn Mo           | *  | Fe   | Co Cr Cu   | a         | Be Ca                | B Ba   | Al As  | ual: Ag     | Individual:    | TAL      | nt:                         | Priority Pollutants  | Priori    | RCRA-8             | MTCA-5                                 | 200           | sis (Circ         | **Metals Analysis (Circle):              | M        |
|   | _            |                    |  |  |  |           | -                    |  |  | -           |                | -        |                             | L  | -         |                    |  |               |                   |  | 10       |
|   |              | -                  |  |  | -  |           | -                    |  |  | -           |                |          |                             |  | +         |                    |  |               |                   |  | 9        |
|   |              |                    |  |  |  |           | -                    |  |  | -           |                |          |                             |  | -         |                    |  |               |                   |  | 68       |
|   |              |                    |  |  |  | -         | -                    |  |  | -           |                |          |                             |  |           |                    |  |               |                   |  | 7        |
|   |              |                    |  |  |  |           | -                    |  |  |             |                |          |                             |  |           |                    |  |               |                   |  | 6        |
|   |              |                    |  |  |  |           | -                    |  |  | -           |                |          |                             |  |           |                    |  |               |                   |  | 5        |
|   |              |                    |  |  |  |           |                      |  |  |             |                |          |                             |  |           |                    |  |               | P                 | TP                                       | 4        |
|   | ~            | r                  |  |  | 4  |           |                      |  |  | $\vdash$    |                |          | E                           | 1400   | F         | <                  |  | 57            | 1                 | MAI                                      | 3        |
|   | ~            | *                  |  |  | t  |           |                      |  |  |             |                |          | E                           | 300  | -         | -                  |  |               | 2                 | NSI                                      | 2        |
|   | 7            | +                  |  |  | 00.000   | -         |                      |  |  |             |                |          | E                           | 15   | -         | 4/17/14            |  |               | -                 | NW-                                      | 4        |
| Comments/Depth  |              | 19910              | 100 100 100 000 000 000 000 000 00000000 | 494 (493)<br>494 (4 | 4/3/2/ 19  | 12/2/3/2/ | Stand and the of the | 5 -<br>5 -<br>5 -<br>5 -<br>5 -<br>5 -<br>5 -<br>5 - | Set and a set of the s |             | Society States | k.       | Sample<br>Type<br>[Matrix]* | Sample   |           | Sample             |  |               | e.                | Sample Name                              | Sa       |
| WW = Waste Water  | ater, WW = V | GW = Ground Water, | W = Gri                                  |  | O = Other, P = Product, S = Soll, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, | DW = D    | Vater,               | W=V  | = Solid  | ient, Sl    | = Sedin        | Soll, SD | ct, S =                     | p = Prod   | Other,    | 10000              | ious, B = Bulk,                        | AQ = Aqueous, |                   | *Matrix Codes: A = Air,                  | •Ma      |
| 9236-14   | MProject No: | UMPr               | OUP.C                                    | ADE  | Email: USOVEN@MIGIZIGPOUR.CU   | NEW N     | 58                   | Email:   | E  | 23          | 398            |          | Fax: 425                    | -  |           |                    |  |               | M):               | Reports To (PM):                         | Re       |
| 99 VANC WA  | HIVY         | F                  | 10011                                    | 50   |  |           | on:<br>ted by:       | Location:<br>Collected by:                           |  | 1300        | 398            | 110      | 11 15                       | SCUPTE:  | HA 984    | LI                 | CURE ,                                 | 200           | •                 | Address:<br>City, State, Zip             | 9 8      |
| EL DOLL   | A VII        | ×                  | e c                                      | 0  |  | R         | t Name               | Project Name:  |  |             |                | (        | 3                           | 8  | R         | H                  | 141                                    | 2             |                   | Client:                                  | 9        |
|   |              | Interna            | ect No (                                 | ary Proj   | Page:  |           | -1-                  | APP-14   | P  | TA          |                | Date:    |                             |  | 90<br>178 | 5-352-3<br>6-352-7 | Tel: 206-352-3790<br>Fax: 206-352-7178 | š             | nt Ave 1<br>98103 | 3600 Fremont Ave N.<br>Seattle, WA 98103 | 36<br>Se |
|   | -            |                    |  |  |  |           |                      |  |  |             |                |          |                             |  | NIN       | malylica           | A                                      | 1             |                   |  |          |
| Chain of Custody Record   | Chai         |                    |  |  |  |           |                      |  |  |             |                |          |                             | +  | 5         | 5                  | remo                                   | 6             | 11                | RE                                       | R        |
|   |              |                    |  |  |  |           |                      |  |  |             |                |          |                             |  |           |                    |  |               |                   |  |          |