



Location 416197  
Pit Facility 435701  
REM 8507  
Received 6/19/2015  
Document 2314849

11-Jul-2014

Jake Janicek  
LT Environmental, Inc  
820 Megan Ave. Unit B  
Rifle, CO 81650

Re: **Werner Pad 7.2.14**

Work Order: **1407269**

Dear Jake,

ALS Environmental received 4 samples on 03-Jul-2014 10:30 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Sample results are compliant with NELAP standard requirements and QC results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 31.

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

Sincerely,

A handwritten signature in cursive script that reads "Ann Preston".

Electronically approved by: Ann Preston

Ann Preston  
Project Manager



Certificate No: MN 532786

## Report of Laboratory Analysis

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185

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**Client:** LT Environmental, Inc  
**Project:** Werner Pad 7.2.14  
**Work Order:** 1407269**Work Order Sample Summary**

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| <u>Lab Samp ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u>              |
|--------------------|-------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 1407269-01         | PB01                    | Soil          |                   | 7/2/2014 10:25         | 7/3/2014 22:30       | <input type="checkbox"/> |
| 1407269-02         | PB02                    | Soil          |                   | 7/2/2014 10:30         | 7/3/2014 22:30       | <input type="checkbox"/> |
| 1407269-03         | PB03                    | Soil          |                   | 7/2/2014 10:35         | 7/3/2014 22:30       | <input type="checkbox"/> |
| 1407269-04         | PB04                    | Soil          |                   | 7/2/2014 10:40         | 7/3/2014 22:30       | <input type="checkbox"/> |

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**Client:** LT Environmental, Inc**Project:** Werner Pad 7.2.14**Work Order:** 1407269**Case Narrative**

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Batch 60337 MS/MSD data for BTEX is not related to this project's samples. No data requires qualification.

Batch 60341 MS/MSD data for Metals is not related to this project's samples. No data requires qualification. Samples 1407269-01 through 1407269-04 reporting limits were elevated due to dilution for high concentrations of non-target analytes.

| <b><u>Qualifier</u></b> | <b><u>Description</u></b>   |
|-------------------------|---|
| *                       | Value exceeds Regulatory Limit  |
| a                       | Not accredited  |
| B                       | Analyte detected in the associated Method Blank above the Reporting Limit         |
| E                       | Value above quantitation range  |
| H                       | Analyzed outside of Holding Time  |
| J                       | Analyte is present at an estimated concentration between the MDL and Report Limit |
| n                       | Not offered for accreditation   |
| ND                      | Not Detected at the Reporting Limit   |
| O                       | Sample amount is > 4 times amount spiked  |
| P                       | Dual Column results percent difference > 40%                                      |
| R                       | RPD above laboratory control limit  |
| S                       | Spike Recovery outside laboratory control limits                                  |
| U                       | Analyzed but not detected above the MDL   |

| <b><u>Acronym</u></b> | <b><u>Description</u></b>           |
|-----------------------|-------------------------------------|
| DUP                   | Method Duplicate                    |
| LCS                   | Laboratory Control Sample           |
| LCSD                  | Laboratory Control Sample Duplicate |
| LOD                   | Limit of Detection (see MDL)        |
| LOQ                   | Limit of Quantitation (see PQL)     |
| MBLK                  | Method Blank                        |
| MDL                   | Method Detection Limit              |
| MS                    | Matrix Spike                        |
| MSD                   | Matrix Spike Duplicate              |
| PQL                   | Practical Quantitation Limit        |
| RPD                   | Relative Percent Difference         |
| TDL                   | Target Detection Limit              |
| TNTC                  | Too Numerous To Count               |
| A                     | APHA Standard Methods               |
| D                     | ASTM                                |
| E                     | EPA                                 |
| SW                    | SW-846 Update III                   |

| <b><u>Units Reported</u></b> | <b><u>Description</u></b>                  |
|------------------------------|--|
| % of sample                  | Percent of Sample                          |
| µg/Kg-dry                    | Micrograms per Kilogram Dry Weight         |
| mg/Kg-dry                    | Milligrams per Kilogram Dry Weight         |
| mg/L                         | Milligrams per Liter                       |
| mmhos/cm @25°C               | Millimhos-Centimeter at 25 Degrees Celcius |
| none                         |  |
| s.u.                         | Standard Units                             |

# ALS Group USA, Corp

Date: 11-Jul-14

Client: LT Environmental, Inc

Project: Werner Pad 7.2.14

Sample ID: PB01

Collection Date: 7/2/2014 10:25 AM

Work Order: 1407269

Lab ID: 1407269-01

Matrix: SOIL

| Analyses                                 | Result | Qual | Report Limit           | Units     | Dilution Factor                | Date Analyzed      |
|--|--------|------|------------------------|-----------|--------------------------------|--------------------|
| <b>DIESEL RANGE ORGANICS BY GC-FID</b>   |        |      |                        |           |                                |                    |
|  |        |      | <b>SW8015M</b>         |           | Prep: SW3541 / 7/9/14          | Analyst: <b>IT</b> |
| DRO (C10-C28)                            | ND     |      | 4.9                    | mg/Kg-dry | 1                              | 7/9/2014 09:05 PM  |
| Surr: 4-Terphenyl-d14                    | 96.5   |      | 39-133                 | %REC      | 1                              | 7/9/2014 09:05 PM  |
| <b>GASOLINE RANGE ORGANICS BY GC-FID</b> |        |      |                        |           |                                |                    |
|  |        |      | <b>SW8015</b>          |           | Prep: SW5035 / 7/7/14          | Analyst: <b>IT</b> |
| GRO (C6-C10)                             | ND     |      | 2,900                  | µg/Kg-dry | 1                              | 7/9/2014 08:37 AM  |
| Surr: Toluene-d8                         | 106    |      | 50-150                 | %REC      | 1                              | 7/9/2014 08:37 AM  |
| <b>MERCURY BY CVAA</b>                   |        |      |                        |           |                                |                    |
|  |        |      | <b>SW7471</b>          |           | Prep: SW7471 / 7/9/14          | Analyst: <b>LR</b> |
| Mercury                                  | 0.043  |      | 0.018                  | mg/Kg-dry | 1                              | 7/9/2014 06:41 PM  |
| <b>METALS BY ICP-MS</b>                  |        |      |                        |           |                                |                    |
|  |        |      | <b>SW6020A</b>         |           | Prep: SW3050B / 7/7/14         | Analyst: <b>ML</b> |
| Arsenic                                  | 3.4    |      | 2.3                    | mg/Kg-dry | 5                              | 7/8/2014 08:41 AM  |
| Barium                                   | 1,200  |      | 23                     | mg/Kg-dry | 50                             | 7/8/2014 07:48 PM  |
| Cadmium                                  | ND     |      | 0.92                   | mg/Kg-dry | 5                              | 7/8/2014 08:41 AM  |
| Chromium                                 | 11     |      | 2.3                    | mg/Kg-dry | 5                              | 7/8/2014 08:41 AM  |
| Copper                                   | 14     |      | 2.3                    | mg/Kg-dry | 5                              | 7/8/2014 08:41 AM  |
| Lead                                     | 21     |      | 2.3                    | mg/Kg-dry | 5                              | 7/8/2014 08:41 AM  |
| Nickel                                   | 7.2    |      | 2.3                    | mg/Kg-dry | 5                              | 7/8/2014 08:41 AM  |
| Selenium                                 | ND     |      | 2.3                    | mg/Kg-dry | 5                              | 7/8/2014 08:41 AM  |
| Silver                                   | ND     |      | 2.3                    | mg/Kg-dry | 5                              | 7/8/2014 08:41 AM  |
| Zinc                                     | 29     |      | 4.6                    | mg/Kg-dry | 5                              | 7/8/2014 08:41 AM  |
| <b>SOLUBLE CATIONS FOR SAR</b>           |        |      |                        |           |                                |                    |
|  |        |      | <b>SW6020A</b>         |           | Prep: USDA Method 20B / 7/9/14 | Analyst: <b>ML</b> |
| Calcium                                  | 340    |      | 10                     | mg/L      | 20                             | 7/10/2014 01:00 PM |
| Magnesium                                | 290    |      | 4.0                    | mg/L      | 20                             | 7/10/2014 01:00 PM |
| Sodium                                   | 1,800  |      | 4.0                    | mg/L      | 20                             | 7/10/2014 01:00 PM |
| <b>SODIUM ADSORPTION RATIO</b>           |        |      |                        |           |                                |                    |
|  |        |      | <b>USDA H60 METHOD</b> |           | Prep: USDA Method 20B / 7/9/14 | Analyst: <b>ML</b> |
| Sodium Adsorption Ratio                  | 17     |      | 0.010                  | none      | 1                              | 7/9/2014           |
| <b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>   |        |      |                        |           |                                |                    |
|  |        |      | <b>SW8270</b>          |           | Prep: SW3541 / 7/9/14          | Analyst: <b>RM</b> |
| Acenaphthene                             | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 06:35 AM |
| Anthracene                               | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 06:35 AM |
| Benzo(a)anthracene                       | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 06:35 AM |
| Benzo(a)pyrene                           | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 06:35 AM |
| Benzo(b)fluoranthene                     | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 06:35 AM |
| Benzo(k)fluoranthene                     | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 06:35 AM |
| Chrysene                                 | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 06:35 AM |
| Dibenzo(a,h)anthracene                   | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 06:35 AM |
| Fluoranthene                             | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 06:35 AM |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 11-Jul-14

Client: LT Environmental, Inc

Project: Werner Pad 7.2.14

Sample ID: PB01

Collection Date: 7/2/2014 10:25 AM

Work Order: 1407269

Lab ID: 1407269-01

Matrix: SOIL

| Analyses                             | Result | Qual | Report Limit           | Units                          | Dilution Factor | Date Analyzed       |
|--------------------------------------|--------|------|------------------------|--------------------------------|-----------------|---------------------|
| Fluorene                             | ND     |      | 7.8                    | µg/Kg-dry                      | 1               | 7/10/2014 06:35 AM  |
| Indeno(1,2,3-cd)pyrene               | ND     |      | 7.8                    | µg/Kg-dry                      | 1               | 7/10/2014 06:35 AM  |
| Naphthalene                          | ND     |      | 7.8                    | µg/Kg-dry                      | 1               | 7/10/2014 06:35 AM  |
| Pyrene                               | ND     |      | 7.8                    | µg/Kg-dry                      | 1               | 7/10/2014 06:35 AM  |
| Surr: 2-Fluorobiphenyl               | 64.1   |      | 12-100                 | %REC                           | 1               | 7/10/2014 06:35 AM  |
| Surr: 4-Terphenyl-d14                | 92.0   |      | 25-137                 | %REC                           | 1               | 7/10/2014 06:35 AM  |
| Surr: Nitrobenzene-d5                | 54.1   |      | 37-107                 | %REC                           | 1               | 7/10/2014 06:35 AM  |
| <b>VOLATILE ORGANIC COMPOUNDS</b>    |        |      | <b>SW8260B</b>         | Prep: SW5035 / 7/7/14          |                 | Analyst: <b>RS</b>  |
| Benzene                              | ND     |      | 35                     | µg/Kg-dry                      | 1               | 7/9/2014 11:31 PM   |
| Ethylbenzene                         | ND     |      | 35                     | µg/Kg-dry                      | 1               | 7/9/2014 11:31 PM   |
| m,p-Xylene                           | ND     |      | 71                     | µg/Kg-dry                      | 1               | 7/9/2014 11:31 PM   |
| o-Xylene                             | ND     |      | 35                     | µg/Kg-dry                      | 1               | 7/9/2014 11:31 PM   |
| Toluene                              | ND     |      | 35                     | µg/Kg-dry                      | 1               | 7/9/2014 11:31 PM   |
| Xylenes, Total                       | ND     |      | 110                    | µg/Kg-dry                      | 1               | 7/9/2014 11:31 PM   |
| Surr: 1,2-Dichloroethane-d4          | 105    |      | 70-130                 | %REC                           | 1               | 7/9/2014 11:31 PM   |
| Surr: 4-Bromofluorobenzene           | 92.1   |      | 70-130                 | %REC                           | 1               | 7/9/2014 11:31 PM   |
| Surr: Dibromofluoromethane           | 101    |      | 70-130                 | %REC                           | 1               | 7/9/2014 11:31 PM   |
| Surr: Toluene-d8                     | 101    |      | 70-130                 | %REC                           | 1               | 7/9/2014 11:31 PM   |
| <b>ELECTRICAL CONDUCTIVITY (SAR)</b> |        |      | <b>USDA H60 METHOD</b> | Prep: USDA Method 20B / 7/9/14 |                 | Analyst: <b>JB</b>  |
| Electrical Conductivity @ Saturation | 13     |      | 0.050                  | mmhos/cm @25                   | 10              | 7/10/2014 10:15 AM  |
| <b>CHROMIUM, TRIVALENT</b>           |        |      | <b>CALCULATION</b>     |                                |                 | Analyst: <b>JJG</b> |
| Chromium, Trivalent                  | 11     |      | 0.59                   | mg/Kg-dry                      | 1               | 7/9/2014 10:25 AM   |
| <b>CHROMIUM, HEXAVALENT</b>          |        |      | <b>SW7196A</b>         | Prep: SW3060A / 7/7/14         |                 | Analyst: <b>JJ</b>  |
| Chromium, Hexavalent                 | ND     |      | 0.58                   | mg/Kg-dry                      | 1               | 7/8/2014 03:00 PM   |
| <b>MOISTURE</b>                      |        |      | <b>A2540 G</b>         |                                |                 | Analyst: <b>TM</b>  |
| Moisture                             | 15     |      | 0.050                  | % of sample                    | 1               | 7/7/2014 02:22 PM   |
| <b>PH</b>                            |        |      | <b>SW9045D</b>         | Prep: EXTRACT / 7/8/14         |                 | Analyst: <b>AT</b>  |
| pH                                   | 9.2    |      |                        | s.u.                           | 1               | 7/8/2014 05:00 PM   |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 11-Jul-14

Client: LT Environmental, Inc

Project: Werner Pad 7.2.14

Sample ID: PB02

Collection Date: 7/2/2014 10:30 AM

Work Order: 1407269

Lab ID: 1407269-02

Matrix: SOIL

| Analyses                                 | Result | Qual | Report Limit | Units     | Dilution Factor | Date Analyzed      |
|--|--------|------|--------------|-----------|-----------------|--------------------|
| <b>DIESEL RANGE ORGANICS BY GC-FID</b>   |        |      |              |           |                 |                    |
| DRO (C10-C28)                            | ND     |      | 4.7          | mg/Kg-dry | 1               | 7/9/2014 09:35 PM  |
| Surr: 4-Terphenyl-d14                    | 99.8   |      | 39-133       | %REC      | 1               | 7/9/2014 09:35 PM  |
| <b>GASOLINE RANGE ORGANICS BY GC-FID</b> |        |      |              |           |                 |                    |
| GRO (C6-C10)                             | ND     |      | 2,900        | µg/Kg-dry | 1               | 7/9/2014 09:02 AM  |
| Surr: Toluene-d8                         | 105    |      | 50-150       | %REC      | 1               | 7/9/2014 09:02 AM  |
| <b>MERCURY BY CVAA</b>                   |        |      |              |           |                 |                    |
| Mercury                                  | 0.050  |      | 0.017        | mg/Kg-dry | 1               | 7/9/2014 06:44 PM  |
| <b>METALS BY ICP-MS</b>                  |        |      |              |           |                 |                    |
| Arsenic                                  | 6.6    |      | 2.2          | mg/Kg-dry | 5               | 7/8/2014 08:48 AM  |
| Barium                                   | 160    |      | 2.2          | mg/Kg-dry | 5               | 7/8/2014 08:48 AM  |
| Cadmium                                  | ND     |      | 0.90         | mg/Kg-dry | 5               | 7/8/2014 08:48 AM  |
| Chromium                                 | 15     |      | 2.2          | mg/Kg-dry | 5               | 7/8/2014 08:48 AM  |
| Copper                                   | 17     |      | 2.2          | mg/Kg-dry | 5               | 7/8/2014 08:48 AM  |
| Lead                                     | 20     |      | 2.2          | mg/Kg-dry | 5               | 7/8/2014 08:48 AM  |
| Nickel                                   | 9.3    |      | 2.2          | mg/Kg-dry | 5               | 7/8/2014 08:48 AM  |
| Selenium                                 | ND     |      | 2.2          | mg/Kg-dry | 5               | 7/8/2014 08:48 AM  |
| Silver                                   | ND     |      | 2.2          | mg/Kg-dry | 5               | 7/8/2014 08:48 AM  |
| Zinc                                     | 43     |      | 4.5          | mg/Kg-dry | 5               | 7/8/2014 08:48 AM  |
| <b>SOLUBLE CATIONS FOR SAR</b>           |        |      |              |           |                 |                    |
| Calcium                                  | 140    |      | 10           | mg/L      | 20              | 7/10/2014 01:06 PM |
| Magnesium                                | 190    |      | 4.0          | mg/L      | 20              | 7/10/2014 01:06 PM |
| Sodium                                   | 1,700  |      | 4.0          | mg/L      | 20              | 7/10/2014 01:06 PM |
| <b>SODIUM ADSORPTION RATIO</b>           |        |      |              |           |                 |                    |
| Sodium Adsorption Ratio                  | 22     |      | 0.010        | none      | 1               | 7/9/2014           |
| <b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>   |        |      |              |           |                 |                    |
| Acenaphthene                             | ND     |      | 7.6          | µg/Kg-dry | 1               | 7/10/2014 06:56 AM |
| Anthracene                               | ND     |      | 7.6          | µg/Kg-dry | 1               | 7/10/2014 06:56 AM |
| Benzo(a)anthracene                       | ND     |      | 7.6          | µg/Kg-dry | 1               | 7/10/2014 06:56 AM |
| Benzo(a)pyrene                           | ND     |      | 7.6          | µg/Kg-dry | 1               | 7/10/2014 06:56 AM |
| Benzo(b)fluoranthene                     | ND     |      | 7.6          | µg/Kg-dry | 1               | 7/10/2014 06:56 AM |
| Benzo(k)fluoranthene                     | ND     |      | 7.6          | µg/Kg-dry | 1               | 7/10/2014 06:56 AM |
| Chrysene                                 | ND     |      | 7.6          | µg/Kg-dry | 1               | 7/10/2014 06:56 AM |
| Dibenzo(a,h)anthracene                   | ND     |      | 7.6          | µg/Kg-dry | 1               | 7/10/2014 06:56 AM |
| Fluoranthene                             | ND     |      | 7.6          | µg/Kg-dry | 1               | 7/10/2014 06:56 AM |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 11-Jul-14

Client: LT Environmental, Inc

Project: Werner Pad 7.2.14

Sample ID: PB02

Collection Date: 7/2/2014 10:30 AM

Work Order: 1407269

Lab ID: 1407269-02

Matrix: SOIL

| Analyses                             | Result | Qual | Report Limit           | Units                          | Dilution Factor | Date Analyzed       |
|--------------------------------------|--------|------|------------------------|--------------------------------|-----------------|---------------------|
| Fluorene                             | ND     |      | 7.6                    | µg/Kg-dry                      | 1               | 7/10/2014 06:56 AM  |
| Indeno(1,2,3-cd)pyrene               | ND     |      | 7.6                    | µg/Kg-dry                      | 1               | 7/10/2014 06:56 AM  |
| Naphthalene                          | ND     |      | 7.6                    | µg/Kg-dry                      | 1               | 7/10/2014 06:56 AM  |
| Pyrene                               | ND     |      | 7.6                    | µg/Kg-dry                      | 1               | 7/10/2014 06:56 AM  |
| Surr: 2-Fluorobiphenyl               | 57.0   |      | 12-100                 | %REC                           | 1               | 7/10/2014 06:56 AM  |
| Surr: 4-Terphenyl-d14                | 105    |      | 25-137                 | %REC                           | 1               | 7/10/2014 06:56 AM  |
| Surr: Nitrobenzene-d5                | 49.0   |      | 37-107                 | %REC                           | 1               | 7/10/2014 06:56 AM  |
| <b>VOLATILE ORGANIC COMPOUNDS</b>    |        |      | <b>SW8260B</b>         | Prep: SW5035 / 7/7/14          |                 | Analyst: <b>AK</b>  |
| Benzene                              | ND     |      | 35                     | µg/Kg-dry                      | 1               | 7/9/2014 06:53 AM   |
| Ethylbenzene                         | ND     |      | 35                     | µg/Kg-dry                      | 1               | 7/9/2014 06:53 AM   |
| m,p-Xylene                           | ND     |      | 70                     | µg/Kg-dry                      | 1               | 7/9/2014 06:53 AM   |
| o-Xylene                             | ND     |      | 35                     | µg/Kg-dry                      | 1               | 7/9/2014 06:53 AM   |
| Toluene                              | ND     |      | 35                     | µg/Kg-dry                      | 1               | 7/9/2014 06:53 AM   |
| Xylenes, Total                       | ND     |      | 100                    | µg/Kg-dry                      | 1               | 7/9/2014 06:53 AM   |
| Surr: 1,2-Dichloroethane-d4          | 98.2   |      | 70-130                 | %REC                           | 1               | 7/9/2014 06:53 AM   |
| Surr: 4-Bromofluorobenzene           | 99.6   |      | 70-130                 | %REC                           | 1               | 7/9/2014 06:53 AM   |
| Surr: Dibromofluoromethane           | 95.9   |      | 70-130                 | %REC                           | 1               | 7/9/2014 06:53 AM   |
| Surr: Toluene-d8                     | 95.8   |      | 70-130                 | %REC                           | 1               | 7/9/2014 06:53 AM   |
| <b>ELECTRICAL CONDUCTIVITY (SAR)</b> |        |      | <b>USDA H60 METHOD</b> | Prep: USDA Method 20B / 7/9/14 |                 | Analyst: <b>JB</b>  |
| Electrical Conductivity @ Saturation | 10     |      | 0.050                  | mmhos/cm @25                   | 10              | 7/10/2014 10:15 AM  |
| <b>CHROMIUM, TRIVALENT</b>           |        |      | <b>CALCULATION</b>     |                                |                 | Analyst: <b>JJG</b> |
| Chromium, Trivalent                  | 15     |      | 0.58                   | mg/Kg-dry                      | 1               | 7/9/2014 10:25 AM   |
| <b>CHROMIUM, HEXAVALENT</b>          |        |      | <b>SW7196A</b>         | Prep: SW3060A / 7/7/14         |                 | Analyst: <b>JJ</b>  |
| Chromium, Hexavalent                 | ND     |      | 0.58                   | mg/Kg-dry                      | 1               | 7/8/2014 03:00 PM   |
| <b>MOISTURE</b>                      |        |      | <b>A2540 G</b>         |                                |                 | Analyst: <b>TM</b>  |
| Moisture                             | 14     |      | 0.050                  | % of sample                    | 1               | 7/7/2014 02:22 PM   |
| <b>PH</b>                            |        |      | <b>SW9045D</b>         | Prep: EXTRACT / 7/8/14         |                 | Analyst: <b>AT</b>  |
| pH                                   | 8.8    |      |                        | s.u.                           | 1               | 7/8/2014 05:00 PM   |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 11-Jul-14

Client: LT Environmental, Inc

Project: Werner Pad 7.2.14

Sample ID: PB03

Collection Date: 7/2/2014 10:35 AM

Work Order: 1407269

Lab ID: 1407269-03

Matrix: SOIL

| Analyses                                 | Result | Qual | Report Limit           | Units     | Dilution Factor                | Date Analyzed      |
|--|--------|------|------------------------|-----------|--------------------------------|--------------------|
| <b>DIESEL RANGE ORGANICS BY GC-FID</b>   |        |      |                        |           |                                |                    |
|  |        |      | <b>SW8015M</b>         |           | Prep: SW3541 / 7/9/14          | Analyst: <b>IT</b> |
| DRO (C10-C28)                            | ND     |      | 8.9                    | mg/Kg-dry | 1                              | 7/9/2014 10:05 PM  |
| Surr: 4-Terphenyl-d14                    | 91.1   |      | 39-133                 | %REC      | 1                              | 7/9/2014 10:05 PM  |
| <b>GASOLINE RANGE ORGANICS BY GC-FID</b> |        |      |                        |           |                                |                    |
|  |        |      | <b>SW8015</b>          |           | Prep: SW5035 / 7/7/14          | Analyst: <b>IT</b> |
| GRO (C6-C10)                             | ND     |      | 2,800                  | µg/Kg-dry | 1                              | 7/9/2014 09:27 AM  |
| Surr: Toluene-d8                         | 105    |      | 50-150                 | %REC      | 1                              | 7/9/2014 09:27 AM  |
| <b>MERCURY BY CVAA</b>                   |        |      |                        |           |                                |                    |
|  |        |      | <b>SW7471</b>          |           | Prep: SW7471 / 7/9/14          | Analyst: <b>LR</b> |
| Mercury                                  | 0.083  |      | 0.017                  | mg/Kg-dry | 1                              | 7/9/2014 06:46 PM  |
| <b>METALS BY ICP-MS</b>                  |        |      |                        |           |                                |                    |
|  |        |      | <b>SW6020A</b>         |           | Prep: SW3050B / 7/7/14         | Analyst: <b>ML</b> |
| Arsenic                                  | 7.2    |      | 2.0                    | mg/Kg-dry | 5                              | 7/8/2014 08:54 AM  |
| Barium                                   | 210    |      | 2.0                    | mg/Kg-dry | 5                              | 7/8/2014 08:54 AM  |
| Cadmium                                  | ND     |      | 0.82                   | mg/Kg-dry | 5                              | 7/8/2014 08:54 AM  |
| Chromium                                 | 12     |      | 2.0                    | mg/Kg-dry | 5                              | 7/8/2014 08:54 AM  |
| Copper                                   | 20     |      | 2.0                    | mg/Kg-dry | 5                              | 7/8/2014 08:54 AM  |
| Lead                                     | 17     |      | 2.0                    | mg/Kg-dry | 5                              | 7/8/2014 08:54 AM  |
| Nickel                                   | 16     |      | 2.0                    | mg/Kg-dry | 5                              | 7/8/2014 08:54 AM  |
| Selenium                                 | 2.5    |      | 2.0                    | mg/Kg-dry | 5                              | 7/8/2014 08:54 AM  |
| Silver                                   | ND     |      | 2.0                    | mg/Kg-dry | 5                              | 7/8/2014 08:54 AM  |
| Zinc                                     | 78     |      | 4.1                    | mg/Kg-dry | 5                              | 7/8/2014 08:54 AM  |
| <b>SOLUBLE CATIONS FOR SAR</b>           |        |      |                        |           |                                |                    |
|  |        |      | <b>SW6020A</b>         |           | Prep: USDA Method 20B / 7/9/14 | Analyst: <b>ML</b> |
| Calcium                                  | 320    |      | 10                     | mg/L      | 20                             | 7/10/2014 01:13 PM |
| Magnesium                                | 210    |      | 4.0                    | mg/L      | 20                             | 7/10/2014 01:13 PM |
| Sodium                                   | 740    |      | 4.0                    | mg/L      | 20                             | 7/10/2014 01:13 PM |
| <b>SODIUM ADSORPTION RATIO</b>           |        |      |                        |           |                                |                    |
|  |        |      | <b>USDA H60 METHOD</b> |           | Prep: USDA Method 20B / 7/9/14 | Analyst: <b>ML</b> |
| Sodium Adsorption Ratio                  | 7.9    |      | 0.010                  | none      | 1                              | 7/9/2014           |
| <b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>   |        |      |                        |           |                                |                    |
|  |        |      | <b>SW8270</b>          |           | Prep: SW3541 / 7/9/14          | Analyst: <b>RM</b> |
| Acenaphthene                             | ND     |      | 14                     | µg/Kg-dry | 1                              | 7/10/2014 04:09 AM |
| Anthracene                               | ND     |      | 14                     | µg/Kg-dry | 1                              | 7/10/2014 04:09 AM |
| Benzo(a)anthracene                       | 33     |      | 14                     | µg/Kg-dry | 1                              | 7/10/2014 04:09 AM |
| Benzo(a)pyrene                           | ND     |      | 14                     | µg/Kg-dry | 1                              | 7/10/2014 04:09 AM |
| Benzo(b)fluoranthene                     | ND     |      | 14                     | µg/Kg-dry | 1                              | 7/10/2014 04:09 AM |
| Benzo(k)fluoranthene                     | ND     |      | 14                     | µg/Kg-dry | 1                              | 7/10/2014 04:09 AM |
| Chrysene                                 | ND     |      | 14                     | µg/Kg-dry | 1                              | 7/10/2014 04:09 AM |
| Dibenzo(a,h)anthracene                   | ND     |      | 14                     | µg/Kg-dry | 1                              | 7/10/2014 04:09 AM |
| Fluoranthene                             | ND     |      | 14                     | µg/Kg-dry | 1                              | 7/10/2014 04:09 AM |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 11-Jul-14

Client: LT Environmental, Inc

Project: Werner Pad 7.2.14

Sample ID: PB03

Collection Date: 7/2/2014 10:35 AM

Work Order: 1407269

Lab ID: 1407269-03

Matrix: SOIL

| Analyses                             | Result | Qual | Report Limit           | Units                          | Dilution Factor | Date Analyzed       |
|--------------------------------------|--------|------|------------------------|--------------------------------|-----------------|---------------------|
| Fluorene                             | ND     |      | 14                     | µg/Kg-dry                      | 1               | 7/10/2014 04:09 AM  |
| Indeno(1,2,3-cd)pyrene               | ND     |      | 14                     | µg/Kg-dry                      | 1               | 7/10/2014 04:09 AM  |
| Naphthalene                          | ND     |      | 14                     | µg/Kg-dry                      | 1               | 7/10/2014 04:09 AM  |
| Pyrene                               | ND     |      | 14                     | µg/Kg-dry                      | 1               | 7/10/2014 04:09 AM  |
| Surr: 2-Fluorobiphenyl               | 52.5   |      | 12-100                 | %REC                           | 1               | 7/10/2014 04:09 AM  |
| Surr: 4-Terphenyl-d14                | 90.8   |      | 25-137                 | %REC                           | 1               | 7/10/2014 04:09 AM  |
| Surr: Nitrobenzene-d5                | 57.0   |      | 37-107                 | %REC                           | 1               | 7/10/2014 04:09 AM  |
| <b>VOLATILE ORGANIC COMPOUNDS</b>    |        |      | <b>SW8260B</b>         | Prep: SW5035 / 7/7/14          |                 | Analyst: <b>AK</b>  |
| Benzene                              | ND     |      | 34                     | µg/Kg-dry                      | 1               | 7/9/2014 07:19 AM   |
| Ethylbenzene                         | ND     |      | 34                     | µg/Kg-dry                      | 1               | 7/9/2014 07:19 AM   |
| m,p-Xylene                           | ND     |      | 68                     | µg/Kg-dry                      | 1               | 7/9/2014 07:19 AM   |
| o-Xylene                             | ND     |      | 34                     | µg/Kg-dry                      | 1               | 7/9/2014 07:19 AM   |
| Toluene                              | ND     |      | 34                     | µg/Kg-dry                      | 1               | 7/9/2014 07:19 AM   |
| Xylenes, Total                       | ND     |      | 100                    | µg/Kg-dry                      | 1               | 7/9/2014 07:19 AM   |
| Surr: 1,2-Dichloroethane-d4          | 97.8   |      | 70-130                 | %REC                           | 1               | 7/9/2014 07:19 AM   |
| Surr: 4-Bromofluorobenzene           | 99.8   |      | 70-130                 | %REC                           | 1               | 7/9/2014 07:19 AM   |
| Surr: Dibromofluoromethane           | 96.8   |      | 70-130                 | %REC                           | 1               | 7/9/2014 07:19 AM   |
| Surr: Toluene-d8                     | 97.2   |      | 70-130                 | %REC                           | 1               | 7/9/2014 07:19 AM   |
| <b>ELECTRICAL CONDUCTIVITY (SAR)</b> |        |      | <b>USDA H60 METHOD</b> | Prep: USDA Method 20B / 7/9/14 |                 | Analyst: <b>JB</b>  |
| Electrical Conductivity @ Saturation | 7.5    |      | 0.050                  | mmhos/cm @25                   | 10              | 7/10/2014 10:15 AM  |
| <b>CHROMIUM, TRIVALENT</b>           |        |      | <b>CALCULATION</b>     |                                |                 | Analyst: <b>JJG</b> |
| Chromium, Trivalent                  | 11     |      | 0.56                   | mg/Kg-dry                      | 1               | 7/9/2014 10:25 AM   |
| <b>CHROMIUM, HEXAVALENT</b>          |        |      | <b>SW7196A</b>         | Prep: SW3060A / 7/7/14         |                 | Analyst: <b>JJ</b>  |
| Chromium, Hexavalent                 | ND     |      | 0.56                   | mg/Kg-dry                      | 1               | 7/8/2014 03:00 PM   |
| <b>MOISTURE</b>                      |        |      | <b>A2540 G</b>         |                                |                 | Analyst: <b>TM</b>  |
| Moisture                             | 11     |      | 0.050                  | % of sample                    | 1               | 7/7/2014 02:22 PM   |
| <b>PH</b>                            |        |      | <b>SW9045D</b>         | Prep: EXTRACT / 7/8/14         |                 | Analyst: <b>AT</b>  |
| pH                                   | 8.6    |      |                        | s.u.                           | 1               | 7/8/2014 05:00 PM   |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 11-Jul-14

Client: LT Environmental, Inc

Project: Werner Pad 7.2.14

Sample ID: PB04

Collection Date: 7/2/2014 10:40 AM

Work Order: 1407269

Lab ID: 1407269-04

Matrix: SOIL

| Analyses                                 | Result | Qual | Report Limit           | Units     | Dilution Factor                | Date Analyzed      |
|--|--------|------|------------------------|-----------|--------------------------------|--------------------|
| <b>DIESEL RANGE ORGANICS BY GC-FID</b>   |        |      |                        |           |                                |                    |
|  |        |      | <b>SW8015M</b>         |           | Prep: SW3541 / 7/9/14          | Analyst: <b>IT</b> |
| DRO (C10-C28)                            | ND     |      | 4.9                    | mg/Kg-dry | 1                              | 7/9/2014 11:04 PM  |
| Surr: 4-Terphenyl-d14                    | 85.2   |      | 39-133                 | %REC      | 1                              | 7/9/2014 11:04 PM  |
| <b>GASOLINE RANGE ORGANICS BY GC-FID</b> |        |      |                        |           |                                |                    |
|  |        |      | <b>SW8015</b>          |           | Prep: SW5035 / 7/7/14          | Analyst: <b>IT</b> |
| GRO (C6-C10)                             | ND     |      | 3,000                  | µg/Kg-dry | 1                              | 7/9/2014 09:53 AM  |
| Surr: Toluene-d8                         | 106    |      | 50-150                 | %REC      | 1                              | 7/9/2014 09:53 AM  |
| <b>MERCURY BY CVAA</b>                   |        |      |                        |           |                                |                    |
|  |        |      | <b>SW7471</b>          |           | Prep: SW7471 / 7/9/14          | Analyst: <b>LR</b> |
| Mercury                                  | 0.16   |      | 0.017                  | mg/Kg-dry | 1                              | 7/9/2014 06:48 PM  |
| <b>METALS BY ICP-MS</b>                  |        |      |                        |           |                                |                    |
|  |        |      | <b>SW6020A</b>         |           | Prep: SW3050B / 7/7/14         | Analyst: <b>ML</b> |
| Arsenic                                  | 11     |      | 1.9                    | mg/Kg-dry | 5                              | 7/8/2014 09:00 AM  |
| Barium                                   | 140    |      | 1.9                    | mg/Kg-dry | 5                              | 7/8/2014 09:00 AM  |
| Cadmium                                  | ND     |      | 0.75                   | mg/Kg-dry | 5                              | 7/8/2014 09:00 AM  |
| Chromium                                 | 13     |      | 1.9                    | mg/Kg-dry | 5                              | 7/8/2014 09:00 AM  |
| Copper                                   | 25     |      | 1.9                    | mg/Kg-dry | 5                              | 7/8/2014 09:00 AM  |
| Lead                                     | 23     |      | 1.9                    | mg/Kg-dry | 5                              | 7/8/2014 09:00 AM  |
| Nickel                                   | 19     |      | 1.9                    | mg/Kg-dry | 5                              | 7/8/2014 09:00 AM  |
| Selenium                                 | 2.1    |      | 1.9                    | mg/Kg-dry | 5                              | 7/8/2014 09:00 AM  |
| Silver                                   | ND     |      | 1.9                    | mg/Kg-dry | 5                              | 7/8/2014 09:00 AM  |
| Zinc                                     | 87     |      | 3.7                    | mg/Kg-dry | 5                              | 7/8/2014 09:00 AM  |
| <b>SOLUBLE CATIONS FOR SAR</b>           |        |      |                        |           |                                |                    |
|  |        |      | <b>SW6020A</b>         |           | Prep: USDA Method 20B / 7/9/14 | Analyst: <b>ML</b> |
| Calcium                                  | 260    |      | 10                     | mg/L      | 20                             | 7/10/2014 01:19 PM |
| Magnesium                                | 190    |      | 4.0                    | mg/L      | 20                             | 7/10/2014 01:19 PM |
| Sodium                                   | 710    |      | 4.0                    | mg/L      | 20                             | 7/10/2014 01:19 PM |
| <b>SODIUM ADSORPTION RATIO</b>           |        |      |                        |           |                                |                    |
|  |        |      | <b>USDA H60 METHOD</b> |           | Prep: USDA Method 20B / 7/9/14 | Analyst: <b>ML</b> |
| Sodium Adsorption Ratio                  | 8.1    |      | 0.010                  | none      | 1                              | 7/9/2014           |
| <b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>   |        |      |                        |           |                                |                    |
|  |        |      | <b>SW8270</b>          |           | Prep: SW3541 / 7/9/14          | Analyst: <b>RM</b> |
| Acenaphthene                             | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 04:29 AM |
| Anthracene                               | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 04:29 AM |
| Benzo(a)anthracene                       | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 04:29 AM |
| Benzo(a)pyrene                           | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 04:29 AM |
| Benzo(b)fluoranthene                     | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 04:29 AM |
| Benzo(k)fluoranthene                     | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 04:29 AM |
| Chrysene                                 | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 04:29 AM |
| Dibenzo(a,h)anthracene                   | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 04:29 AM |
| Fluoranthene                             | ND     |      | 7.8                    | µg/Kg-dry | 1                              | 7/10/2014 04:29 AM |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 11-Jul-14

Client: LT Environmental, Inc

Project: Werner Pad 7.2.14

Sample ID: PB04

Collection Date: 7/2/2014 10:40 AM

Work Order: 1407269

Lab ID: 1407269-04

Matrix: SOIL

| Analyses                             | Result | Qual | Report Limit           | Units                          | Dilution Factor | Date Analyzed       |
|--------------------------------------|--------|------|------------------------|--------------------------------|-----------------|---------------------|
| Fluorene                             | ND     |      | 7.8                    | µg/Kg-dry                      | 1               | 7/10/2014 04:29 AM  |
| Indeno(1,2,3-cd)pyrene               | ND     |      | 7.8                    | µg/Kg-dry                      | 1               | 7/10/2014 04:29 AM  |
| Naphthalene                          | ND     |      | 7.8                    | µg/Kg-dry                      | 1               | 7/10/2014 04:29 AM  |
| Pyrene                               | ND     |      | 7.8                    | µg/Kg-dry                      | 1               | 7/10/2014 04:29 AM  |
| Surr: 2-Fluorobiphenyl               | 60.2   |      | 12-100                 | %REC                           | 1               | 7/10/2014 04:29 AM  |
| Surr: 4-Terphenyl-d14                | 79.5   |      | 25-137                 | %REC                           | 1               | 7/10/2014 04:29 AM  |
| Surr: Nitrobenzene-d5                | 65.8   |      | 37-107                 | %REC                           | 1               | 7/10/2014 04:29 AM  |
| <b>VOLATILE ORGANIC COMPOUNDS</b>    |        |      | <b>SW8260B</b>         | Prep: SW5035 / 7/7/14          |                 | Analyst: <b>AK</b>  |
| Benzene                              | ND     |      | 36                     | µg/Kg-dry                      | 1               | 7/9/2014 07:43 AM   |
| Ethylbenzene                         | ND     |      | 36                     | µg/Kg-dry                      | 1               | 7/9/2014 07:43 AM   |
| m,p-Xylene                           | ND     |      | 71                     | µg/Kg-dry                      | 1               | 7/9/2014 07:43 AM   |
| o-Xylene                             | ND     |      | 36                     | µg/Kg-dry                      | 1               | 7/9/2014 07:43 AM   |
| Toluene                              | ND     |      | 36                     | µg/Kg-dry                      | 1               | 7/9/2014 07:43 AM   |
| Xylenes, Total                       | ND     |      | 110                    | µg/Kg-dry                      | 1               | 7/9/2014 07:43 AM   |
| Surr: 1,2-Dichloroethane-d4          | 99.6   |      | 70-130                 | %REC                           | 1               | 7/9/2014 07:43 AM   |
| Surr: 4-Bromofluorobenzene           | 100    |      | 70-130                 | %REC                           | 1               | 7/9/2014 07:43 AM   |
| Surr: Dibromofluoromethane           | 96.0   |      | 70-130                 | %REC                           | 1               | 7/9/2014 07:43 AM   |
| Surr: Toluene-d8                     | 97.4   |      | 70-130                 | %REC                           | 1               | 7/9/2014 07:43 AM   |
| <b>ELECTRICAL CONDUCTIVITY (SAR)</b> |        |      | <b>USDA H60 METHOD</b> | Prep: USDA Method 20B / 7/9/14 |                 | Analyst: <b>JB</b>  |
| Electrical Conductivity @ Saturation | 6.5    |      | 0.050                  | mmhos/cm @25                   | 10              | 7/10/2014 10:15 AM  |
| <b>CHROMIUM, TRIVALENT</b>           |        |      | <b>CALCULATION</b>     |                                |                 | Analyst: <b>JJG</b> |
| Chromium, Trivalent                  | 12     |      | 0.59                   | mg/Kg-dry                      | 1               | 7/9/2014 10:25 AM   |
| <b>CHROMIUM, HEXAVALENT</b>          |        |      | <b>SW7196A</b>         | Prep: SW3060A / 7/7/14         |                 | Analyst: <b>JJ</b>  |
| Chromium, Hexavalent                 | ND     |      | 0.59                   | mg/Kg-dry                      | 1               | 7/8/2014 03:00 PM   |
| <b>MOISTURE</b>                      |        |      | <b>A2540 G</b>         |                                |                 | Analyst: <b>TM</b>  |
| Moisture                             | 16     |      | 0.050                  | % of sample                    | 1               | 7/7/2014 02:22 PM   |
| <b>PH</b>                            |        |      | <b>SW9045D</b>         | Prep: EXTRACT / 7/8/14         |                 | Analyst: <b>AT</b>  |
| pH                                   | 8.6    |      |                        | s.u.                           | 1               | 7/8/2014 05:00 PM   |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** LT Environmental, Inc  
**Work Order:** 1407269  
**Project:** Werner Pad 7.2.14

**QC BATCH REPORT**

Batch ID: **60407** Instrument ID **GC8** Method: **SW8015M**

|                       |        |                                      |         |               |      |                       |               |   |           |              |
|-----------------------|--------|--------------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>MBLK</b>           |        | Sample ID: <b>DBLKS1-60407-60407</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>7/9/2014 05:35 PM</b> |           |              |
| Client ID:            |        | Run ID: <b>GC8_140709A</b>           |         |               |      | SeqNo: <b>2842649</b> |               | Prep Date: <b>7/9/2014</b>              |           | DF: <b>1</b> |
| Analyte               | Result | PQL                                  | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |
| DRO (C10-C28)         | ND     | 4.2                                  |         |               |      |                       |               |   |           |              |
| Surr: 4-Terphenyl-d14 | 1.619  | 0                                    | 1.667   | 0             | 97.1 | 39-133                | 0             |   |           |              |

|                       |        |                                      |         |               |      |                       |               |   |           |              |
|-----------------------|--------|--------------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>LCS</b>            |        | Sample ID: <b>DLCSS1-60407-60407</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>7/9/2014 06:05 PM</b> |           |              |
| Client ID:            |        | Run ID: <b>GC8_140709A</b>           |         |               |      | SeqNo: <b>2842650</b> |               | Prep Date: <b>7/9/2014</b>              |           | DF: <b>1</b> |
| Analyte               | Result | PQL                                  | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |
| DRO (C10-C28)         | 134.7  | 4.2                                  | 166.7   | 0             | 80.8 | 61-109                | 0             |   |           |              |
| Surr: 4-Terphenyl-d14 | 1.423  | 0                                    | 1.667   | 0             | 85.4 | 39-133                | 0             |   |           |              |

|                       |        |                                  |         |               |      |                       |               |   |           |              |
|-----------------------|--------|----------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>MS</b>             |        | Sample ID: <b>1407266-05B MS</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>7/9/2014 06:35 PM</b> |           |              |
| Client ID:            |        | Run ID: <b>GC8_140709A</b>       |         |               |      | SeqNo: <b>2842651</b> |               | Prep Date: <b>7/9/2014</b>              |           | DF: <b>1</b> |
| Analyte               | Result | PQL                              | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |
| DRO (C10-C28)         | 314.3  | 8.1                              | 324.7   | 57.57         | 79.1 | 48-110                | 0             |   |           |              |
| Surr: 4-Terphenyl-d14 | 2.773  | 0                                | 3.247   | 0             | 85.4 | 39-133                | 0             |   |           |              |

|                       |        |                                   |         |               |      |                       |               |   |           |              |
|-----------------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>MSD</b>            |        | Sample ID: <b>1407266-05B MSD</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>7/9/2014 07:05 PM</b> |           |              |
| Client ID:            |        | Run ID: <b>GC8_140709A</b>        |         |               |      | SeqNo: <b>2842652</b> |               | Prep Date: <b>7/9/2014</b>              |           | DF: <b>1</b> |
| Analyte               | Result | PQL                               | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |
| DRO (C10-C28)         | 330.5  | 8.3                               | 331.1   | 57.57         | 82.4 | 48-110                | 314.3         | 5.04                                    | 30        |              |
| Surr: 4-Terphenyl-d14 | 3.064  | 0                                 | 3.311   | 0             | 92.5 | 39-133                | 2.773         | 9.98                                    | 30        |              |

The following samples were analyzed in this batch:

|             |             |             |
|-------------|-------------|-------------|
| 1407269-01B | 1407269-02B | 1407269-03B |
| 1407269-04B |             |             |

Client: LT Environmental, Inc  
 Work Order: 1407269  
 Project: Werner Pad 7.2.14

## QC BATCH REPORT

Batch ID: **60339** Instrument ID **GC9** Method: **SW8015**

|                  |        |                                    |         |               |      |                       |               |   |           |              |
|------------------|--------|------------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>MBLK</b>      |        | Sample ID: <b>MBLK-60339-60339</b> |         |               |      | Units: <b>µg/Kg</b>   |               | Analysis Date: <b>7/7/2014 03:09 PM</b> |           |              |
| Client ID:       |        | Run ID: <b>GC9_140707A</b>         |         |               |      | SeqNo: <b>2839863</b> |               | Prep Date: <b>7/7/2014</b>              |           | DF: <b>1</b> |
| Analyte          | Result | PQL                                | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |
| GRO (C6-C10)     | ND     | 2,500                              |         |               |      |                       |               |   |           |              |
| Surr: Toluene-d8 | 5504   | 0                                  | 5000    | 0             | 110  | 50-150                | 0             |   |           |              |

|                  |        |                                    |         |               |      |                       |               |  |           |              |
|------------------|--------|------------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| <b>MBLK</b>      |        | Sample ID: <b>MBLK-60339-60339</b> |         |               |      | Units: <b>µg/Kg</b>   |               | Analysis Date: <b>7/10/2014 12:28 PM</b> |           |              |
| Client ID:       |        | Run ID: <b>GC9_140710A</b>         |         |               |      | SeqNo: <b>2843304</b> |               | Prep Date: <b>7/7/2014</b>               |           | DF: <b>1</b> |
| Analyte          | Result | PQL                                | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |
| GRO (C6-C10)     | ND     | 2,500                              |         |               |      |                       |               |  |           |              |
| Surr: Toluene-d8 | 4775   | 0                                  | 5000    | 0             | 95.5 | 50-150                | 0             |  |           |              |

|                  |        |                                   |         |               |      |                       |               |   |           |              |
|------------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>LCS</b>       |        | Sample ID: <b>LCS-60339-60339</b> |         |               |      | Units: <b>µg/Kg</b>   |               | Analysis Date: <b>7/7/2014 02:44 PM</b> |           |              |
| Client ID:       |        | Run ID: <b>GC9_140707A</b>        |         |               |      | SeqNo: <b>2839862</b> |               | Prep Date: <b>7/7/2014</b>              |           | DF: <b>1</b> |
| Analyte          | Result | PQL                               | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |
| GRO (C6-C10)     | 382500 | 2,500                             | 500000  | 0             | 76.5 | 70-130                | 0             |   |           |              |
| Surr: Toluene-d8 | 4717   | 0                                 | 5000    | 0             | 94.3 | 50-150                | 0             |   |           |              |

|                  |        |                                   |         |               |      |                       |               |  |           |              |
|------------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| <b>LCS</b>       |        | Sample ID: <b>LCS-60339-60339</b> |         |               |      | Units: <b>µg/Kg</b>   |               | Analysis Date: <b>7/10/2014 12:02 PM</b> |           |              |
| Client ID:       |        | Run ID: <b>GC9_140710A</b>        |         |               |      | SeqNo: <b>2843303</b> |               | Prep Date: <b>7/7/2014</b>               |           | DF: <b>1</b> |
| Analyte          | Result | PQL                               | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |
| GRO (C6-C10)     | 527400 | 2,500                             | 500000  | 0             | 105  | 70-130                | 0             |  |           |              |
| Surr: Toluene-d8 | 4541   | 0                                 | 5000    | 0             | 90.8 | 50-150                | 0             |  |           |              |

|                  |        |                                  |         |               |      |                       |               |   |           |              |
|------------------|--------|----------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>MS</b>        |        | Sample ID: <b>1407242-01A MS</b> |         |               |      | Units: <b>µg/Kg</b>   |               | Analysis Date: <b>7/7/2014 04:01 PM</b> |           |              |
| Client ID:       |        | Run ID: <b>GC9_140707A</b>       |         |               |      | SeqNo: <b>2839865</b> |               | Prep Date: <b>7/7/2014</b>              |           | DF: <b>1</b> |
| Analyte          | Result | PQL                              | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |
| GRO (C6-C10)     | 467500 | 2,500                            | 500000  | 0             | 93.5 | 70-130                | 0             |   |           |              |
| Surr: Toluene-d8 | 5501   | 0                                | 5000    | 0             | 110  | 50-150                | 0             |   |           |              |

|                  |        |                                   |         |               |      |                       |               |   |           |              |
|------------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>MSD</b>       |        | Sample ID: <b>1407242-01A MSD</b> |         |               |      | Units: <b>µg/Kg</b>   |               | Analysis Date: <b>7/7/2014 04:27 PM</b> |           |              |
| Client ID:       |        | Run ID: <b>GC9_140707A</b>        |         |               |      | SeqNo: <b>2839866</b> |               | Prep Date: <b>7/7/2014</b>              |           | DF: <b>1</b> |
| Analyte          | Result | PQL                               | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |
| GRO (C6-C10)     | 519500 | 2,500                             | 500000  | 0             | 104  | 70-130                | 467500        | 10.5                                    | 30        |              |
| Surr: Toluene-d8 | 5041   | 0                                 | 5000    | 0             | 101  | 50-150                | 5501          | 8.73                                    | 30        |              |

The following samples were analyzed in this batch:

|             |             |             |
|-------------|-------------|-------------|
| 1407269-01A | 1407269-02A | 1407269-03A |
| 1407269-04A |             |             |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental, Inc  
**Work Order:** 1407269  
**Project:** Werner Pad 7.2.14

## QC BATCH REPORT

Batch ID: **60420**      Instrument ID **HG1**      Method: **SW7471**

|             |        |                                    |         |               |      |                       |               |   |           |              |
|-------------|--------|------------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>MBLK</b> |        | Sample ID: <b>MBLK-60420-60420</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>7/9/2014 05:42 PM</b> |           |              |
| Client ID:  |        | Run ID: <b>HG1_140709A</b>         |         |               |      | SeqNo: <b>2842180</b> |               | Prep Date: <b>7/9/2014</b>              |           | DF: <b>1</b> |
| Analyte     | Result | PQL                                | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |

Mercury      ND      0.020

|            |        |                                   |         |               |      |                       |               |   |           |              |
|------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>LCS</b> |        | Sample ID: <b>LCS-60420-60420</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>7/9/2014 05:44 PM</b> |           |              |
| Client ID: |        | Run ID: <b>HG1_140709A</b>        |         |               |      | SeqNo: <b>2842181</b> |               | Prep Date: <b>7/9/2014</b>              |           | DF: <b>1</b> |
| Analyte    | Result | PQL                               | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |

Mercury      0.1779      0.020      0.1665      0      107      80-120      0

|            |        |                                 |         |               |      |                       |               |   |           |              |
|------------|--------|---------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>MS</b>  |        | Sample ID: <b>1407253-02AMS</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>7/9/2014 06:10 PM</b> |           |              |
| Client ID: |        | Run ID: <b>HG1_140709A</b>      |         |               |      | SeqNo: <b>2842192</b> |               | Prep Date: <b>7/9/2014</b>              |           | DF: <b>1</b> |
| Analyte    | Result | PQL                             | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |

Mercury      0.1528      0.015      0.1287      0.01222      109      75-125      0

|            |        |                                  |         |               |      |                       |               |   |           |              |
|------------|--------|----------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>MSD</b> |        | Sample ID: <b>1407253-02AMSD</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>7/9/2014 06:12 PM</b> |           |              |
| Client ID: |        | Run ID: <b>HG1_140709A</b>       |         |               |      | SeqNo: <b>2842193</b> |               | Prep Date: <b>7/9/2014</b>              |           | DF: <b>1</b> |
| Analyte    | Result | PQL                              | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |

Mercury      0.1559      0.016      0.1304      0.01222      110      75-125      0.1528      2.05      35

The following samples were analyzed in this batch:

|             |             |             |
|-------------|-------------|-------------|
| 1407269-01B | 1407269-02B | 1407269-03B |
| 1407269-04B |             |             |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental, Inc  
**Work Order:** 1407269  
**Project:** Werner Pad 7.2.14

## QC BATCH REPORT

Batch ID: **60341** Instrument ID **ICPMS1** Method: **SW6020A**

| Sample ID: <b>MBLK-60341-60341</b> |          |                               |         | Units: <b>mg/Kg</b> |                       |               | Analysis Date: <b>7/8/2014 05:49 AM</b> |      |              |      |
|------------------------------------|----------|-------------------------------|---------|---------------------|-----------------------|---------------|---|------|--------------|------|
| Client ID:                         |          | Run ID: <b>ICPMS1_140707A</b> |         |                     | SeqNo: <b>2839511</b> |               | Prep Date: <b>7/7/2014</b>              |      | DF: <b>1</b> |      |
| Analyte                            | Result   | PQL                           | SPK Val | SPK Ref Value       | %REC                  | Control Limit | RPD Ref Value                           | %RPD | RPD Limit    | Qual |
| Arsenic                            | ND       | 0.25                          |         |                     |                       |               |   |      |              |      |
| Barium                             | 0.02788  | 0.25                          |         |                     |                       |               |   |      |              | J    |
| Cadmium                            | ND       | 0.10                          |         |                     |                       |               |   |      |              |      |
| Chromium                           | ND       | 0.25                          |         |                     |                       |               |   |      |              |      |
| Copper                             | ND       | 0.25                          |         |                     |                       |               |   |      |              |      |
| Lead                               | 0.001614 | 0.25                          |         |                     |                       |               |   |      |              | J    |
| Nickel                             | 0.04142  | 0.25                          |         |                     |                       |               |   |      |              | J    |
| Selenium                           | ND       | 0.25                          |         |                     |                       |               |   |      |              |      |
| Silver                             | ND       | 0.25                          |         |                     |                       |               |   |      |              |      |
| Zinc                               | 0.1451   | 0.50                          |         |                     |                       |               |   |      |              | J    |

| LCS        |        |      |                        | Sample ID: LCS-60341-60341 |      |               |               | Units:mg/Kg |           |                     | Analysis Date: 7/8/2014 05:56 AM |       |  |
|------------|--------|------|------------------------|----------------------------|------|---------------|---------------|-------------|-----------|---------------------|----------------------------------|-------|--|
| Client ID: |        |      | Run ID: ICPMS1_140707A |                            |      |               | SeqNo:2839512 |             |           | Prep Date: 7/7/2014 |                                  | DF: 1 |  |
| Analyte    | Result | PQL  | SPK Val                | SPK Ref Value              | %REC | Control Limit | RPD Ref Value | %RPD        | RPD Limit | Qual                |                                  |       |  |
| Arsenic    | 4.255  | 0.25 | 5                      | 0                          | 85.1 | 80-120        | 0             |             |           |                     |                                  |       |  |
| Barium     | 4.596  | 0.25 | 5                      | 0                          | 91.9 | 80-120        | 0             |             |           |                     |                                  |       |  |
| Cadmium    | 4.576  | 0.10 | 5                      | 0                          | 91.5 | 80-120        | 0             |             |           |                     |                                  |       |  |
| Chromium   | 4.619  | 0.25 | 5                      | 0                          | 92.4 | 80-120        | 0             |             |           |                     |                                  |       |  |
| Copper     | 4.434  | 0.25 | 5                      | 0                          | 88.7 | 80-120        | 0             |             |           |                     |                                  |       |  |
| Lead       | 4.526  | 0.25 | 5                      | 0                          | 90.5 | 80-120        | 0             |             |           |                     |                                  |       |  |
| Nickel     | 4.496  | 0.25 | 5                      | 0                          | 89.9 | 80-120        | 0             |             |           |                     |                                  |       |  |
| Selenium   | 4.631  | 0.25 | 5                      | 0                          | 92.6 | 80-120        | 0             |             |           |                     |                                  |       |  |
| Silver     | 4.614  | 0.25 | 5                      | 0                          | 92.3 | 80-120        | 0             |             |           |                     |                                  |       |  |
| Zinc       | 4.652  | 0.50 | 5                      | 0                          | 93   | 80-120        | 0             |             |           |                     |                                  |       |  |

| MS         |        |      |                        |               | Sample ID: 1407266-01AMS |               |               | Units:mg/Kg         |           | Analysis Date: 7/8/2014 07:25 AM |  |  |
|------------|--------|------|------------------------|---------------|--------------------------|---------------|---------------|---------------------|-----------|----------------------------------|--|--|
| Client ID: |        |      | Run ID: ICPMS1_140707A |               |                          | SeqNo:2839526 |               | Prep Date: 7/7/2014 |           | DF: 5                            |  |  |
| Analyte    | Result | PQL  | SPK Val                | SPK Ref Value | %REC                     | Control Limit | RPD Ref Value | %RPD                | RPD Limit | Qual                             |  |  |
| Arsenic    | 8.53   | 1.9  | 7.463                  | 2.231         | 84.4                     | 75-125        | 0             |                     |           |                                  |  |  |
| Barium     | 111.3  | 1.9  | 7.463                  | 97.41         | 186                      | 75-125        | 0             |                     |           | SO                               |  |  |
| Cadmium    | 6.892  | 0.75 | 7.463                  | 0.1666        | 90.1                     | 75-125        | 0             |                     |           |                                  |  |  |
| Chromium   | 16.89  | 1.9  | 7.463                  | 8.178         | 117                      | 75-125        | 0             |                     |           |                                  |  |  |
| Copper     | 13.75  | 1.9  | 7.463                  | 7.226         | 87.5                     | 75-125        | 0             |                     |           |                                  |  |  |
| Lead       | 14.66  | 1.9  | 7.463                  | 8.27          | 85.6                     | 75-125        | 0             |                     |           |                                  |  |  |
| Nickel     | 14.27  | 1.9  | 7.463                  | 7.407         | 92                       | 75-125        | 0             |                     |           |                                  |  |  |
| Selenium   | 7.302  | 1.9  | 7.463                  | 1.053         | 83.7                     | 75-125        | 0             |                     |           |                                  |  |  |
| Silver     | 6.481  | 1.9  | 7.463                  | 0.01353       | 86.7                     | 75-125        | 0             |                     |           |                                  |  |  |
| Zinc       | 37.26  | 3.7  | 7.463                  | 28.96         | 111                      | 75-125        | 0             |                     |           |                                  |  |  |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** LT Environmental, Inc  
**Work Order:** 1407269  
**Project:** Werner Pad 7.2.14

## QC BATCH REPORT

Batch ID: **60341**      Instrument ID **ICPMS1**      Method: **SW6020A**

| MSD        |        | Sample ID: <b>1407266-01AMSD</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>7/8/2014 07:32 AM</b> |           |              |
|------------|--------|----------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| Client ID: |        | Run ID: <b>ICPMS1_140707A</b>    |         |               |      | SeqNo: <b>2839527</b> |               | Prep Date: <b>7/7/2014</b>              |           | DF: <b>5</b> |
| Analyte    | Result | PQL                              | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |
| Arsenic    | 8.684  | 1.9                              | 7.541   | 2.231         | 85.6 | 75-125                | 8.53          | 1.79                                    | 25        |              |
| Barium     | 103.7  | 1.9                              | 7.541   | 97.41         | 83.4 | 75-125                | 111.3         | 7.08                                    | 25        | O            |
| Cadmium    | 7.078  | 0.75                             | 7.541   | 0.1666        | 91.6 | 75-125                | 6.892         | 2.66                                    | 25        |              |
| Chromium   | 16.4   | 1.9                              | 7.541   | 8.178         | 109  | 75-125                | 16.89         | 2.94                                    | 25        |              |
| Copper     | 13.58  | 1.9                              | 7.541   | 7.226         | 84.3 | 75-125                | 13.75         | 1.25                                    | 25        |              |
| Lead       | 14.54  | 1.9                              | 7.541   | 8.27          | 83.1 | 75-125                | 14.66         | 0.826                                   | 25        |              |
| Nickel     | 13.73  | 1.9                              | 7.541   | 7.407         | 83.8 | 75-125                | 14.27         | 3.88                                    | 25        |              |
| Selenium   | 7.108  | 1.9                              | 7.541   | 1.053         | 80.3 | 75-125                | 7.302         | 2.7                                     | 25        |              |
| Silver     | 6.678  | 1.9                              | 7.541   | 0.01353       | 88.4 | 75-125                | 6.481         | 2.99                                    | 25        |              |
| Zinc       | 36.73  | 3.8                              | 7.541   | 28.96         | 103  | 75-125                | 37.26         | 1.43                                    | 25        |              |

The following samples were analyzed in this batch:

|             |             |             |
|-------------|-------------|-------------|
| 1407269-01B | 1407269-02B | 1407269-03B |
| 1407269-04B |             |             |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental, Inc  
**Work Order:** 1407269  
**Project:** Werner Pad 7.2.14

## QC BATCH REPORT

Batch ID: **60348**      Instrument ID **ICPMS2**      Method: **SW6020A**

| DUP        |        | Sample ID: <b>1407242-01CDUP</b> |         |               |      | Units: <b>mg/L</b>    |               | Analysis Date: <b>7/9/2014 03:45 PM</b> |           |               |
|------------|--------|----------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|---------------|
| Client ID: |        | Run ID: <b>ICPMS2_140709A</b>    |         |               |      | SeqNo: <b>2842312</b> |               | Prep Date: <b>7/9/2014</b>              |           | DF: <b>20</b> |
| Analyte    | Result | PQL                              | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual          |
| Calcium    | 12.21  | 10                               | 0       | 0             | 0    | 0-0                   | 12.03         | 1.5                                     |           |               |
| Magnesium  | 22.04  | 4.0                              | 0       | 0             | 0    | 0-0                   | 23.42         | 6.07                                    |           |               |
| Sodium     | 652.8  | 4.0                              | 0       | 0             | 0    | 0-0                   | 680.2         | 4.11                                    |           |               |

| DUP                     |        | Sample ID: <b>1407242-01CDUP</b> |         |               |      | Units: <b>none</b>    |               | Analysis Date: <b>7/9/2014</b> |           |              |
|-------------------------|--------|----------------------------------|---------|---------------|------|-----------------------|---------------|--------------------------------|-----------|--------------|
| Client ID:              |        | Run ID: <b>SAR_140709A</b>       |         |               |      | SeqNo: <b>2843069</b> |               | Prep Date: <b>7/9/2014</b>     |           | DF: <b>1</b> |
| Analyte                 | Result | PQL                              | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                           | RPD Limit | Qual         |
| Sodium Adsorption Ratio | 25.8   | 0.010                            | 0       | 0             | 0    |                       | 26.32         | 2                              | 50        |              |

The following samples were analyzed in this batch:

|             |             |             |
|-------------|-------------|-------------|
| 1407269-01C | 1407269-02C | 1407269-03C |
| 1407269-04C |             |             |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: LT Environmental, Inc  
 Work Order: 1407269  
 Project: Werner Pad 7.2.14

## QC BATCH REPORT

Batch ID: 60406 Instrument ID SVMS6 Method: SW8270

| MBLK                   |        | Sample ID: SBLKS1-60406-60406 |         |               |      | Units: µg/Kg   |               | Analysis Date: 7/10/2014 02:50 AM |           |       |
|------------------------|--------|-------------------------------|---------|---------------|------|----------------|---------------|-----------------------------------|-----------|-------|
| Client ID:             |        | Run ID: SVMS6_140709A         |         |               |      | SeqNo: 2843664 |               | Prep Date: 7/9/2014               |           | DF: 1 |
| Analyte                | Result | PQL                           | SPK Val | SPK Ref Value | %REC | Control Limit  | RPD Ref Value | %RPD                              | RPD Limit | Qual  |
| Acenaphthene           | ND     | 6.7                           |         |               |      |                |               |                                   |           |       |
| Anthracene             | ND     | 6.7                           |         |               |      |                |               |                                   |           |       |
| Benzo(a)anthracene     | ND     | 6.7                           |         |               |      |                |               |                                   |           |       |
| Benzo(a)pyrene         | ND     | 6.7                           |         |               |      |                |               |                                   |           |       |
| Benzo(b)fluoranthene   | ND     | 6.7                           |         |               |      |                |               |                                   |           |       |
| Benzo(k)fluoranthene   | ND     | 6.7                           |         |               |      |                |               |                                   |           |       |
| Chrysene               | ND     | 6.7                           |         |               |      |                |               |                                   |           |       |
| Dibenzo(a,h)anthracene | ND     | 6.7                           |         |               |      |                |               |                                   |           |       |
| Fluoranthene           | ND     | 6.7                           |         |               |      |                |               |                                   |           |       |
| Fluorene               | ND     | 6.7                           |         |               |      |                |               |                                   |           |       |
| Indeno(1,2,3-cd)pyrene | ND     | 6.7                           |         |               |      |                |               |                                   |           |       |
| Naphthalene            | ND     | 6.7                           |         |               |      |                |               |                                   |           |       |
| Pyrene                 | ND     | 6.7                           |         |               |      |                |               |                                   |           |       |
| Surr: 2-Fluorobiphenyl | 1268   | 0                             | 1667    | 0             | 76.1 | 12-100         | 0             |                                   |           |       |
| Surr: 4-Terphenyl-d14  | 1741   | 0                             | 1667    | 0             | 104  | 25-137         | 0             |                                   |           |       |
| Surr: Nitrobenzene-d5  | 1036   | 0                             | 1667    | 0             | 62.2 | 37-107         | 0             |                                   |           |       |

| LCS                    |        | Sample ID: SLCSS1-60406-60406 |         |               |      | Units: µg/Kg   |               | Analysis Date: 7/10/2014 03:11 AM |           |       |
|------------------------|--------|-------------------------------|---------|---------------|------|----------------|---------------|-----------------------------------|-----------|-------|
| Client ID:             |        | Run ID: SVMS6_140709A         |         |               |      | SeqNo: 2843665 |               | Prep Date: 7/9/2014               |           | DF: 1 |
| Analyte                | Result | PQL                           | SPK Val | SPK Ref Value | %REC | Control Limit  | RPD Ref Value | %RPD                              | RPD Limit | Qual  |
| Acenaphthene           | 507.7  | 6.7                           | 666.7   | 0             | 76.1 | 45-110         | 0             |                                   |           |       |
| Anthracene             | 597.3  | 6.7                           | 666.7   | 0             | 89.6 | 55-105         | 0             |                                   |           |       |
| Benzo(a)anthracene     | 607.7  | 6.7                           | 666.7   | 0             | 91.1 | 50-110         | 0             |                                   |           |       |
| Benzo(a)pyrene         | 615.3  | 6.7                           | 666.7   | 0             | 92.3 | 50-110         | 0             |                                   |           |       |
| Benzo(b)fluoranthene   | 617.7  | 6.7                           | 666.7   | 0             | 92.6 | 45-115         | 0             |                                   |           |       |
| Benzo(k)fluoranthene   | 567    | 6.7                           | 666.7   | 0             | 85   | 45-115         | 0             |                                   |           |       |
| Chrysene               | 580.7  | 6.7                           | 666.7   | 0             | 87.1 | 55-110         | 0             |                                   |           |       |
| Dibenzo(a,h)anthracene | 633.3  | 6.7                           | 666.7   | 0             | 95   | 40-125         | 0             |                                   |           |       |
| Fluoranthene           | 597.3  | 6.7                           | 666.7   | 0             | 89.6 | 55-115         | 0             |                                   |           |       |
| Fluorene               | 544.7  | 6.7                           | 666.7   | 0             | 81.7 | 50-110         | 0             |                                   |           |       |
| Indeno(1,2,3-cd)pyrene | 648    | 6.7                           | 666.7   | 0             | 97.2 | 40-120         | 0             |                                   |           |       |
| Naphthalene            | 509    | 6.7                           | 666.7   | 0             | 76.3 | 40-105         | 0             |                                   |           |       |
| Pyrene                 | 654    | 6.7                           | 666.7   | 0             | 98.1 | 45-125         | 0             |                                   |           |       |
| Surr: 2-Fluorobiphenyl | 1377   | 0                             | 1667    | 0             | 82.6 | 12-100         | 0             |                                   |           |       |
| Surr: 4-Terphenyl-d14  | 1818   | 0                             | 1667    | 0             | 109  | 25-137         | 0             |                                   |           |       |
| Surr: Nitrobenzene-d5  | 1177   | 0                             | 1667    | 0             | 70.6 | 37-107         | 0             |                                   |           |       |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: LT Environmental, Inc  
 Work Order: 1407269  
 Project: Werner Pad 7.2.14

## QC BATCH REPORT

Batch ID: 60406 Instrument ID SVMS6 Method: SW8270

| MS                     |        |                       |         | Sample ID: 1407260-06B MS |                |               | Units: µg/Kg        |      | Analysis Date: 7/10/2014 03:31 AM |      |
|------------------------|--------|-----------------------|---------|---------------------------|----------------|---------------|---------------------|------|-----------------------------------|------|
| Client ID:             |        | Run ID: SVMS6_140709A |         |                           | SeqNo: 2843666 |               | Prep Date: 7/9/2014 |      | DF: 1                             |      |
| Analyte                | Result | PQL                   | SPK Val | SPK Ref Value             | %REC           | Control Limit | RPD Ref Value       | %RPD | RPD Limit                         | Qual |
| Acenaphthene           | 1022   | 13                    | 1267    | 109.9                     | 71.9           | 45-110        | 0                   |      |                                   |      |
| Anthracene             | 1110   | 13                    | 1267    | 30.02                     | 85.2           | 55-105        | 0                   |      |                                   |      |
| Benzo(a)anthracene     | 1057   | 13                    | 1267    | 19.46                     | 81.9           | 50-110        | 0                   |      |                                   |      |
| Benzo(a)pyrene         | 1101   | 13                    | 1267    | 62.68                     | 82             | 50-110        | 0                   |      |                                   |      |
| Benzo(b)fluoranthene   | 1104   | 13                    | 1267    | 57.73                     | 82.5           | 45-115        | 0                   |      |                                   |      |
| Benzo(k)fluoranthene   | 1024   | 13                    | 1267    | 28.7                      | 78.5           | 45-115        | 0                   |      |                                   |      |
| Chrysene               | 1011   | 13                    | 1267    | 13.2                      | 78.8           | 55-110        | 0                   |      |                                   |      |
| Dibenzo(a,h)anthracene | 1125   | 13                    | 1267    | 36.29                     | 85.9           | 40-125        | 0                   |      |                                   |      |
| Fluoranthene           | 1042   | 13                    | 1267    | 7.918                     | 81.6           | 55-115        | 0                   |      |                                   |      |
| Fluorene               | 1029   | 13                    | 1267    | 180.5                     | 66.9           | 50-110        | 0                   |      |                                   |      |
| Indeno(1,2,3-cd)pyrene | 1180   | 13                    | 1267    | 78.19                     | 86.9           | 40-120        | 0                   |      |                                   |      |
| Naphthalene            | 970.2  | 13                    | 1267    | 148.5                     | 64.8           | 40-105        | 0                   |      |                                   |      |
| Pyrene                 | 1138   | 13                    | 1267    | 34.64                     | 87.1           | 45-125        | 0                   |      |                                   |      |
| Surr: 2-Fluorobiphenyl | 2247   | 0                     | 3169    | 0                         | 70.9           | 12-100        | 0                   |      |                                   |      |
| Surr: 4-Terphenyl-d14  | 3189   | 0                     | 3169    | 0                         | 101            | 25-137        | 0                   |      |                                   |      |
| Surr: Nitrobenzene-d5  | 1805   | 0                     | 3169    | 0                         | 57             | 37-107        | 0                   |      |                                   |      |

| MSD                    |        |                       |         | Sample ID: 1407260-06B MSD |                |               | Units: µg/Kg        |       | Analysis Date: 7/10/2014 03:52 AM |      |
|------------------------|--------|-----------------------|---------|----------------------------|----------------|---------------|---------------------|-------|-----------------------------------|------|
| Client ID:             |        | Run ID: SVMS6_140709A |         |                            | SeqNo: 2843667 |               | Prep Date: 7/9/2014 |       | DF: 1                             |      |
| Analyte                | Result | PQL                   | SPK Val | SPK Ref Value              | %REC           | Control Limit | RPD Ref Value       | %RPD  | RPD Limit                         | Qual |
| Acenaphthene           | 1107   | 13                    | 1316    | 109.9                      | 75.8           | 45-110        | 1022                | 8.07  | 30                                |      |
| Anthracene             | 1191   | 13                    | 1316    | 30.02                      | 88.2           | 55-105        | 1110                | 7.02  | 30                                |      |
| Benzo(a)anthracene     | 1103   | 13                    | 1316    | 19.46                      | 82.3           | 50-110        | 1057                | 4.24  | 30                                |      |
| Benzo(a)pyrene         | 1159   | 13                    | 1316    | 62.68                      | 83.3           | 50-110        | 1101                | 5.08  | 30                                |      |
| Benzo(b)fluoranthene   | 1152   | 13                    | 1316    | 57.73                      | 83.2           | 45-115        | 1104                | 4.28  | 30                                |      |
| Benzo(k)fluoranthene   | 1075   | 13                    | 1316    | 28.7                       | 79.5           | 45-115        | 1024                | 4.87  | 30                                |      |
| Chrysene               | 1064   | 13                    | 1316    | 13.2                       | 79.8           | 55-110        | 1011                | 5.07  | 30                                |      |
| Dibenzo(a,h)anthracene | 1169   | 13                    | 1316    | 36.29                      | 86.1           | 40-125        | 1125                | 3.88  | 30                                |      |
| Fluoranthene           | 1123   | 13                    | 1316    | 7.918                      | 84.7           | 55-115        | 1042                | 7.4   | 30                                |      |
| Fluorene               | 1119   | 13                    | 1316    | 180.5                      | 71.3           | 50-110        | 1029                | 8.39  | 30                                |      |
| Indeno(1,2,3-cd)pyrene | 1220   | 13                    | 1316    | 78.19                      | 86.8           | 40-120        | 1180                | 3.33  | 30                                |      |
| Naphthalene            | 986.4  | 13                    | 1316    | 148.5                      | 63.7           | 40-105        | 970.2               | 1.65  | 30                                |      |
| Pyrene                 | 1211   | 13                    | 1316    | 34.64                      | 89.4           | 45-125        | 1138                | 6.24  | 30                                |      |
| Surr: 2-Fluorobiphenyl | 2424   | 0                     | 3290    | 0                          | 73.7           | 12-100        | 2247                | 7.61  | 40                                |      |
| Surr: 4-Terphenyl-d14  | 3377   | 0                     | 3290    | 0                          | 103            | 25-137        | 3189                | 5.71  | 40                                |      |
| Surr: Nitrobenzene-d5  | 1795   | 0                     | 3290    | 0                          | 54.6           | 37-107        | 1805                | 0.575 | 40                                |      |

The following samples were analyzed in this batch:

1407269-01B 1407269-02B 1407269-03B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: LT Environmental, Inc  
 Work Order: 1407269  
 Project: Werner Pad 7.2.14

## QC BATCH REPORT

Batch ID: **60415** Instrument ID **SVMS8** Method: **SW8270**

| MBLK                   |        | Sample ID: <b>SBLKS1-60415-60415</b> |         |               |      | Units: <b>µg/Kg</b>   |               | Analysis Date: <b>7/10/2014 02:28 AM</b> |           |              |
|------------------------|--------|--------------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID:             |        | Run ID: <b>SVMS8_140709A</b>         |         |               |      | SeqNo: <b>2843514</b> |               | Prep Date: <b>7/9/2014</b>               |           | DF: <b>1</b> |
| Analyte                | Result | PQL                                  | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |
| Acenaphthene           | ND     | 6.7                                  |         |               |      |                       |               |  |           |              |
| Anthracene             | ND     | 6.7                                  |         |               |      |                       |               |  |           |              |
| Benzo(a)anthracene     | ND     | 6.7                                  |         |               |      |                       |               |  |           |              |
| Benzo(a)pyrene         | ND     | 6.7                                  |         |               |      |                       |               |  |           |              |
| Benzo(b)fluoranthene   | ND     | 6.7                                  |         |               |      |                       |               |  |           |              |
| Benzo(k)fluoranthene   | ND     | 6.7                                  |         |               |      |                       |               |  |           |              |
| Chrysene               | ND     | 6.7                                  |         |               |      |                       |               |  |           |              |
| Dibenzo(a,h)anthracene | ND     | 6.7                                  |         |               |      |                       |               |  |           |              |
| Fluoranthene           | ND     | 6.7                                  |         |               |      |                       |               |  |           |              |
| Fluorene               | ND     | 6.7                                  |         |               |      |                       |               |  |           |              |
| Indeno(1,2,3-cd)pyrene | ND     | 6.7                                  |         |               |      |                       |               |  |           |              |
| Naphthalene            | ND     | 6.7                                  |         |               |      |                       |               |  |           |              |
| Pyrene                 | ND     | 6.7                                  |         |               |      |                       |               |  |           |              |
| Surr: 2-Fluorobiphenyl | 1099   | 0                                    | 1667    | 0             | 65.9 | 12-100                | 0             |  |           |              |
| Surr: 4-Terphenyl-d14  | 1624   | 0                                    | 1667    | 0             | 97.5 | 25-137                | 0             |  |           |              |
| Surr: Nitrobenzene-d5  | 1176   | 0                                    | 1667    | 0             | 70.6 | 37-107                | 0             |  |           |              |

| LCS                    |        | Sample ID: <b>SLCSS1-60415-60415</b> |         |               |      | Units: <b>µg/Kg</b>   |               | Analysis Date: <b>7/10/2014 02:48 AM</b> |           |              |
|------------------------|--------|--------------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID:             |        | Run ID: <b>SVMS8_140709A</b>         |         |               |      | SeqNo: <b>2843515</b> |               | Prep Date: <b>7/9/2014</b>               |           | DF: <b>1</b> |
| Analyte                | Result | PQL                                  | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |
| Acenaphthene           | 383    | 6.7                                  | 666.7   | 0             | 57.4 | 45-110                | 0             |  |           |              |
| Anthracene             | 544    | 6.7                                  | 666.7   | 0             | 81.6 | 55-105                | 0             |  |           |              |
| Benzo(a)anthracene     | 563.7  | 6.7                                  | 666.7   | 0             | 84.5 | 50-110                | 0             |  |           |              |
| Benzo(a)pyrene         | 631    | 6.7                                  | 666.7   | 0             | 94.6 | 50-110                | 0             |  |           |              |
| Benzo(b)fluoranthene   | 609.7  | 6.7                                  | 666.7   | 0             | 91.4 | 45-115                | 0             |  |           |              |
| Benzo(k)fluoranthene   | 545    | 6.7                                  | 666.7   | 0             | 81.7 | 45-115                | 0             |  |           |              |
| Chrysene               | 547.7  | 6.7                                  | 666.7   | 0             | 82.1 | 55-110                | 0             |  |           |              |
| Dibenzo(a,h)anthracene | 616.7  | 6.7                                  | 666.7   | 0             | 92.5 | 40-125                | 0             |  |           |              |
| Fluoranthene           | 559    | 6.7                                  | 666.7   | 0             | 83.8 | 55-115                | 0             |  |           |              |
| Fluorene               | 453.7  | 6.7                                  | 666.7   | 0             | 68   | 50-110                | 0             |  |           |              |
| Indeno(1,2,3-cd)pyrene | 684.3  | 6.7                                  | 666.7   | 0             | 103  | 40-120                | 0             |  |           |              |
| Naphthalene            | 339    | 6.7                                  | 666.7   | 0             | 50.8 | 40-105                | 0             |  |           |              |
| Pyrene                 | 559    | 6.7                                  | 666.7   | 0             | 83.8 | 45-125                | 0             |  |           |              |
| Surr: 2-Fluorobiphenyl | 973    | 0                                    | 1667    | 0             | 58.4 | 12-100                | 0             |  |           |              |
| Surr: 4-Terphenyl-d14  | 1507   | 0                                    | 1667    | 0             | 90.4 | 25-137                | 0             |  |           |              |
| Surr: Nitrobenzene-d5  | 981    | 0                                    | 1667    | 0             | 58.9 | 37-107                | 0             |  |           |              |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: LT Environmental, Inc  
 Work Order: 1407269  
 Project: Werner Pad 7.2.14

## QC BATCH REPORT

Batch ID: **60415** Instrument ID **SVMS8** Method: **SW8270**

| MS                     |        |                       |         | Sample ID: 1407301-02B MS |               |               |                     | Units: µg/Kg |           | Analysis Date: 7/10/2014 03:08 AM |  |
|------------------------|--------|-----------------------|---------|---------------------------|---------------|---------------|---------------------|--------------|-----------|-----------------------------------|--|
| Client ID:             |        | Run ID: SVMS8_140709A |         |                           | SeqNo:2843516 |               | Prep Date: 7/9/2014 |              | DF: 1     |                                   |  |
| Analyte                | Result | PQL                   | SPK Val | SPK Ref Value             | %REC          | Control Limit | RPD Ref Value       | %RPD         | RPD Limit | Qual                              |  |
| Acenaphthene           | 912.3  | 13                    | 1322    | 0                         | 69            | 45-110        |                     | 0            |           |                                   |  |
| Anthracene             | 1092   | 13                    | 1322    | 0                         | 82.6          | 55-105        |                     | 0            |           |                                   |  |
| Benzo(a)anthracene     | 1139   | 13                    | 1322    | 0                         | 86.1          | 50-110        |                     | 0            |           |                                   |  |
| Benzo(a)pyrene         | 1248   | 13                    | 1322    | 0                         | 94.3          | 50-110        |                     | 0            |           |                                   |  |
| Benzo(b)fluoranthene   | 1185   | 13                    | 1322    | 0                         | 89.6          | 45-115        |                     | 0            |           |                                   |  |
| Benzo(k)fluoranthene   | 1072   | 13                    | 1322    | 0                         | 81.1          | 45-115        |                     | 0            |           |                                   |  |
| Chrysene               | 1091   | 13                    | 1322    | 0                         | 82.5          | 55-110        |                     | 0            |           |                                   |  |
| Dibenzo(a,h)anthracene | 1214   | 13                    | 1322    | 0                         | 91.8          | 40-125        |                     | 0            |           |                                   |  |
| Fluoranthene           | 1119   | 13                    | 1322    | 14.36                     | 83.5          | 55-115        |                     | 0            |           |                                   |  |
| Fluorene               | 994.3  | 13                    | 1322    | 0                         | 75.2          | 50-110        |                     | 0            |           |                                   |  |
| Indeno(1,2,3-cd)pyrene | 1357   | 13                    | 1322    | 0                         | 103           | 40-120        |                     | 0            |           |                                   |  |
| Naphthalene            | 887.2  | 13                    | 1322    | 7.505                     | 66.5          | 40-105        |                     | 0            |           |                                   |  |
| Pyrene                 | 1156   | 13                    | 1322    | 0                         | 87.4          | 45-125        |                     | 0            |           |                                   |  |
| Surr: 2-Fluorobiphenyl | 2269   | 0                     | 3306    | 0                         | 68.6          | 12-100        |                     | 0            |           |                                   |  |
| Surr: 4-Terphenyl-d14  | 3088   | 0                     | 3306    | 0                         | 93.4          | 25-137        |                     | 0            |           |                                   |  |
| Surr: Nitrobenzene-d5  | 2458   | 0                     | 3306    | 0                         | 74.4          | 37-107        |                     | 0            |           |                                   |  |

| MSD                    |        |     |                       | Sample ID: 1407301-02B MSD |      |               |               | Units: µg/Kg        |           | Analysis Date: 7/10/2014 03:29 AM |  |
|------------------------|--------|-----|-----------------------|----------------------------|------|---------------|---------------|---------------------|-----------|-----------------------------------|--|
| Client ID:             |        |     | Run ID: SVMS8_140709A |                            |      | SeqNo:2843517 |               | Prep Date: 7/9/2014 |           | DF: 1                             |  |
| Analyte                | Result | PQL | SPK Val               | SPK Ref Value              | %REC | Control Limit | RPD Ref Value | %RPD                | RPD Limit | Qual                              |  |
| Acenaphthene           | 880.8  | 13  | 1262                  | 0                          | 69.8 | 45-110        | 912.3         | 3.52                | 30        |                                   |  |
| Anthracene             | 1060   | 13  | 1262                  | 0                          | 84   | 55-105        | 1092          | 2.99                | 30        |                                   |  |
| Benzo(a)anthracene     | 1085   | 13  | 1262                  | 0                          | 85.9 | 50-110        | 1139          | 4.9                 | 30        |                                   |  |
| Benzo(a)pyrene         | 1199   | 13  | 1262                  | 0                          | 95   | 50-110        | 1248          | 3.93                | 30        |                                   |  |
| Benzo(b)fluoranthene   | 1139   | 13  | 1262                  | 0                          | 90.2 | 45-115        | 1185          | 4                   | 30        |                                   |  |
| Benzo(k)fluoranthene   | 1064   | 13  | 1262                  | 0                          | 84.3 | 45-115        | 1072          | 0.74                | 30        |                                   |  |
| Chrysene               | 1061   | 13  | 1262                  | 0                          | 84   | 55-110        | 1091          | 2.81                | 30        |                                   |  |
| Dibenzo(a,h)anthracene | 1169   | 13  | 1262                  | 0                          | 92.6 | 40-125        | 1214          | 3.8                 | 30        |                                   |  |
| Fluoranthene           | 1084   | 13  | 1262                  | 14.36                      | 84.8 | 55-115        | 1119          | 3.14                | 30        |                                   |  |
| Fluorene               | 960.3  | 13  | 1262                  | 0                          | 76.1 | 50-110        | 994.3         | 3.48                | 30        |                                   |  |
| Indeno(1,2,3-cd)pyrene | 1294   | 13  | 1262                  | 0                          | 103  | 40-120        | 1357          | 4.77                | 30        |                                   |  |
| Naphthalene            | 882.1  | 13  | 1262                  | 7.505                      | 69.3 | 40-105        | 887.2         | 0.581               | 30        |                                   |  |
| Pyrene                 | 1098   | 13  | 1262                  | 0                          | 87   | 45-125        | 1156          | 5.13                | 30        |                                   |  |
| Surr: 2-Fluorobiphenyl | 2297   | 0   | 3155                  | 0                          | 72.8 | 12-100        | 2269          | 1.21                | 40        |                                   |  |
| Surr: 4-Terphenyl-d14  | 2940   | 0   | 3155                  | 0                          | 93.2 | 25-137        | 3088          | 4.9                 | 40        |                                   |  |
| Surr: Nitrobenzene-d5  | 2499   | 0   | 3155                  | 0                          | 79.2 | 37-107        | 2458          | 1.66                | 40        |                                   |  |

The following samples were analyzed in this batch:

1407269-04B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental, Inc  
**Work Order:** 1407269  
**Project:** Werner Pad 7.2.14

## QC BATCH REPORT

Batch ID: **60337**      Instrument ID **VMS8**      Method: **SW8260B**

| MBLK                        |        |     |         | Sample ID: MBLK-60337-60337 |      |               |               | Units: µg/Kg  |           |      | Analysis Date: 7/7/2014 01:34 PM |  |       |  |
|-----------------------------|--------|-----|---------|-----------------------------|------|---------------|---------------|---------------|-----------|------|----------------------------------|--|-------|--|
| Client ID:                  |        |     |         | Run ID: VMS8_140707A        |      |               |               | SeqNo:2839687 |           |      | Prep Date: 7/7/2014              |  | DF: 1 |  |
| Analyte                     | Result | PQL | SPK Val | SPK Ref Value               | %REC | Control Limit | RPD Ref Value | %RPD          | RPD Limit | Qual |                                  |  |       |  |
| Benzene                     | ND     | 30  |         |                             |      |               |               |               |           |      |                                  |  |       |  |
| Ethylbenzene                | ND     | 30  |         |                             |      |               |               |               |           |      |                                  |  |       |  |
| m,p-Xylene                  | ND     | 60  |         |                             |      |               |               |               |           |      |                                  |  |       |  |
| o-Xylene                    | ND     | 30  |         |                             |      |               |               |               |           |      |                                  |  |       |  |
| Toluene                     | ND     | 30  |         |                             |      |               |               |               |           |      |                                  |  |       |  |
| Xylenes, Total              | ND     | 90  |         |                             |      |               |               |               |           |      |                                  |  |       |  |
| Surr: 1,2-Dichloroethane-d4 | 1041   | 0   | 1000    | 0                           | 104  | 70-130        |               | 0             |           |      |                                  |  |       |  |
| Surr: 4-Bromofluorobenzene  | 981.5  | 0   | 1000    | 0                           | 98.2 | 70-130        |               | 0             |           |      |                                  |  |       |  |
| Surr: Dibromofluoromethane  | 990    | 0   | 1000    | 0                           | 99   | 70-130        |               | 0             |           |      |                                  |  |       |  |
| Surr: Toluene-d8            | 1002   | 0   | 1000    | 0                           | 100  | 70-130        |               | 0             |           |      |                                  |  |       |  |

| LCS                         |        |     |                      | Sample ID: LCS-60337-60337 |      |                |               | Units: µg/Kg        |           |       | Analysis Date: 7/7/2014 11:07 AM |  |  |
|-----------------------------|--------|-----|----------------------|----------------------------|------|----------------|---------------|---------------------|-----------|-------|----------------------------------|--|--|
| Client ID:                  |        |     | Run ID: VMS8_140707A |                            |      | SeqNo: 2839686 |               | Prep Date: 7/7/2014 |           | DF: 1 |                                  |  |  |
| Analyte                     | Result | PQL | SPK Val              | SPK Ref Value              | %REC | Control Limit  | RPD Ref Value | %RPD                | RPD Limit | Qual  |                                  |  |  |
| Benzene                     | 994.5  | 30  | 1000                 | 0                          | 99.4 | 75-125         | 0             |                     |           |       |                                  |  |  |
| Ethylbenzene                | 1047   | 30  | 1000                 | 0                          | 105  | 75-125         | 0             |                     |           |       |                                  |  |  |
| m,p-Xylene                  | 2071   | 60  | 2000                 | 0                          | 104  | 80-125         | 0             |                     |           |       |                                  |  |  |
| o-Xylene                    | 1023   | 30  | 1000                 | 0                          | 102  | 75-125         | 0             |                     |           |       |                                  |  |  |
| Toluene                     | 993    | 30  | 1000                 | 0                          | 99.3 | 70-125         | 0             |                     |           |       |                                  |  |  |
| Xylenes, Total              | 3094   | 90  | 3000                 | 0                          | 103  | 75-125         | 0             |                     |           |       |                                  |  |  |
| Surr: 1,2-Dichloroethane-d4 | 1042   | 0   | 1000                 | 0                          | 104  | 70-130         | 0             |                     |           |       |                                  |  |  |
| Surr: 4-Bromofluorobenzene  | 993    | 0   | 1000                 | 0                          | 99.3 | 70-130         | 0             |                     |           |       |                                  |  |  |
| Surr: Dibromofluoromethane  | 995    | 0   | 1000                 | 0                          | 99.5 | 70-130         | 0             |                     |           |       |                                  |  |  |
| Surr: Toluene-d8            | 987    | 0   | 1000                 | 0                          | 98.7 | 70-130         | 0             |                     |           |       |                                  |  |  |

| MS                          |        |     |                      | Sample ID: 1407254-02A MS |                | Units: µg/Kg  |                     | Analysis Date: 7/10/2014 12:21 PM |           |      |
|-----------------------------|--------|-----|----------------------|---------------------------|----------------|---------------|---------------------|-----------------------------------|-----------|------|
| Client ID:                  |        |     | Run ID: VMS9_140709A |                           | SeqNo: 2842522 |               | Prep Date: 7/7/2014 |                                   | DF: 1     |      |
| Analyte                     | Result | PQL | SPK Val              | SPK Ref Value             | %REC           | Control Limit | RPD Ref Value       | %RPD                              | RPD Limit | Qual |
| Benzene                     | 924.5  | 30  | 1000                 | 16.5                      | 90.8           | 75-125        | 0                   |                                   |           |      |
| Ethylbenzene                | 785.5  | 30  | 1000                 | 48.5                      | 73.7           | 75-125        | 0                   |                                   |           | S    |
| m,p-Xylene                  | 1595   | 60  | 2000                 | 78                        | 75.8           | 80-125        | 0                   |                                   |           | S    |
| o-Xylene                    | 822    | 30  | 1000                 | 0                         | 82.2           | 75-125        | 0                   |                                   |           |      |
| Toluene                     | 893.5  | 30  | 1000                 | 0                         | 89.4           | 70-125        | 0                   |                                   |           |      |
| Xylenes, Total              | 2417   | 90  | 3000                 | 78                        | 78             | 75-125        | 0                   |                                   |           |      |
| Surr: 1,2-Dichloroethane-d4 | 1026   | 0   | 1000                 | 0                         | 103            | 70-130        | 0                   |                                   |           |      |
| Surr: 4-Bromofluorobenzene  | 1074   | 0   | 1000                 | 0                         | 107            | 70-130        | 0                   |                                   |           |      |
| Surr: Dibromofluoromethane  | 1030   | 0   | 1000                 | 0                         | 103            | 70-130        | 0                   |                                   |           |      |
| Surr: Toluene-d8            | 1044   | 0   | 1000                 | 0                         | 104            | 70-130        | 0                   |                                   |           |      |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental, Inc  
**Work Order:** 1407269  
**Project:** Werner Pad 7.2.14

## QC BATCH REPORT

Batch ID: **60337**      Instrument ID **VMS8**      Method: **SW8260B**

| MSD                         |        |     |                      | Sample ID: 1407254-02A MSD |      |                | Units: µg/Kg  |                     | Analysis Date: 7/10/2014 12:45 PM |       |  |
|-----------------------------|--------|-----|----------------------|----------------------------|------|----------------|---------------|---------------------|-----------------------------------|-------|--|
| Client ID:                  |        |     | Run ID: VMS9_140709A |                            |      | SeqNo: 2842523 |               | Prep Date: 7/7/2014 |                                   | DF: 1 |  |
| Analyte                     | Result | PQL | SPK Val              | SPK Ref Value              | %REC | Control Limit  | RPD Ref Value | %RPD                | RPD Limit                         | Qual  |  |
| Benzene                     | 908    | 30  | 1000                 | 16.5                       | 89.2 | 75-125         | 924.5         | 1.8                 | 30                                |       |  |
| Ethylbenzene                | 770    | 30  | 1000                 | 48.5                       | 72.2 | 75-125         | 785.5         | 1.99                | 30                                | S     |  |
| m,p-Xylene                  | 1574   | 60  | 2000                 | 78                         | 74.8 | 80-125         | 1595          | 1.29                | 30                                | S     |  |
| o-Xylene                    | 804.5  | 30  | 1000                 | 0                          | 80.4 | 75-125         | 822           | 2.15                | 30                                |       |  |
| Toluene                     | 876.5  | 30  | 1000                 | 0                          | 87.6 | 70-125         | 893.5         | 1.92                | 30                                |       |  |
| Xylenes, Total              | 2379   | 90  | 3000                 | 78                         | 76.7 | 75-125         | 2417          | 1.58                | 30                                |       |  |
| Surr: 1,2-Dichloroethane-d4 | 1027   | 0   | 1000                 | 0                          | 103  | 70-130         | 1026          | 0.0487              | 30                                |       |  |
| Surr: 4-Bromofluorobenzene  | 1052   | 0   | 1000                 | 0                          | 105  | 70-130         | 1074          | 2.07                | 30                                |       |  |
| Surr: Dibromofluoromethane  | 1024   | 0   | 1000                 | 0                          | 102  | 70-130         | 1030          | 0.487               | 30                                |       |  |
| Surr: Toluene-d8            | 1038   | 0   | 1000                 | 0                          | 104  | 70-130         | 1044          | 0.625               | 30                                |       |  |

The following samples were analyzed in this batch:

|             |             |             |
|-------------|-------------|-------------|
| 1407269-01A | 1407269-02A | 1407269-03A |
| 1407269-04A |             |             |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** LT Environmental, Inc  
**Work Order:** 1407269  
**Project:** Werner Pad 7.2.14

## QC BATCH REPORT

Batch ID: **60348** Instrument ID **WETCHEM** Method: **USDA H60 Method**

|                                      |        |                                   |         |               |      |                              |               |  |           |               |
|--------------------------------------|--------|-----------------------------------|---------|---------------|------|------------------------------|---------------|--|-----------|---------------|
| <b>DUP</b>                           |        | Sample ID: <b>1407242-01C DUP</b> |         |               |      | Units: <b>mmhos/cm @25°C</b> |               | Analysis Date: <b>7/10/2014 10:15 AM</b> |           |               |
| Client ID:                           |        | Run ID: <b>WETCHEM_140710A</b>    |         |               |      | SeqNo: <b>2842676</b>        |               | Prep Date: <b>7/9/2014</b>               |           | DF: <b>10</b> |
| Analyte                              | Result | PQL                               | SPK Val | SPK Ref Value | %REC | Control Limit                | RPD Ref Value | %RPD                                     | RPD Limit | Qual          |
| Electrical Conductivity @ Saturation | 3.91   | 0.050                             | 0       | 0             | 0    |                              | 3.77          | 3.65                                     | 50        |               |

The following samples were analyzed in this batch:

|             |             |             |
|-------------|-------------|-------------|
| 1407269-01C | 1407269-02C | 1407269-03C |
| 1407269-04C |             |             |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental, Inc  
**Work Order:** 1407269  
**Project:** Werner Pad 7.2.14

## QC BATCH REPORT

Batch ID: **60378**      Instrument ID **WETCHEM**      Method: **SW7196A**

|             |        |                                    |         |               |      |                       |               |   |           |              |
|-------------|--------|------------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>MBLK</b> |        | Sample ID: <b>MBLK-60378-60378</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>7/8/2014 03:00 PM</b> |           |              |
| Client ID:  |        | Run ID: <b>WETCHEM_140708H</b>     |         |               |      | SeqNo: <b>2840260</b> |               | Prep Date: <b>7/7/2014</b>              |           | DF: <b>1</b> |
| Analyte     | Result | PQL                                | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |

Chromium, Hexavalent      ND      0.50

|            |        |                                   |         |               |      |                       |               |   |           |              |
|------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>LCS</b> |        | Sample ID: <b>LCS-60378-60378</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>7/8/2014 03:00 PM</b> |           |              |
| Client ID: |        | Run ID: <b>WETCHEM_140708H</b>    |         |               |      | SeqNo: <b>2840261</b> |               | Prep Date: <b>7/7/2014</b>              |           | DF: <b>1</b> |
| Analyte    | Result | PQL                               | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |

Chromium, Hexavalent      1.924      0.50      2      0      96.2      80-120      0

|            |        |                                  |         |               |      |                       |               |   |           |              |
|------------|--------|----------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>MS</b>  |        | Sample ID: <b>1407266-07B MS</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>7/8/2014 03:00 PM</b> |           |              |
| Client ID: |        | Run ID: <b>WETCHEM_140708H</b>   |         |               |      | SeqNo: <b>2840275</b> |               | Prep Date: <b>7/7/2014</b>              |           | DF: <b>1</b> |
| Analyte    | Result | PQL                              | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |

Chromium, Hexavalent      1.795      0.49      1.969      0      91.2      75-125      0

|            |        |                                   |         |               |      |                       |               |   |           |                |
|------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|----------------|
| <b>MS</b>  |        | Sample ID: <b>1407266-07B MSI</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>7/8/2014 03:00 PM</b> |           |                |
| Client ID: |        | Run ID: <b>WETCHEM_140708H</b>    |         |               |      | SeqNo: <b>2840277</b> |               | Prep Date: <b>7/7/2014</b>              |           | DF: <b>100</b> |
| Analyte    | Result | PQL                               | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual           |

Chromium, Hexavalent      1112      50      1481      0      75.1      75-125      0

|            |        |                                   |         |               |      |                       |               |   |           |              |
|------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>MSD</b> |        | Sample ID: <b>1407266-07B MSD</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>7/8/2014 03:00 PM</b> |           |              |
| Client ID: |        | Run ID: <b>WETCHEM_140708H</b>    |         |               |      | SeqNo: <b>2840276</b> |               | Prep Date: <b>7/7/2014</b>              |           | DF: <b>1</b> |
| Analyte    | Result | PQL                               | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |

Chromium, Hexavalent      1.85      0.49      1.976      0      93.6      75-125      1.795      2.99      20

The following samples were analyzed in this batch:

|             |             |             |
|-------------|-------------|-------------|
| 1407269-01B | 1407269-02B | 1407269-03B |
| 1407269-04B |             |             |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental, Inc  
**Work Order:** 1407269  
**Project:** Werner Pad 7.2.14

## QC BATCH REPORT

Batch ID: **60393** Instrument ID **WETCHEM** Method: **SW9045D**

|            |  |  |  |  |                            |  |     |         |               |                |  |               |                                  |      |           |       |  |
|------------|--|--|--|--|----------------------------|--|-----|---------|---------------|----------------|--|---------------|----------------------------------|------|-----------|-------|--|
| LCS        |  |  |  |  | Sample ID: LCS-60393-60393 |  |     |         |               | Units: s.u.    |  |               | Analysis Date: 7/8/2014 05:00 PM |      |           |       |  |
| Client ID: |  |  |  |  | Run ID: WETCHEM_1407080    |  |     |         |               | SeqNo: 2840441 |  |               | Prep Date: 7/8/2014              |      |           | DF: 1 |  |
| Analyte    |  |  |  |  | Result                     |  | PQL | SPK Val | SPK Ref Value | %REC           |  | Control Limit | RPD Ref Value                    | %RPD | RPD Limit | Qual  |  |
| pH         |  |  |  |  | 3.94                       |  | 0   | 4       | 0             | 98.5           |  | 90-110        | 0                                |      |           |       |  |

|            |  |  |  |  |                            |     |         |               |      |               |               |      |                                  |      |       |  |
|------------|--|--|--|--|----------------------------|-----|---------|---------------|------|---------------|---------------|------|----------------------------------|------|-------|--|
| DUP        |  |  |  |  | Sample ID: 1407266-01A DUP |     |         |               |      | Units:s.u.    |               |      | Analysis Date: 7/8/2014 05:00 PM |      |       |  |
| Client ID: |  |  |  |  | Run ID: WETCHEM_1407080    |     |         |               |      | SeqNo:2840443 |               |      | Prep Date: 7/8/2014              |      | DF: 1 |  |
| Analyte    |  |  |  |  | Result                     | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit                        | Qual |       |  |
| pH         |  |  |  |  | 7.08                       | 0   | 0       | 0             | 0    | 0-0           | 7.08          | 0    | 20                               |      |       |  |

The following samples were analyzed in this batch:

|             |             |             |
|-------------|-------------|-------------|
| 1407269-01B | 1407269-02B | 1407269-03B |
| 1407269-04B |             |             |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental, Inc  
**Work Order:** 1407269  
**Project:** Werner Pad 7.2.14

## QC BATCH REPORT

Batch ID: **R143995**      Instrument ID **MOIST**      Method: **A2540 G**

|             |        |                                 |         |               |      |                       |               |   |           |              |
|-------------|--------|---------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>MBLK</b> |        | Sample ID: <b>WBLKS-R143995</b> |         |               |      | Units: % of sample    |               | Analysis Date: <b>7/7/2014 02:22 PM</b> |           |              |
| Client ID:  |        | Run ID: <b>MOIST_140707C</b>    |         |               |      | SeqNo: <b>2839450</b> |               | Prep Date:                              |           | DF: <b>1</b> |
| Analyte     | Result | PQL                             | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |

Moisture      ND      0.050

|            |        |                               |         |               |      |                       |               |   |           |              |
|------------|--------|-------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>LCS</b> |        | Sample ID: <b>LCS-R143995</b> |         |               |      | Units: % of sample    |               | Analysis Date: <b>7/7/2014 02:22 PM</b> |           |              |
| Client ID: |        | Run ID: <b>MOIST_140707C</b>  |         |               |      | SeqNo: <b>2839449</b> |               | Prep Date:                              |           | DF: <b>1</b> |
| Analyte    | Result | PQL                           | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |

Moisture      100      0.050      100      0      100      99.5-100.5      0

|            |        |                                   |         |               |      |                       |               |   |           |              |
|------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>DUP</b> |        | Sample ID: <b>1407255-01A DUP</b> |         |               |      | Units: % of sample    |               | Analysis Date: <b>7/7/2014 02:22 PM</b> |           |              |
| Client ID: |        | Run ID: <b>MOIST_140707C</b>      |         |               |      | SeqNo: <b>2839430</b> |               | Prep Date:                              |           | DF: <b>1</b> |
| Analyte    | Result | PQL                               | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |

Moisture      69.27      0.050      0      0      0      0-0      69.19      0.116      20

|            |        |                                   |         |               |      |                       |               |   |           |              |
|------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|---|-----------|--------------|
| <b>DUP</b> |        | Sample ID: <b>1407260-09B DUP</b> |         |               |      | Units: % of sample    |               | Analysis Date: <b>7/7/2014 02:22 PM</b> |           |              |
| Client ID: |        | Run ID: <b>MOIST_140707C</b>      |         |               |      | SeqNo: <b>2839439</b> |               | Prep Date:                              |           | DF: <b>1</b> |
| Analyte    | Result | PQL                               | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                    | RPD Limit | Qual         |

Moisture      10.79      0.050      0      0      0      0-0      10.3      4.65      20

The following samples were analyzed in this batch:

|             |             |             |
|-------------|-------------|-------------|
| 1407269-01B | 1407269-02B | 1407269-03B |
| 1407269-04B |             |             |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



☐ ALS Environmental  
10450 Stancliff Rd. #210  
Houston, Texas 77099  
(Tel) 281.530.5656  
(Fax) 281.530.5887

## Chain of Custody Form

Page 1 of 1

☒ ALS Environmental  
3352 128th Avenue  
Holland, Michigan 49424  
(Tel) 616.399.6070  
(Fax) 616.399.6185

|                             |   |                                  |                       |  |                    |
|-----------------------------|---|----------------------------------|-----------------------|--|--------------------|
| ALS Project Manager:        |   | ALS Work Order #: <u>1407269</u> |                       |  |                    |
| <b>Customer Information</b> |   | <b>Project Information</b>       |                       | <b>Parameter/Method Request for Analysis</b> |                    |
| Purchase Order              |   | Project Name                     | Werner Pad            | A  | TPH GRO/DRO        |
| Work Order                  |   | Project Number                   | 027311040             | B  | BTEX               |
| Company Name                | LT Environmental                        | Bill To Company                  | LT Environmental      | C  | Table 910 PAHs     |
| Send Report To              | Jake Janicek, Rob Fishburn              | Invoice Attn.                    | Jake Janicek          | D  | Table 910 Metals   |
| Address                     | 820 Megan Ave, Unit B                   | Address                          | 820 Megan Ave, Unit B | E  | EC                 |
| City/State/Zip              | Rifle, CO 81650                         | City/State/Zip                   | Rifle, CO 81650       | F  | SAR                |
| Phone                       | 970-285-9985                            | Phone                            | 970-285-9985          | G  | pH                 |
| Fax                         |   | Fax                              |                       | H  | Total Arsenic 6020 |
| e-Mail Address              | jjanicek@ltenv.com; rfishburn@ltenv.com |                                  |                       | I  |                    |
|                             |   |                                  |                       | J  |                    |

| No. | Sample Description | Date     | Time  | Matrix | Pres. Key Numbers | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|----------|-------|--------|-------------------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1   | PB01               | 7/2/2014 | 10:25 | SOIL   | none              | 4         | x | x | x | x | x | x | x | x |   |   |      |
| 2   | PB02               | 7/2/2014 | 10:30 | SOIL   | none              | 4         | x | x | x | x | x | x | x | x |   |   |      |
| 3   | PB03               | 7/2/2014 | 10:35 | SOIL   | none              | 4         | x | x | x | x | x | x | x | x |   |   |      |
| 4   | PB04               | 7/2/2014 | 10:40 | SOIL   | none              | 4         | x | x | x | x | x | x | x | x |   |   |      |
| 5   |                    |          |       |        |                   |           |   |   |   |   |   |   |   |   |   |   |      |
| 6   |                    |          |       |        |                   |           |   |   |   |   |   |   |   |   |   |   |      |
| 7   |                    |          |       |        |                   |           |   |   |   |   |   |   |   |   |   |   |      |
| 8   |                    |          |       |        |                   |           |   |   |   |   |   |   |   |   |   |   |      |
| 9   |                    |          |       |        |                   |           |   |   |   |   |   |   |   |   |   |   |      |
| 10  |                    |          |       |        |                   |           |   |   |   |   |   |   |   |   |   |   |      |

|   |                 |                             |   |                 |                   |
|---|-----------------|-----------------------------|---|-----------------|-------------------|
| Sampler(s): Please Print & Sign<br><i>Steve Sivigliano / Steve Sivigliano</i> |                 | Shipment Method:<br>Lab Hub | Required Turnaround Time: (Check Box)<br><input type="checkbox"/> 10 Wk Days <input checked="" type="checkbox"/> 5 Wk Days <input type="checkbox"/> 3 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour |                 | Results Due Date: |
| Relinquished by:<br><i>Steve Sivigliano</i>                                   | Date:<br>7/2/14 | Time:<br>15:10              | Received by:<br><i>[Signature]</i>  | Date:<br>7-2    | Time:<br>1510     |
| Relinquished to:<br><i>[Signature]</i>  | Date:<br>7-2    | Time:<br>1600               | Received by (Laboratory):<br><i>[Signature]</i>   | Date:<br>7/3/14 | Time:<br>2230     |
| Logged by (Laboratory):<br><i>DES</i>   | Date:<br>7/7/14 | Time:<br>0930               | Checked by (Laboratory):<br><i>[Signature]</i>  |                 |                   |

|               |                     |  |
|---------------|---------------------|--|
| ALS Cooler ID | Cooler Temp<br>26°C | QC Package: (Check Box Below)  |
|               |                     | <input checked="" type="checkbox"/> Level II: Standard QC <input type="checkbox"/> Level III: Raw Data |
|               |                     | <input type="checkbox"/> TRRP LRC <input type="checkbox"/> TRRP Level IV                               |
|               |                     | <input type="checkbox"/> Level IV: SW846 Methods/CLP like  |
|               |                     | <input type="checkbox"/> Other:  |

|   |   |
|---|---|
| Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C | Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS. |
|---|---|

Sample Receipt Checklist

Client Name: **LTENV**

Date/Time Received: **03-Jul-14 22:30**

Work Order: **1407269**

Received by: **DS**

Checklist completed by Diane Shaw  
eSignature

07-Jul-14  
Date

Reviewed by: Chad Whilton  
eSignature

07-Jul-14  
Date

Matrices: **Soil**

Carrier name: **FedEx**

|   |   |                             |  |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>                       |
| Custody seals intact on shipping container/cooler?      | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>                       |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/>            |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sample(s) received on ice?                              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Temperature(s)/Thermometer(s):                          | <u>2.6 c</u>                            |                             |  |
| Cooler(s)/Kit(s):                                       |   |                             |  |
| Date/Time sample(s) sent to storage:                    | <u>7/7/2014 9:47:50 AM</u>              |                             |  |
| Water - VOA vials have zero headspace?                  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                     | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/>                    |
| pH adjusted?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/>                    |
| pH adjusted by:   |   |                             |  |

Login Notes:

-----

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

From: (916) 399-6070  
 Sample Receiving  
 ALS Laboratory Group  
 3352 128th Avenue  
 Holland, MI 49424

Origin ID: GRRR



Ship Date: 02 JUL 14  
 Address: 64.0 LB  
 CAO: 2294840NET3480

Dim: 24 X 15 X 15 IN

Delivery Address Bar Code



Ref # 070214-1  
 Invoice #  
 PO # Parcelate  
 Dept #

SHIP TO: (916) 399-6070  
 sample receiving  
 ALS Laboratory Group  
 3352 128TH AVE

BILL RENDER

HOLLAND, MI 49424

2 of 3

THU - 03 JUL 10:30A  
 PRIORITY OVERNIGHT

MP# 7704 9894 0780

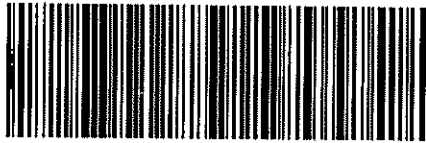
Metric# 7704 9894 0986

E291

49424

MI-US

GRR

**68 GRRR**

52XQJED4PF2D

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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