

**GW - 005**

**LANDFARM  
MONITORING  
REPORTS**

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December 11, 2008

**VIA CERTIFIED MAIL**

Mr. Carl Chavez  
State of New Mexico – Department of Natural Resources  
Oil Conservation Division – Environmental Bureau  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: 2008 Summary of Semi-Annual Analytical Results of Vadose Zone Samples  
Targa Midstream Services Eunice-Middle Gas Plant (GW-005)  
Surface Waste Management Facility  
Unit Letter A (NE/4, NE/4), Section 3, Township 22 South, Range 37 East  
Lea County, New Mexico**

Dear Mr. Chavez:

Larson and Associates, Inc. (LAI), as consultant to Targa Midstream Services, L.P. (Targa), submits the enclosed analytical tables to the New Mexico Oil Conservation Division (OCD) for the above referenced centralized surface waste management facility (Facility) located at the Eunice Gas Plant (GW-005). The facility occupies approximately 5.19 acres in the northeast quarter (NE/4) of the northeast quarter (NE/4), Section 3, Township 22 South, Range 37 East, Lea County, New Mexico. The table includes analytical results of soil samples collected from the vadose zone for the first (April 16, 2008) and second (October 28, 2008) semi-annual sampling events. The results are compared to the background samples for each cell collected in 2006.

Soil samples for the vadose (3 to 4 feet below base of cell) zones of the active cells were collected on April 16 and October 28, 2008. The total petroleum hydrocarbon (TPH) results for vadose zone samples Cells 1C, 2A, 2B and 2D were detected but below the action level set forth in the permit. This may be due to cross contamination during the sampling process. Chloride was detected in Cells 1A, 1B and 1C above the action level set forth in the permit and background level established in 2006.

The vadose zone samples were collected for Cells 1 and 2. The metal results were compared to the background levels established in 2006. The metals results appear to be within an order of magnitude of the background levels. Thus the results for samples were within the normal variation.

The enclosed table presents the vadose zone sample results compared to background.

## Action Plan

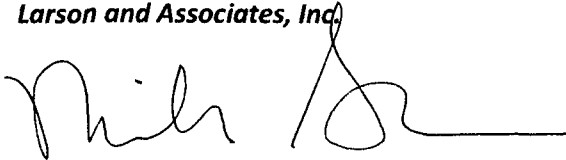
Cells 1A, 1B and 1C appear to be placed in an area where historical use may have included a brine pond thus chloride and TPH contamination may have been indicative of historical releases. Targa proposes to collect additional vadose zone samples in each Cells 1A, 1B and 1C to isolate the contaminated area. The analytical data will be reviewed and submitted to the NM OCD for further evaluation.

## Conclusion

The 2008 quarterly sample results for the tilled soil will be submitted to the OCD in the annual report due by March 31, 2009. The next quarterly tilled zone and semi-annual events are scheduled for March and June 2009, respectively. Analytical data will be submitted to OCD within 45 days following receipt of the final report. If you have any questions or require additional information please contact Mr. Cal Wrangham with Targa at (432) 688-0542 or via email [cwrangham@targaresources.com](mailto:cwrangham@targaresources.com) or myself at (432) 687-0901 or via email [michelle@laenvironmental.com](mailto:michelle@laenvironmental.com).

Sincerely,

**Larson and Associates, Inc.**



Michelle L. Green  
Environmental Scientist

Enclosure

cc: Cal Wrangham - Targa  
James Lingnau - Targa  
Chris Williams - NM OCD – District 1  
Wayne Price - NM OCD – District 1

Summary of Soil Samples for Vadose Zone (3-4')  
 Eunice Middle Gas Plant Discharge Permit (GW-005) Eunice Landfarm  
 Unit Letter A (NE/4, NE/4), Sec 3, Township 22 South, Range 37 East  
 Lea County, New Mexico

| Parameter                               | Reporting Units | WQQC Limits | Cell 1A (3-4) Background 7/14/2006 | Cell 1A (3-4) Background 2006 | Cell 1A (3-4) 4/16/2008 | Cell 1A (3-4) 10/28/2008 |
|-----------------------------------------|-----------------|-------------|------------------------------------|-------------------------------|-------------------------|--------------------------|
| <b>Volatile Organic Compounds</b>       |                 |             |                                    |                               |                         |                          |
| 1,1,1-Trichloroethane                   | mg/Kg           | 0.06        | <0.025                             | <0.025                        | <0.0011                 | --                       |
| 1,1,2,2-Tetrachloroethane               | mg/Kg           | 0.01        | <0.025                             | <0.025                        | <0.0011                 | --                       |
| 1,1,2-Trichloroethane                   | mg/Kg           | 0.01        | <0.025                             | <0.025                        | <0.0011                 | --                       |
| 1,1-Dichloroethane                      | mg/Kg           | 0.025       | <0.025                             | <0.025                        | <0.0011                 | --                       |
| 1,1-Dichloroethene                      | mg/Kg           | 0.005       | <0.025                             | <0.025                        | <0.0011                 | --                       |
| 1,2-Dibromoethane                       | mg/Kg           | 0.0001      | <0.025                             | <0.025                        | <0.0011                 | --                       |
| 1,2-Dichloroethane                      | mg/Kg           | 0.01        | <0.025                             | <0.025                        | <0.0011                 | --                       |
| Benzene                                 | mg/Kg           | 0.01        | <0.025                             | <0.025                        | <0.0011                 | <0.00308                 |
| Carbon tetrachloride                    | mg/Kg           | 0.01        | <0.025                             | <0.025                        | <0.0011                 | --                       |
| Chloroform                              | mg/Kg           | 0.1         | <0.025                             | <0.025                        | <0.0011                 | --                       |
| Ethylbenzene                            | mg/Kg           | 0.75        | <0.025                             | 0.019                         | <0.0011                 | <0.00513                 |
| Methylene chloride                      | mg/Kg           | 0.1         | <0.025                             | <0.025                        | <0.00549                | --                       |
| Tetrachloroethene                       | mg/Kg           | 0.02        | <0.025                             | <0.025                        | <0.0011                 | --                       |
| Toluene                                 | mg/Kg           | 0.75        | <0.025                             | 0.0193                        | <0.0011                 | <0.00513                 |
| Total Xylenes                           | mg/Kg           | 0.62        | <0.025                             | 0.0245                        | <0.0011                 | <0.00513                 |
| Trichloroethene                         | mg/Kg           | 0.1         | <0.025                             | <0.025                        | <0.0011                 | --                       |
| Vinyl chloride                          | mg/Kg           | 0.001       | <0.025                             | <0.025                        | <0.0011                 | --                       |
| <b>Semivolatile &amp; PAH Compounds</b> |                 |             |                                    |                               |                         |                          |
| 1-Methylnaphthalene                     | mg/Kg           | 0.03        | --                                 | 0.13                          | <0.0549                 | --                       |
| 2,3,4,6-Tetrachlorophenol               | mg/Kg           | 0.005       | --                                 | --                            | <0.0439                 | --                       |
| 2,4,5-Trichlorophenol                   | mg/Kg           | 0.005       | --                                 | --                            | <0.0769                 | --                       |
| 2,4,6-Trichlorophenol                   | mg/Kg           | 0.005       | --                                 | --                            | <0.0659                 | --                       |
| 2,4-Dichlorophenol                      | mg/Kg           | 0.005       | --                                 | --                            | <0.0879                 | --                       |
| 2,4-Dimethylphenol                      | mg/Kg           | 0.005       | --                                 | --                            | <0.0659                 | --                       |
| 2,4-Dinitrophenol                       | mg/Kg           | 0.005       | --                                 | --                            | <0.0549                 | --                       |
| 2,6-Dichlorophenol                      | mg/Kg           | 0.005       | --                                 | --                            | <0.0659                 | --                       |
| 2-Methylnaphthalene                     | mg/Kg           | 0.03        | --                                 | --                            | <0.022                  | --                       |
| 2-Methylphenol                          | mg/Kg           | 0.005       | --                                 | --                            | <0.0769                 | --                       |
| 2-Nitrophenol                           | mg/Kg           | 0.005       | --                                 | --                            | <0.0769                 | --                       |
| 4,6-Dinitro-2-methylphenol              | mg/Kg           | 0.005       | --                                 | --                            | <0.0879                 | --                       |
| 4-Chloro-3-methylphenol                 | mg/Kg           | 0.005       | --                                 | --                            | <0.0659                 | --                       |
| 4-Methylphenol                          | mg/Kg           | 0.005       | --                                 | --                            | <0.11                   | --                       |
| 4-Nitrophenol                           | mg/Kg           | 0.005       | --                                 | --                            | <0.154                  | --                       |
| Acenaphthene                            | mg/Kg           | 0.03        | <0.2                               | --                            | <0.0146                 | --                       |
| Acenaphthylene                          | mg/Kg           | 0.03        | <0.2                               | --                            | <0.00732                | --                       |
| Anthracene                              | mg/Kg           | 0.03        | <0.2                               | --                            | <0.00732                | --                       |
| Benzo[a]anthracene                      | mg/Kg           | 0.03        | <0.2                               | --                            | <0.0146                 | --                       |
| Benzo[a]pyrene                          | mg/Kg           | 0.0007      | <0.2                               | --                            | <0.022                  | --                       |
| Benzo[b]fluoranthene                    | mg/Kg           | 0.03        | <0.2                               | --                            | <0.0146                 | --                       |
| Benzo[g,h,i]perylene                    | mg/Kg           | 0.03        | <0.2                               | --                            | <0.0146                 | --                       |
| Benzo[k]fluoranthene                    | mg/Kg           | 0.03        | <0.2                               | --                            | <0.022                  | --                       |
| Chrysene                                | mg/Kg           | 0.03        | <0.2                               | --                            | <0.0146                 | --                       |
| Dibenz[a,h]anthracene                   | mg/Kg           | 0.03        | <0.032                             | --                            | <0.0146                 | --                       |
| Fluoranthene                            | mg/Kg           | 0.03        | <0.2                               | --                            | <0.00732                | --                       |
| Fluorene                                | mg/Kg           | 0.03        | <0.2                               | --                            | <0.00732                | --                       |
| Indeno[1,2,3-cd]pyrene                  | mg/Kg           | 0.03        | <0.2                               | --                            | <0.00732                | --                       |
| Naphthalene                             | mg/Kg           | 0.03        | <0.2                               | --                            | <0.00732                | --                       |
| Pentachlorophenol                       | mg/Kg           | 0.005       | --                                 | --                            | <0.0989                 | --                       |
| Phenanthrene                            | mg/Kg           | 0.03        | <0.2                               | --                            | <0.00732                | --                       |
| Phenol                                  | mg/Kg           | 0.005       | --                                 | --                            | <0.0659                 | --                       |
| Pyrene                                  | mg/Kg           | 0.03        | <0.2                               | --                            | <0.0146                 | --                       |
| Total Phenols                           | mg/Kg           | --          | <0.05                              | --                            | --                      | --                       |



Summary of Soil Samples for Vadose Zone (3-4')  
Eunice Middle Gas Plant Discharge Permit (GW-005) Eunice Landfarm  
Unit Letter A (NE/4, NE/4), Sec 3, Township 22 South, Range 37 East  
Lea County, New Mexico

| Parameter                           | Reporting Units | WQQC Limits | Cell 1A (3-4) Background 7/14/2006 | Cell 1A (3-4) Background 2006 | Cell 1A (3-4) 4/16/2008 | Cell 1A (3-4) 10/28/2008 |
|-------------------------------------|-----------------|-------------|------------------------------------|-------------------------------|-------------------------|--------------------------|
| <b>PCB Compounds</b>                |                 |             |                                    |                               |                         |                          |
| Aroclor 1016                        | mg/Kg           | 0.001       | <0.0321                            | --                            | <0.0524                 | --                       |
| Aroclor 1221                        | mg/Kg           | 0.001       | <0.0321                            | --                            | <0.0524                 | --                       |
| Aroclor 1232                        | mg/Kg           | 0.001       | <0.0321                            | --                            | <0.0524                 | --                       |
| Aroclor 1242                        | mg/Kg           | 0.001       | <0.0321                            | --                            | <0.0524                 | --                       |
| Aroclor 1248                        | mg/Kg           | 0.001       | <0.0321                            | --                            | <0.0524                 | --                       |
| Aroclor 1254                        | mg/Kg           | 0.001       | <0.0321                            | --                            | <0.0524                 | --                       |
| Aroclor 1260                        | mg/Kg           | 0.001       | <0.0321                            | --                            | <0.0524                 | --                       |
| <b>Metals</b>                       |                 |             |                                    |                               |                         |                          |
| Arsenic                             | mg/Kg           | 0.1         | 2.99                               | 7.02                          | 3.81                    | 3.28                     |
| Barium                              | mg/Kg           | 1.0         | 59.8                               | 133                           | <b>276</b>              | <b>220</b>               |
| Cadmium                             | mg/Kg           | 0.01        | <0.346                             | 0.405                         | <b>0.142</b>            | <b>0.136</b>             |
| Chromium                            | mg/Kg           | 0.05        | 4.68                               | 3.15                          | 3.69                    | <b>6.83</b>              |
| Copper                              | mg/Kg           | 1.0         | 3.09                               | 4.9                           | 4.43                    | 3.13                     |
| Iron                                | mg/Kg           | 1.0         | 3480                               | 1070                          | 2500                    | 3490                     |
| Lead                                | mg/Kg           | 0.05        | 2.16                               | 4.30                          | 2.06                    | 2.87                     |
| Manganese                           | mg/Kg           | 0.2         | 39.0                               | 30.6                          | <b>49.0</b>             | <b>72.8</b>              |
| Selenium                            | mg/Kg           | 0.05        | 1.93                               | 1.18                          | 0.498                   | 1.11                     |
| Silver                              | mg/Kg           | 0.05        | <0.202                             | 0.29                          | <0.104                  | <0.0963                  |
| Uranium                             | mg/Kg           | 0.03        | <5                                 | --                            | <1.04                   | <0.963                   |
| Zinc                                | mg/Kg           | 10.0        | 21.1                               | 17.1                          | 6.92                    | 8.44                     |
| Mercury                             | mg/Kg           | 0.002       | 0.02505                            | 0.008814                      | <0.0173                 | <0.0151                  |
| <b>Total Petroleum Hydrocarbons</b> |                 |             |                                    |                               |                         |                          |
| TPH - GRO                           | mg/Kg           | --          | <10                                | --                            | <3.23                   | <0.0655                  |
| TPH - DRO                           | mg/Kg           | --          | <10                                | --                            | <0.0630                 | <3.28                    |
| TPH - Total (8015B)                 | mg/Kg           | 500         | <10                                | --                            | <3.293                  | <3.3455                  |
| <b>Inorganic Compounds</b>          |                 |             |                                    |                               |                         |                          |
| Chloride                            | mg/Kg           | 250         | 400                                | --                            | <b>3710</b>             | <b>1210</b>              |
| Fluoride                            | mg/Kg           | 1.6         | 5.35                               | --                            | <b>8.99</b>             | --                       |
| Nitrate-N                           | mg/Kg           | 10.0        | 2.47                               | --                            | <5.4                    | --                       |
| Sulfate                             | mg/Kg           | 600         | 112                                | --                            | <b>746</b>              | --                       |
| Cyanide, Total                      | mg/Kg           | 0.2         | <0.09                              | --                            | <0.175                  | --                       |
| pH                                  | pH Units        | 6 - 9       | --                                 | --                            | 8.74                    | --                       |
| <b>Radioactivity</b>                |                 |             |                                    |                               |                         |                          |
| Radium 226 & Radium 228             | pCi/gm          | 30          | --                                 | --                            | <1.51                   | --                       |

WQQC limits are based on the 3101 Standard for Groundwater, limits are in mg/L

1. mg/Kg: milligrams per kilogram
2. <: Less than method detection limit

Summary of Soil Samples for Vadose Zone (3-4')  
Eunice Middle Gas Plant Discharge Permit (GW-005) Eunice Landfarm  
Unit Letter A (NE/4, NE/4), Sec 3, Township 22 South, Range 37 East  
Lea County, New Mexico

| Parameter                               | Reporting Units | WQQC Limits | Cell 1B (3-4) Background 7/14/2006 | Cell 1B (3-4) Background 10/4/2006 | Cell 1B (3-4) 4/16/2008 | Cell 1B (3-4) 10/28/2008 |
|-----------------------------------------|-----------------|-------------|------------------------------------|------------------------------------|-------------------------|--------------------------|
| <b>Volatile Organic Compounds</b>       |                 |             |                                    |                                    |                         |                          |
| 1,1,1-Trichloroethane                   | mg/Kg           | 0.06        | <0.025                             | <0.025                             | <0.00096                | --                       |
| 1,1,2,2-Tetrachloroethane               | mg/Kg           | 0.01        | <0.025                             | <0.025                             | <0.00096                | --                       |
| 1,1,2-Trichloroethane                   | mg/Kg           | 0.01        | <0.025                             | <0.025                             | <0.00096                | --                       |
| 1,1-Dichloroethane                      | mg/Kg           | 0.025       | <0.025                             | <0.025                             | <0.00096                | --                       |
| 1,1-Dichloroethene                      | mg/Kg           | 0.005       | <0.025                             | <0.025                             | <0.00096                | --                       |
| 1,2-Dibromoethane                       | mg/Kg           | 0.0001      | <0.025                             | <0.025                             | <0.00096                | --                       |
| 1,2-Dichloroethane                      | mg/Kg           | 0.01        | <0.025                             | <0.025                             | <0.00096                | --                       |
| Benzene                                 | mg/Kg           | 0.01        | <0.025                             | <0.025                             | <0.00096                | <0.00329                 |
| Carbon tetrachloride                    | mg/Kg           | 0.01        | <0.025                             | <0.025                             | <0.00096                | --                       |
| Chloroform                              | mg/Kg           | 0.1         | <0.025                             | <0.025                             | <0.00096                | --                       |
| Ethylbenzene                            | mg/Kg           | 0.75        | <0.025                             | <0.025                             | <0.00096                | <0.00548                 |
| Methylene chloride                      | mg/Kg           | 0.1         | <0.025                             | <0.025                             | <0.0048                 | --                       |
| Tetrachloroethene                       | mg/Kg           | 0.02        | <0.025                             | <0.025                             | <0.00096                | --                       |
| Toluene                                 | mg/Kg           | 0.75        | <0.025                             | <0.025                             | <0.00096                | <0.00548                 |
| Total Xylenes                           | mg/Kg           | 0.62        | <0.025                             | <0.025                             | <0.00096                | <0.00548                 |
| Trichloroethene                         | mg/Kg           | 0.1         | <0.025                             | <0.025                             | <0.00096                | --                       |
| Vinyl chloride                          | mg/Kg           | 0.001       | <0.025                             | <0.025                             | <0.00096                | --                       |
| <b>Semivolatile &amp; PAH Compounds</b> |                 |             |                                    |                                    |                         |                          |
| 1-Methylnaphthalene                     | mg/Kg           | 0.03        | --                                 | 0.428                              | <0.0504                 | --                       |
| 2,3,4,6-Tetrachlorophenol               | mg/Kg           | 0.005       | --                                 | --                                 | <0.0403                 | --                       |
| 2,4,5-Trichlorophenol                   | mg/Kg           | 0.005       | --                                 | --                                 | <0.0706                 | --                       |
| 2,4,6-Trichlorophenol                   | mg/Kg           | 0.005       | --                                 | --                                 | <0.0605                 | --                       |
| 2,4-Dichlorophenol                      | mg/Kg           | 0.005       | --                                 | --                                 | <0.0807                 | --                       |
| 2,4-Dimethylphenol                      | mg/Kg           | 0.005       | --                                 | --                                 | <0.0605                 | --                       |
| 2,4-Dinitrophenol                       | mg/Kg           | 0.005       | --                                 | --                                 | <0.0504                 | --                       |
| 2,6-Dichlorophenol                      | mg/Kg           | 0.005       | --                                 | --                                 | <0.0605                 | --                       |
| 2-Methylnaphthalene                     | mg/Kg           | 0.03        | --                                 | --                                 | <0.0202                 | --                       |
| 2-Methylphenol                          | mg/Kg           | 0.005       | --                                 | --                                 | <0.0706                 | --                       |
| 2-Nitrophenol                           | mg/Kg           | 0.005       | --                                 | --                                 | <0.0706                 | --                       |
| 4,6-Dinitro-2-methylphenol              | mg/Kg           | 0.005       | --                                 | --                                 | <0.0807                 | --                       |
| 4-Chloro-3-methylphenol                 | mg/Kg           | 0.005       | --                                 | --                                 | <0.0605                 | --                       |
| 4-Methylphenol                          | mg/Kg           | 0.005       | --                                 | --                                 | <0.101                  | --                       |
| 4-Nitrophenol                           | mg/Kg           | 0.005       | --                                 | --                                 | <0.141                  | --                       |
| Acenaphthene                            | mg/Kg           | 0.03        | <0.2                               | --                                 | <0.0134                 | --                       |
| Acenaphthylene                          | mg/Kg           | 0.03        | <0.2                               | --                                 | <0.00672                | --                       |
| Anthracene                              | mg/Kg           | 0.03        | <0.2                               | --                                 | <0.00672                | --                       |
| Benzo[a]anthracene                      | mg/Kg           | 0.03        | <0.2                               | --                                 | <0.0134                 | --                       |
| Benzo[a]pyrene                          | mg/Kg           | 0.0007      | <0.2                               | --                                 | <0.0202                 | --                       |
| Benzo[b]fluoranthene                    | mg/Kg           | 0.03        | <0.2                               | --                                 | <0.0134                 | --                       |
| Benzo[g,h,i]perylene                    | mg/Kg           | 0.03        | <0.2                               | --                                 | <0.0134                 | --                       |
| Benzo[k]fluoranthene                    | mg/Kg           | 0.03        | <0.2                               | --                                 | <0.0202                 | --                       |
| Chrysene                                | mg/Kg           | 0.03        | <0.2                               | --                                 | <0.0134                 | --                       |
| Dibenz[a,h]anthracene                   | mg/Kg           | 0.03        | <0.032                             | --                                 | <0.0134                 | --                       |
| Fluoranthene                            | mg/Kg           | 0.03        | <0.2                               | --                                 | <0.00672                | --                       |
| Fluorene                                | mg/Kg           | 0.03        | <0.2                               | --                                 | <0.00672                | --                       |
| Indeno[1,2,3-cd]pyrene                  | mg/Kg           | 0.03        | <0.2                               | --                                 | <0.00672                | --                       |
| Naphthalene                             | mg/Kg           | 0.03        | <0.2                               | --                                 | <0.00672                | --                       |
| Pentachlorophenol                       | mg/Kg           | 0.005       | --                                 | --                                 | <0.0908                 | --                       |
| Phenanthrene                            | mg/Kg           | 0.03        | <0.2                               | --                                 | <0.00672                | --                       |
| Phenol                                  | mg/Kg           | 0.005       | --                                 | --                                 | <0.0605                 | --                       |
| Pyrene                                  | mg/Kg           | 0.03        | <0.2                               | --                                 | <0.0134                 | --                       |
| Total Phenols                           | mg/Kg           | --          | <0.05                              | --                                 | --                      | --                       |

Summary of Soil Samples for Vadose Zone (3-4')  
Eunice Middle Gas Plant Discharge Permit (GW-005) Eunice Landfarm  
Unit Letter A (NE/4, NE/4), Sec 3, Township 22 South, Range 37 East  
Lea County, New Mexico

| Parameter                           | Reporting Units | WQQC Limits | Cell 1B (3-4) Background 7/14/2006 | Cell 1B (3-4) Background 10/4/2006 | Cell 1B (3-4) 4/16/2008 | Cell 1B (3-4) 10/28/2008 |
|-------------------------------------|-----------------|-------------|------------------------------------|------------------------------------|-------------------------|--------------------------|
| <b>PCB Compounds</b>                |                 |             |                                    |                                    |                         |                          |
| Aroclor 1016                        | mg/Kg           | 0.001       | <0.0184                            | --                                 | <0.051                  | --                       |
| Aroclor 1221                        | mg/Kg           | 0.001       | <0.0184                            | --                                 | <0.051                  | --                       |
| Aroclor 1232                        | mg/Kg           | 0.001       | <0.0184                            | --                                 | <0.051                  | --                       |
| Aroclor 1242                        | mg/Kg           | 0.001       | <0.0184                            | --                                 | <0.051                  | --                       |
| Aroclor 1248                        | mg/Kg           | 0.001       | <0.0184                            | --                                 | <0.051                  | --                       |
| Aroclor 1254                        | mg/Kg           | 0.001       | <0.0184                            | --                                 | <0.051                  | --                       |
| Aroclor 1260                        | mg/Kg           | 0.001       | <0.0184                            | --                                 | <0.051                  | --                       |
| <b>Metals</b>                       |                 |             |                                    |                                    |                         |                          |
| Arsenic                             | mg/Kg           | 0.1         | 2.79                               | 2.94                               | 1.56                    | <b>3.77</b>              |
| Barium                              | mg/Kg           | 1.0         | 157                                | 99.1                               | 25.2                    | <b>190</b>               |
| Cadmium                             | mg/Kg           | 0.01        | <0.346                             | <0.173                             | <0.102                  | <0.108                   |
| Chromium                            | mg/Kg           | 0.05        | 80.0                               | 5.27                               | 6.22                    | 4.50                     |
| Copper                              | mg/Kg           | 1.0         | 21.4                               | 5.05                               | 4.08                    | 3.43                     |
| Iron                                | mg/Kg           | 1.0         | 4100                               | 2090                               | <b>4580</b>             | <b>3230</b>              |
| Lead                                | mg/Kg           | 0.05        | 6.86                               | 49.1                               | 3.22                    | 2.60                     |
| Manganese                           | mg/Kg           | 0.2         | 75.7                               | 2.17                               | 48.6                    | 33.7                     |
| Selenium                            | mg/Kg           | 0.05        | 0.506                              | 0.163                              | <b>0.516</b>            | <b>0.841</b>             |
| Silver                              | mg/Kg           | 0.05        | <0.202                             | 0.242                              | <0.102                  | <0.108                   |
| Uranium                             | mg/Kg           | 0.03        | --                                 | --                                 | <1.02                   | <1.08                    |
| Zinc                                | mg/Kg           | 10.0        | 50.1                               | 18.6                               | 11.0                    | 6.77                     |
| Mercury                             | mg/Kg           | 0.002       | 0.1308                             | 0.0105                             | <0.0159                 | <0.0171                  |
| <b>Total Petroleum Hydrocarbons</b> |                 |             |                                    |                                    |                         |                          |
| TPH - GRO                           | mg/Kg           | --          | <10                                | --                                 | <2.98                   | <0.0631                  |
| TPH - DRO                           | mg/Kg           | --          | <10                                | --                                 | <0.0608                 | <3.44                    |
| TPH - Total (8015B)                 | mg/Kg           | 500         | <10                                | --                                 | <3.0408                 | <3.5031                  |
| <b>Inorganic Compounds</b>          |                 |             |                                    |                                    |                         |                          |
| Chloride                            | mg/Kg           | 250         | <b>589</b>                         | --                                 | 25.3                    | <b>1770</b>              |
| Fluoride                            | mg/Kg           | 1.6         | 12.8                               | --                                 | 1.43                    | --                       |
| Nitrate-N                           | mg/Kg           | 10.0        | 2.66                               | --                                 | 8.49                    | --                       |
| Sulfate                             | mg/Kg           | 600         | 86.2                               | --                                 | 32.7                    | --                       |
| Cyanide, Total                      | mg/Kg           | 0.2         | <0.09                              | --                                 | <0.164                  | --                       |
| pH                                  | pH Units        | 6 - 9       | --                                 | --                                 | 8.55                    | --                       |
| <b>Radioactivity</b>                |                 |             |                                    |                                    |                         |                          |
| Radium 226 & Radium 228             | pCi/gm          | 30          | --                                 | --                                 | <1.99                   | --                       |

WQQC limits are based on the 3101 Standard for Ground

1. mg/Kg: milligrams per kilogram
2. <: Less than method detection limit

Summary of Soil Samples for Vadose Zone (3-4')  
Eunice Middle Gas Plant Discharge Permit (GW-005) Eunice Landfarm  
Unit Letter A (NE/4, NE/4), Sec 3, Township 22 South, Range 37 East  
Lea County, New Mexico

| Parameter                               | Reporting Units | WQQC Limits | Cell 1C (3-4) Background 2006 | Cell 1C (3-4) Background 2006 | Cell 1C (3-4) Background 2006 | Cell 1C (3-4) 4/16/2008 | Cell 1C-1 (3-4) 4/16/2008 |
|-----------------------------------------|-----------------|-------------|-------------------------------|-------------------------------|-------------------------------|-------------------------|---------------------------|
| <b>Volatile Organic Compounds</b>       |                 |             |                               |                               |                               |                         |                           |
| 1,1,1-Trichloroethane                   | mg/Kg           | 0.06        | <0.025                        | <0.025                        | <0.025                        | <0.00106                | <0.001                    |
| 1,1,2,2-Tetrachloroethane               | mg/Kg           | 0.01        | <0.025                        | <0.025                        | <0.025                        | <0.00106                | <0.001                    |
| 1,1,2-Trichloroethane                   | mg/Kg           | 0.01        | <0.025                        | <0.025                        | <0.025                        | <0.00106                | <0.001                    |
| 1,1-Dichloroethane                      | mg/Kg           | 0.025       | <0.025                        | <0.025                        | <0.025                        | <0.00106                | <0.001                    |
| 1,1-Dichloroethene                      | mg/Kg           | 0.005       | <0.025                        | <0.025                        | <0.025                        | <0.00106                | <0.001                    |
| 1,2-Dibromoethane                       | mg/Kg           | 0.0001      | <0.025                        | <0.025                        | <0.025                        | <0.00106                | <0.001                    |
| 1,2-Dichloroethane                      | mg/Kg           | 0.01        | <0.025                        | <0.025                        | <0.025                        | <0.00106                | <0.001                    |
| Benzene                                 | mg/Kg           | 0.01        | <0.025                        | <0.025                        | <0.025                        | <0.00106                | <0.001                    |
| Carbon tetrachloride                    | mg/Kg           | 0.01        | <0.025                        | <0.025                        | <0.025                        | <0.00106                | <0.001                    |
| Chloroform                              | mg/Kg           | 0.1         | <0.025                        | <0.025                        | <0.025                        | <0.00106                | <0.001                    |
| Ethylbenzene                            | mg/Kg           | 0.75        | <0.025                        | <0.025                        | <0.025                        | <b>0.0965</b>           | <0.001                    |
| Methylene chloride                      | mg/Kg           | 0.1         | <0.025                        | <0.025                        | <0.025                        | <0.0053                 | <0.00501                  |
| Tetrachloroethene                       | mg/Kg           | 0.02        | <0.025                        | <0.025                        | <0.025                        | <0.00106                | <0.001                    |
| Toluene                                 | mg/Kg           | 0.75        | <0.025                        | <0.025                        | <0.025                        | <0.00106                | <0.001                    |
| Total Xylenes                           | mg/Kg           | 0.62        | <0.025                        | <0.025                        | <0.025                        | <b>0.0583</b>           | <0.001                    |
| Trichloroethene                         | mg/Kg           | 0.1         | <0.025                        | <0.025                        | <0.025                        | <0.00106                | <0.001                    |
| Vinyl chloride                          | mg/Kg           | 0.001       | <0.025                        | <0.025                        | <0.025                        | <0.00106                | <0.001                    |
| <b>Semivolatile &amp; PAH Compounds</b> |                 |             |                               |                               |                               |                         |                           |
| 1-Methylnaphthalene                     | mg/Kg           | 0.03        | --                            | --                            | 0.0479                        | <b>1.53</b>             | <0.0534                   |
| 2,3,4,6-Tetrachlorophenol               | mg/Kg           | 0.005       | --                            | --                            | --                            | <0.0407                 | <0.0427                   |
| 2,4,5-Trichlorophenol                   | mg/Kg           | 0.005       | --                            | --                            | --                            | <0.0712                 | <0.0748                   |
| 2,4,6-Trichlorophenol                   | mg/Kg           | 0.005       | --                            | --                            | --                            | <0.061                  | <0.0641                   |
| 2,4-Dichlorophenol                      | mg/Kg           | 0.005       | --                            | --                            | --                            | <0.0813                 | <0.0855                   |
| 2,4-Dimethylphenol                      | mg/Kg           | 0.005       | --                            | --                            | --                            | <0.061                  | <0.0641                   |
| 2,4-Dinitrophenol                       | mg/Kg           | 0.005       | --                            | --                            | --                            | <0.0508                 | <0.0534                   |
| 2,6-Dichlorophenol                      | mg/Kg           | 0.005       | --                            | --                            | --                            | <0.061                  | <0.0641                   |
| 2-Methylnaphthalene                     | mg/Kg           | 0.03        | --                            | --                            | --                            | <b>1.53</b>             | <0.0214                   |
| 2-Methylphenol                          | mg/Kg           | 0.005       | --                            | --                            | --                            | <0.0712                 | <0.0748                   |
| 2-Nitrophenol                           | mg/Kg           | 0.005       | --                            | --                            | --                            | <0.0712                 | <0.0748                   |
| 4,6-Dinitro-2-methylphenol              | mg/Kg           | 0.005       | --                            | --                            | --                            | <0.0813                 | <0.0855                   |
| 4-Chloro-3-methylphenol                 | mg/Kg           | 0.005       | --                            | --                            | --                            | <0.061                  | <0.0641                   |
| 4-Methylphenol                          | mg/Kg           | 0.005       | --                            | --                            | --                            | <0.102                  | <0.107                    |
| 4-Nitrophenol                           | mg/Kg           | 0.005       | --                            | --                            | --                            | <0.142                  | <0.15                     |
| Acenaphthene                            | mg/Kg           | 0.03        | <0.2                          | <0.2                          | --                            | <0.0136                 | <0.0142                   |
| Acenaphthylene                          | mg/Kg           | 0.03        | <0.2                          | <0.2                          | --                            | <0.00678                | <0.00712                  |
| Anthracene                              | mg/Kg           | 0.03        | <0.2                          | <0.2                          | --                            | <0.00678                | <0.00712                  |
| Benzo[a]anthracene                      | mg/Kg           | 0.03        | <0.2                          | <0.2                          | --                            | <0.0136                 | <0.0142                   |
| Benzo[a]pyrene                          | mg/Kg           | 0.0007      | <0.2                          | <0.2                          | --                            | <0.0203                 | <0.0214                   |
| Benzo[b]fluoranthene                    | mg/Kg           | 0.03        | <0.2                          | <0.2                          | --                            | <0.0136                 | <0.0142                   |
| Benzo[g,h,i]perylene                    | mg/Kg           | 0.03        | <0.2                          | <0.2                          | --                            | <0.0136                 | <0.0142                   |
| Benzo[k]fluoranthene                    | mg/Kg           | 0.03        | <0.2                          | <0.2                          | --                            | <0.0203                 | <0.0214                   |
| Chrysene                                | mg/Kg           | 0.03        | <0.2                          | <0.2                          | --                            | <0.0136                 | <0.0142                   |
| Dibenz[a,h]anthracene                   | mg/Kg           | 0.03        | <0.032                        | <0.032                        | --                            | <0.0136                 | <0.0142                   |
| Fluoranthene                            | mg/Kg           | 0.03        | <0.2                          | <0.2                          | --                            | <0.00678                | <0.00712                  |
| Fluorene                                | mg/Kg           | 0.03        | <0.2                          | <0.2                          | --                            | <0.00678                | <0.00712                  |
| Indeno[1,2,3-cd]pyrene                  | mg/Kg           | 0.03        | <0.2                          | <0.2                          | --                            | <0.00678                | <0.00712                  |
| Naphthalene                             | mg/Kg           | 0.03        | <0.2                          | <0.2                          | --                            | <b>0.178</b>            | <0.00712                  |
| Pentachlorophenol                       | mg/Kg           | 0.005       | --                            | --                            | --                            | <0.0915                 | <0.0962                   |
| Phenanthrene                            | mg/Kg           | 0.03        | <0.2                          | <0.2                          | --                            | <b>0.0484</b>           | <0.00712                  |
| Phenol                                  | mg/Kg           | 0.005       | --                            | --                            | --                            | <0.061                  | <0.0641                   |
| Pyrene                                  | mg/Kg           | 0.03        | <0.2                          | <0.2                          | --                            | <0.0136                 | <0.0142                   |
| Total Phenols                           | mg/Kg           | --          | <0.05                         | <0.05                         | --                            | --                      | --                        |

Summary of Soil Samples for Vadose Zone (3-4')  
Eunice Middle Gas Plant Discharge Permit (GW-005) Eunice Landfarm  
Unit Letter A (NE/4, NE/4), Sec 3, Township 22 South, Range 37 East  
Lea County, New Mexico

| Parameter                           | Reporting Units | WQQC Limits | Cell 1C (3-4) Background 2006 | Cell 1C (3-4) Background 2006 | Cell 1C (3-4) Background 2006 | Cell 1C (3-4) 4/16/2008 | Cell 1C-1 (3-4) 4/16/2008 |
|-------------------------------------|-----------------|-------------|-------------------------------|-------------------------------|-------------------------------|-------------------------|---------------------------|
| <b>PCB Compounds</b>                |                 |             |                               |                               |                               |                         |                           |
| Aroclor 1016                        | mg/Kg           | 0.001       | <0.0186                       | --                            | --                            | <0.0503                 | <0.0499                   |
| Aroclor 1221                        | mg/Kg           | 0.001       | <0.0186                       | --                            | --                            | <0.0503                 | <0.0499                   |
| Aroclor 1232                        | mg/Kg           | 0.001       | <0.0186                       | --                            | --                            | <0.0503                 | <0.0499                   |
| Aroclor 1242                        | mg/Kg           | 0.001       | <0.0186                       | --                            | --                            | <0.0503                 | <0.0499                   |
| Aroclor 1248                        | mg/Kg           | 0.001       | <0.0186                       | --                            | --                            | <b>0.0775</b>           | <0.0499                   |
| Aroclor 1254                        | mg/Kg           | 0.001       | <0.0186                       | --                            | --                            | <0.0503                 | <0.0499                   |
| Aroclor 1260                        | mg/Kg           | 0.001       | <0.0186                       | --                            | --                            | <0.0503                 | <0.0499                   |
| <b>Metals</b>                       |                 |             |                               |                               |                               |                         |                           |
| Arsenic                             | mg/Kg           | 0.1         | 1.46                          | 2.87                          | 2.43                          | <b>3.67</b>             | <b>3.62</b>               |
| Barium                              | mg/Kg           | 1.0         | 51.3                          | 91.2                          | 116                           | <b>321</b>              | <b>140</b>                |
| Cadmium                             | mg/Kg           | 0.01        | <0.346                        | 0.118                         | <0.173                        | 0.114                   | <0.102                    |
| Chromium                            | mg/Kg           | 0.05        | 7.48                          | 2.24                          | 2.77                          | 1.80                    | 2.77                      |
| Copper                              | mg/Kg           | 1.0         | 4.08                          | 2.98                          | 3.65                          | <b>4.36</b>             | <b>5.64</b>               |
| Iron                                | mg/Kg           | 1.0         | 4910                          | 1110                          | 1300                          | 1320                    | 1630                      |
| Lead                                | mg/Kg           | 0.05        | 3.16                          | 1.61                          | 1.51                          | 0.766                   | 1.23                      |
| Manganese                           | mg/Kg           | 0.2         | 72.8                          | 66.3                          | 17.8                          | 14.2                    | 18.7                      |
| Selenium                            | mg/Kg           | 0.05        | <1.50                         | <0.751                        | <0.751                        | <0.16                   | 0.575                     |
| Silver                              | mg/Kg           | 0.05        | <0.202                        | 0.0364                        | 0.235                         | <0.107                  | <0.102                    |
| Uranium                             | mg/Kg           | 0.03        | <5.59                         | --                            | --                            | <1.07                   | <1.02                     |
| Zinc                                | mg/Kg           | 10.0        | 20.5                          | 5.95                          | 8.68                          | 5.12                    | 6.09                      |
| Mercury                             | mg/Kg           | 0.002       | 0.06681                       | 0.04745                       | 0.003743                      | <0.0163                 | <0.0158                   |
| <b>Total Petroleum Hydrocarbons</b> |                 |             |                               |                               |                               |                         |                           |
| TPH - GRO                           | mg/Kg           | --          | <10                           | --                            | --                            | <b>336</b>              | <3.05                     |
| TPH - DRO                           | mg/Kg           | --          | <10                           | --                            | --                            | <b>14.4</b>             | <0.063                    |
| TPH - Total (8015B)                 | mg/Kg           | 500         | <10                           | --                            | --                            | <b>350.4</b>            | <3.113                    |
| <b>Inorganic Compounds</b>          |                 |             |                               |                               |                               |                         |                           |
| Chloride                            | mg/Kg           | 250         | 115                           | 744                           | --                            | <b>1190</b>             | 52.8                      |
| Fluoride                            | mg/Kg           | 1.6         | 5.66                          | 4.56                          | --                            | <b>8.58</b>             | 5.30                      |
| Nitrate-N                           | mg/Kg           | 10.0        | 0.835                         | 0.670                         | --                            | <5.37                   | <5.42                     |
| Sulfate                             | mg/Kg           | 600         | 48.0                          | 129                           | --                            | 34.6                    | 26.3                      |
| Cyanide, Total                      | mg/Kg           | 0.2         | <0.09                         | <0.09                         | <0.09                         | <0.207                  | <0.198                    |
| pH                                  | pH Units        | 6 - 9       |                               |                               |                               | 8.86                    | 8.76                      |
| <b>Radioactivity</b>                |                 |             |                               |                               |                               |                         |                           |
| Radium 226 & Radium 228             | pCi/gm          | 30          | --                            | --                            | --                            | <1.97                   | <1.54                     |

WQQC limits are based on the 3101 Standard for Ground

1. mg/Kg: milligrams per kilogram

2. <: Less than method detection limit

Summary of Soil Samples for Vadose Zone (3-4')  
Eunice Middle Gas Plant Discharge Permit (GW-005) Eunice Landfarm  
Unit Letter A (NE/4, NE/4), Sec 3, Township 22 South, Range 37 East  
Lea County, New Mexico

| Parameter                                | Reporting Units | WQQC Limits | Cell 1C (3-4) 10/28/2008 | Cell 1C-1 (3-4) 10/28/2008 | Cell 2A (3-4) Background 2006 | Cell 2A (3-4) 4/16/2008 | Cell 2A (3-4) 10/28/2008 |
|------------------------------------------|-----------------|-------------|--------------------------|----------------------------|-------------------------------|-------------------------|--------------------------|
| <b>Volatile Organic Compounds</b>        |                 |             |                          |                            |                               |                         |                          |
| 1,1,1-Trichloroethane                    | mg/Kg           | 0.06        | --                       | --                         | <0.025                        | <0.000992               | --                       |
| 1,1,2,2-Tetrachloroethane                | mg/Kg           | 0.01        | --                       | --                         | <0.025                        | <0.000992               | --                       |
| 1,1,2-Trichloroethane                    | mg/Kg           | 0.01        | --                       | --                         | <0.025                        | <0.000992               | --                       |
| 1,1-Dichloroethane                       | mg/Kg           | 0.025       | --                       | --                         | <0.025                        | <0.000992               | --                       |
| 1,1-Dichloroethene                       | mg/Kg           | 0.005       | --                       | --                         | <0.025                        | <0.000992               | --                       |
| 1,2-Dibromoethane                        | mg/Kg           | 0.0001      | --                       | --                         | <0.025                        | <0.000992               | --                       |
| 1,2-Dichloroethane                       | mg/Kg           | 0.01        | --                       | --                         | <0.025                        | <0.000992               | --                       |
| Benzene                                  | mg/Kg           | 0.01        | <0.00293                 | <0.00268                   | <0.025                        | <0.000992               | <0.00298                 |
| Carbon tetrachloride                     | mg/Kg           | 0.01        | --                       | --                         | <0.025                        | <0.000992               | --                       |
| Chloroform                               | mg/Kg           | 0.1         | --                       | --                         | <0.025                        | <0.000992               | --                       |
| Ethylbenzene                             | mg/Kg           | 0.75        | <0.00489                 | <0.00446                   | <0.025                        | <0.000992               | <0.00497                 |
| Methylene chloride                       | mg/Kg           | 0.1         | --                       | --                         | <0.025                        | <0.00496                | --                       |
| Tetrachloroethene                        | mg/Kg           | 0.02        | --                       | --                         | <0.025                        | <0.000992               | --                       |
| Toluene                                  | mg/Kg           | 0.75        | <0.00489                 | <0.00446                   | <0.025                        | <0.000992               | <0.00497                 |
| Total Xylenes                            | mg/Kg           | 0.62        | <0.00489                 | <0.00446                   | <0.025                        | <0.000992               | <0.00497                 |
| Trichloroethene                          | mg/Kg           | 0.1         | --                       | --                         | <0.025                        | <0.000992               | --                       |
| Vinyl chloride                           | mg/Kg           | 0.001       | --                       | --                         | <0.025                        | <0.000992               | --                       |
| <b>Semivolatiles &amp; PAH Compounds</b> |                 |             |                          |                            |                               |                         |                          |
| 1-Methylnaphthalene                      | mg/Kg           | 0.03        | --                       | --                         | --                            | <0.0535                 | --                       |
| 2,3,4,6-Tetrachlorophenol                | mg/Kg           | 0.005       | --                       | --                         | --                            | <0.0428                 | --                       |
| 2,4,5-Trichlorophenol                    | mg/Kg           | 0.005       | --                       | --                         | --                            | <0.0748                 | --                       |
| 2,4,6-Trichlorophenol                    | mg/Kg           | 0.005       | --                       | --                         | --                            | <0.0641                 | --                       |
| 2,4-Dichlorophenol                       | mg/Kg           | 0.005       | --                       | --                         | --                            | <0.0855                 | --                       |
| 2,4-Dimethylphenol                       | mg/Kg           | 0.005       | --                       | --                         | --                            | <0.0641                 | --                       |
| 2,4-Dinitrophenol                        | mg/Kg           | 0.005       | --                       | --                         | --                            | <0.0535                 | --                       |
| 2,6-Dichlorophenol                       | mg/Kg           | 0.005       | --                       | --                         | --                            | <0.0641                 | --                       |
| 2-Methylnaphthalene                      | mg/Kg           | 0.03        | --                       | --                         | --                            | <0.0214                 | --                       |
| 2-Methylphenol                           | mg/Kg           | 0.005       | --                       | --                         | --                            | <0.0748                 | --                       |
| 2-Nitrophenol                            | mg/Kg           | 0.005       | --                       | --                         | --                            | <0.0748                 | --                       |
| 4,6-Dinitro-2-methylphenol               | mg/Kg           | 0.005       | --                       | --                         | --                            | <0.0855                 | --                       |
| 4-Chloro-3-methylphenol                  | mg/Kg           | 0.005       | --                       | --                         | --                            | <0.0641                 | --                       |
| 4-Methylphenol                           | mg/Kg           | 0.005       | --                       | --                         | --                            | <0.107                  | --                       |
| 4-Nitrophenol                            | mg/Kg           | 0.005       | --                       | --                         | --                            | <0.15                   | --                       |
| Acenaphthene                             | mg/Kg           | 0.03        | --                       | --                         | <0.2                          | <0.0143                 | --                       |
| Acenaphthylene                           | mg/Kg           | 0.03        | --                       | --                         | <0.2                          | <0.00713                | --                       |
| Anthracene                               | mg/Kg           | 0.03        | --                       | --                         | <0.2                          | <0.00713                | --                       |
| Benzo[a]anthracene                       | mg/Kg           | 0.03        | --                       | --                         | <0.2                          | <0.0143                 | --                       |
| Benzo[a]pyrene                           | mg/Kg           | 0.0007      | --                       | --                         | <0.2                          | <0.0214                 | --                       |
| Benzo[b]fluoranthene                     | mg/Kg           | 0.03        | --                       | --                         | <0.2                          | <0.0143                 | --                       |
| Benzo[g,h,i]perylene                     | mg/Kg           | 0.03        | --                       | --                         | <0.2                          | <0.0143                 | --                       |
| Benzo[k]fluoranthene                     | mg/Kg           | 0.03        | --                       | --                         | <0.2                          | <0.0214                 | --                       |
| Chrysene                                 | mg/Kg           | 0.03        | --                       | --                         | <0.2                          | <0.0143                 | --                       |
| Dibenz[a,h]anthracene                    | mg/Kg           | 0.03        | --                       | --                         | <0.032                        | <0.0143                 | --                       |
| Fluoranthene                             | mg/Kg           | 0.03        | --                       | --                         | <0.2                          | <0.00713                | --                       |
| Fluorene                                 | mg/Kg           | 0.03        | --                       | --                         | <0.2                          | <0.00713                | --                       |
| Indeno[1,2,3-cd]pyrene                   | mg/Kg           | 0.03        | --                       | --                         | <0.2                          | <0.00713                | --                       |
| Naphthalene                              | mg/Kg           | 0.03        | --                       | --                         | <0.2                          | <0.00713                | --                       |
| Pentachlorophenol                        | mg/Kg           | 0.005       | --                       | --                         | --                            | <0.0962                 | --                       |
| Phenanthrene                             | mg/Kg           | 0.03        | --                       | --                         | <0.2                          | <0.00713                | --                       |
| Phenol                                   | mg/Kg           | 0.005       | --                       | --                         | --                            | <0.0641                 | --                       |
| Pyrene                                   | mg/Kg           | 0.03        | --                       | --                         | <0.2                          | <0.0143                 | --                       |
| Total Phenols                            | mg/Kg           | --          | --                       | --                         | <0.5                          | --                      | --                       |

Summary of Soil Samples for Vadose Zone (3-4')  
Eunice Middle Gas Plant Discharge Permit (GW-005) Eunice Landfarm  
Unit Letter A (NE/4, NE/4), Sec 3, Township 22 South, Range 37 East  
Lea County, New Mexico

| Parameter                           | Reporting Units | WQQC Limits | Cell 1C (3-4)<br>10/28/2008 | Cell 1C-1 (3-4)<br>10/28/2008 | Cell 2A (3-4)<br>Background<br>2006 | Cell 2A (3-4)<br>4/16/2008 | Cell 2A (3-4)<br>10/28/2008 |
|-------------------------------------|-----------------|-------------|-----------------------------|-------------------------------|-------------------------------------|----------------------------|-----------------------------|
| <b>PCB Compounds</b>                |                 |             |                             |                               |                                     |                            |                             |
| Aroclor 1016                        | mg/Kg           | 0.001       | --                          | --                            | <0.0173                             | <0.0521                    | --                          |
| Aroclor 1221                        | mg/Kg           | 0.001       | --                          | --                            | <0.0173                             | <0.0521                    | --                          |
| Aroclor 1232                        | mg/Kg           | 0.001       | --                          | --                            | <0.0173                             | <0.0521                    | --                          |
| Aroclor 1242                        | mg/Kg           | 0.001       | --                          | --                            | <0.0173                             | <0.0521                    | --                          |
| Aroclor 1248                        | mg/Kg           | 0.001       | --                          | --                            | <0.0173                             | <0.0521                    | --                          |
| Aroclor 1254                        | mg/Kg           | 0.001       | --                          | --                            | <0.0173                             | <0.0521                    | --                          |
| Aroclor 1260                        | mg/Kg           | 0.001       | --                          | --                            | <0.0173                             | <0.0521                    | --                          |
| <b>Metals</b>                       |                 |             |                             |                               |                                     |                            |                             |
| Arsenic                             | mg/Kg           | 0.1         | <b>3.43</b>                 | <b>4.21</b>                   | 6.02                                | 5.48                       | 3.70                        |
| Barium                              | mg/Kg           | 1.0         | <b>292</b>                  | <b>436</b>                    | 481                                 | 134                        | <b>1290</b>                 |
| Cadmium                             | mg/Kg           | 0.01        | <0.0952                     | <b>0.183</b>                  | <0.346                              | <0.102                     | <0.101                      |
| Chromium                            | mg/Kg           | 0.05        | 1.58                        | 2.48                          | 2.09                                | <b>2.62</b>                | 1.40                        |
| Copper                              | mg/Kg           | 1.0         | <b>2.81</b>                 | <b>3.73</b>                   | 4.46                                | 3.71                       | <b>9.59</b>                 |
| Iron                                | mg/Kg           | 1.0         | 1220                        | 2080                          | 905                                 | <b>2020</b>                | <b>1290</b>                 |
| Lead                                | mg/Kg           | 0.05        | 0.968                       | 1.95                          | 0.607                               | <b>1.53</b>                | <b>1.18</b>                 |
| Manganese                           | mg/Kg           | 0.2         | 14.1                        | 43.2                          | 19.5                                | <b>22.2</b>                | 15.6                        |
| Selenium                            | mg/Kg           | 0.05        | 0.484                       | 0.916                         | <0.751                              | 0.334                      | 0.355                       |
| Silver                              | mg/Kg           | 0.05        | <0.0952                     | <0.0994                       | <0.202                              | <0.102                     | <0.101                      |
| Uranium                             | mg/Kg           | 0.03        | <0.952                      | <0.994                        | <5.06                               | <1.02                      | <1.01                       |
| Zinc                                | mg/Kg           | 10.0        | 3.60                        | 8.30                          | 5.75                                | 3.57                       | <b>8.65</b>                 |
| Mercury                             | mg/Kg           | 0.002       | <0.0147                     | <0.0149                       | 0.01469                             | <0.0172                    | <0.017                      |
| <b>Total Petroleum Hydrocarbons</b> |                 |             |                             |                               |                                     |                            |                             |
| TPH - GRO                           | mg/Kg           | --          | <0.0569                     | <0.0615                       | <10                                 | <3.17                      | <0.0591                     |
| TPH - DRO                           | mg/Kg           | --          | <3.26                       | <3.09                         | <10                                 | <0.0665                    | 7.93                        |
| TPH - Total (8015B)                 | mg/Kg           | 500         | <3.3169                     | <3.1515                       | <10                                 | <3.2365                    | <b>7.93</b>                 |
| <b>Inorganic Compounds</b>          |                 |             |                             |                               |                                     |                            |                             |
| Chloride                            | mg/Kg           | 250         | 80.6                        | 14.1                          | <b>320</b>                          | 31.9                       | 18.3                        |
| Fluoride                            | mg/Kg           | 1.6         | --                          | --                            | 2.76                                | <b>4.20</b>                | --                          |
| Nitrate-N                           | mg/Kg           | 10.0        | --                          | --                            | 0.952                               | <5.55                      | --                          |
| Sulfate                             | mg/Kg           | 600         | --                          | --                            | 523                                 | 72.8                       | --                          |
| Cyanide, Total                      | mg/Kg           | 0.2         | --                          | --                            | <0.09                               | <0.175                     | --                          |
| pH                                  | pH Units        | 6 - 9       | --                          | --                            | --                                  | 8.30                       | --                          |
| <b>Radioactivity</b>                |                 |             |                             |                               |                                     |                            |                             |
| Radium 226 & Radium 228             | pCi/gm          | 30          | --                          | --                            | --                                  | <1.56                      | --                          |

WQQC limits are based on the 3101 Standard for Ground

1. mg/Kg: milligrams per kilogram

2. <: Less than method detection limit

Summary of Soil Samples for Vadose Zone (3-4')  
 Eunice Middle Gas Plant Discharge Permit (GW-005) Eunice Landfarm  
 Unit Letter A (NE/4, NE/4), Sec 3, Township 22 South, Range 37 East  
 Lea County, New Mexico

| Parameter                               | Reporting Units | WQQC Limits | Cell 2B (3-4) Background 2006 | Cell 2B (3-4) 4/16/2008 | Cell 2B (3-4) 10/28/2008 |
|-----------------------------------------|-----------------|-------------|-------------------------------|-------------------------|--------------------------|
| <b>Volatile Organic Compounds</b>       |                 |             |                               |                         |                          |
| 1,1,1-Trichloroethane                   | mg/Kg           | 0.06        | <0.025                        | <0.000982               | --                       |
| 1,1,2,2-Tetrachloroethane               | mg/Kg           | 0.01        | <0.025                        | <0.000982               | --                       |
| 1,1,2-Trichloroethane                   | mg/Kg           | 0.01        | <0.025                        | <0.000982               | --                       |
| 1,1-Dichloroethane                      | mg/Kg           | 0.025       | <0.025                        | <0.000982               | --                       |
| 1,1-Dichloroethene                      | mg/Kg           | 0.005       | <0.025                        | <0.000982               | --                       |
| 1,2-Dibromoethane                       | mg/Kg           | 0.0001      | <0.025                        | <0.000982               | --                       |
| 1,2-Dichloroethane                      | mg/Kg           | 0.01        | <0.025                        | <0.000982               | --                       |
| Benzene                                 | mg/Kg           | 0.01        | <0.025                        | <0.000982               | <0.00291                 |
| Carbon tetrachloride                    | mg/Kg           | 0.01        | <0.025                        | <0.000982               | --                       |
| Chloroform                              | mg/Kg           | 0.1         | <0.025                        | <0.000982               | --                       |
| Ethylbenzene                            | mg/Kg           | 0.75        | <0.025                        | <0.000982               | <0.00485                 |
| Methylene chloride                      | mg/Kg           | 0.1         | <0.025                        | <0.00491                | --                       |
| Tetrachloroethene                       | mg/Kg           | 0.02        | <0.025                        | <0.000982               | --                       |
| Toluene                                 | mg/Kg           | 0.75        | <0.025                        | <0.000982               | <0.00485                 |
| Total Xylenes                           | mg/Kg           | 0.62        | <0.025                        | <0.000982               | <0.00485                 |
| Trichloroethene                         | mg/Kg           | 0.1         | <0.025                        | <0.000982               | --                       |
| Vinyl chloride                          | mg/Kg           | 0.001       | <0.025                        | <0.000982               | --                       |
| <b>Semivolatile &amp; PAH Compounds</b> |                 |             |                               |                         |                          |
| 1-Methylnaphthalene                     | mg/Kg           | 0.03        | 0.196                         | <0.0517                 | --                       |
| 2,3,4,6-Tetrachlorophenol               | mg/Kg           | 0.005       | --                            | <0.0414                 | --                       |
| 2,4,5-Trichlorophenol                   | mg/Kg           | 0.005       | --                            | <0.0724                 | --                       |
| 2,4,6-Trichlorophenol                   | mg/Kg           | 0.005       | --                            | <0.062                  | --                       |
| 2,4-Dichlorophenol                      | mg/Kg           | 0.005       | --                            | <0.0827                 | --                       |
| 2,4-Dimethylphenol                      | mg/Kg           | 0.005       | --                            | <0.062                  | --                       |
| 2,4-Dinitrophenol                       | mg/Kg           | 0.005       | --                            | <0.0517                 | --                       |
| 2,6-Dichlorophenol                      | mg/Kg           | 0.005       | --                            | <0.062                  | --                       |
| 2-Methylnaphthalene                     | mg/Kg           | 0.03        | --                            | <0.0207                 | --                       |
| 2-Methylphenol                          | mg/Kg           | 0.005       | --                            | <0.0724                 | --                       |
| 2-Nitrophenol                           | mg/Kg           | 0.005       | --                            | <0.0724                 | --                       |
| 4,6-Dinitro-2-methylphenol              | mg/Kg           | 0.005       | --                            | <0.0827                 | --                       |
| 4-Chloro-3-methylphenol                 | mg/Kg           | 0.005       | --                            | <0.062                  | --                       |
| 4-Methylphenol                          | mg/Kg           | 0.005       | --                            | <0.103                  | --                       |
| 4-Nitrophenol                           | mg/Kg           | 0.005       | --                            | <0.145                  | --                       |
| Acenaphthene                            | mg/Kg           | 0.03        | <0.2                          | <0.0138                 | --                       |
| Acenaphthylene                          | mg/Kg           | 0.03        | <0.2                          | <0.00689                | --                       |
| Anthracene                              | mg/Kg           | 0.03        | <0.2                          | <0.00689                | --                       |
| Benzo[a]anthracene                      | mg/Kg           | 0.03        | <0.2                          | <0.0138                 | --                       |
| Benzo[a]pyrene                          | mg/Kg           | 0.0007      | <0.2                          | <0.0207                 | --                       |
| Benzo[b]fluoranthene                    | mg/Kg           | 0.03        | <0.2                          | <0.0138                 | --                       |
| Benzo[g,h,i]perylene                    | mg/Kg           | 0.03        | <0.2                          | <0.0138                 | --                       |
| Benzo[k]fluoranthene                    | mg/Kg           | 0.03        | <0.2                          | <0.0207                 | --                       |
| Chrysene                                | mg/Kg           | 0.03        | <0.2                          | <0.0138                 | --                       |
| Dibenz[a,h]anthracene                   | mg/Kg           | 0.03        | <0.032                        | <0.0138                 | --                       |
| Fluoranthene                            | mg/Kg           | 0.03        | <0.2                          | <0.00689                | --                       |
| Fluorene                                | mg/Kg           | 0.03        | <0.2                          | <0.00689                | --                       |
| Indeno[1,2,3-cd]pyrene                  | mg/Kg           | 0.03        | <0.2                          | <0.00689                | --                       |
| Naphthalene                             | mg/Kg           | 0.03        | <0.2                          | <0.00689                | --                       |
| Pentachlorophenol                       | mg/Kg           | 0.005       | --                            | <0.0931                 | --                       |
| Phenanthrene                            | mg/Kg           | 0.03        | <0.2                          | <0.00689                | --                       |
| Phenol                                  | mg/Kg           | 0.005       | --                            | <0.062                  | --                       |
| Pyrene                                  | mg/Kg           | 0.03        | <0.2                          | <0.0138                 | --                       |
| Total Phenols                           | mg/Kg           | --          | <0.5                          | --                      | --                       |



Summary of Soil Samples for Vadose Zone (3-4')  
Eunice Middle Gas Plant Discharge Permit (GW-005) Eunice Landfarm  
Unit Letter A (NE/4, NE/4), Sec 3, Township 22 South, Range 37 East  
Lea County, New Mexico

| Parameter                           | Reporting Units | WQQC Limits | Cell 2B (3-4) Background 2006 | Cell 2B (3-4) 4/16/2008 | Cell 2B (3-4) 10/28/2008 |
|-------------------------------------|-----------------|-------------|-------------------------------|-------------------------|--------------------------|
| <b>PCB Compounds</b>                |                 |             |                               |                         |                          |
| Aroclor 1016                        | mg/Kg           | 0.001       | <0.0179                       | <0.0513                 | --                       |
| Aroclor 1221                        | mg/Kg           | 0.001       | <0.0179                       | <0.0513                 | --                       |
| Aroclor 1232                        | mg/Kg           | 0.001       | <0.0179                       | <0.0513                 | --                       |
| Aroclor 1242                        | mg/Kg           | 0.001       | <0.0179                       | <0.0513                 | --                       |
| Aroclor 1248                        | mg/Kg           | 0.001       | <0.0179                       | <0.0513                 | --                       |
| Aroclor 1254                        | mg/Kg           | 0.001       | <0.0179                       | <0.0513                 | --                       |
| Aroclor 1260                        | mg/Kg           | 0.001       | <0.0179                       | <0.0513                 | --                       |
| <b>Metals</b>                       |                 |             |                               |                         |                          |
| Arsenic                             | mg/Kg           | 0.1         | 6.59                          | 4.27                    | <b>6.01</b>              |
| Barium                              | mg/Kg           | 1.0         | 1210                          | <b>767</b>              | <b>468</b>               |
| Cadmium                             | mg/Kg           | 0.01        | <0.346                        | <0.095                  | <0.102                   |
| Chromium                            | mg/Kg           | 0.05        | 2.50                          | <b>2.58</b>             | <b>2.72</b>              |
| Copper                              | mg/Kg           | 1.0         | 8.22                          | 6.08                    | 5.55                     |
| Iron                                | mg/Kg           | 1.0         | 833                           | <b>1370</b>             | <b>2390</b>              |
| Lead                                | mg/Kg           | 0.05        | 0.568                         | <b>1.03</b>             | <b>1.73</b>              |
| Manganese                           | mg/Kg           | 0.2         | 18.5                          | <b>20.4</b>             | <b>23.1</b>              |
| Selenium                            | mg/Kg           | 0.05        | <0.751                        | <b>0.241</b>            | <b>0.623</b>             |
| Silver                              | mg/Kg           | 0.05        | <0.202                        | <0.095                  | <0.102                   |
| Uranium                             | mg/Kg           | 0.03        | <5.27                         | <0.95                   | <1.02                    |
| Zinc                                | mg/Kg           | 10.0        | 7.53                          | 5.14                    | 6.47                     |
| Mercury                             | mg/Kg           | 0.002       | 0.01566                       | <0.0158                 | <0.0158                  |
| <b>Total Petroleum Hydrocarbons</b> |                 |             |                               |                         |                          |
| TPH - GRO                           | mg/Kg           | --          | <10                           | <2.94                   | 0.103                    |
| TPH - DRO                           | mg/Kg           | --          | <10                           | <0.062                  | 25.5                     |
| TPH - Total (8015B)                 | mg/Kg           | 500         | <10                           | <3.002                  | <b>25.603</b>            |
| <b>Inorganic Compounds</b>          |                 |             |                               |                         |                          |
| Chloride                            | mg/Kg           | 250         | <b>241</b>                    | <5.26                   | 45.8                     |
| Fluoride                            | mg/Kg           | 1.6         | 8.25                          | <b>3.18</b>             | --                       |
| Nitrate-N                           | mg/Kg           | 10.0        | 0.197                         | <5.26                   | --                       |
| Sulfate                             | mg/Kg           | 600         | 317                           | 48.8                    | --                       |
| Cyanide, Total                      | mg/Kg           | 0.2         | <0.09                         | <0.194                  | --                       |
| pH                                  | pH Units        | 6 - 9       | --                            | 8.24                    | --                       |
| <b>Radioactivity</b>                |                 |             |                               |                         |                          |
| Radium 226 & Radium 228             | pCi/gm          | 30          | --                            | <1.53                   | --                       |

WQQC limits are based on the 3101 Standard for Ground

1. mg/Kg: milligrams per kilogram
2. <: Less than method detection limit

Summary of Soil Samples for Vadose Zone (3-4')  
Eunice Middle Gas Plant Discharge Permit (GW-005) Eunice Landfarm  
Unit Letter A (NE/4, NE/4), Sec 3, Township 22 South, Range 37 East  
Lea County, New Mexico

| Parameter                               | Reporting Units | WQQC Limits | Cell 2C (3-4) Background 2006 | Cell 2C (3-4) 4/16/2008 | Cell 2C (3-4) 10/28/2008 |
|-----------------------------------------|-----------------|-------------|-------------------------------|-------------------------|--------------------------|
| <b>Volatile Organic Compounds</b>       |                 |             |                               |                         |                          |
| 1,1,1-Trichloroethane                   | mg/Kg           | 0.06        | <0.025                        | <0.000907               | --                       |
| 1,1,2,2-Tetrachloroethane               | mg/Kg           | 0.01        | <0.025                        | <0.000907               | --                       |
| 1,1,2-Trichloroethane                   | mg/Kg           | 0.01        | <0.025                        | <0.000907               | --                       |
| 1,1-Dichloroethane                      | mg/Kg           | 0.025       | <0.025                        | <0.000907               | --                       |
| 1,1-Dichloroethene                      | mg/Kg           | 0.005       | <0.025                        | <0.000907               | --                       |
| 1,2-Dibromoethane                       | mg/Kg           | 0.0001      | <0.025                        | <0.000907               | --                       |
| 1,2-Dichloroethane                      | mg/Kg           | 0.01        | <0.025                        | <0.000907               | --                       |
| Benzene                                 | mg/Kg           | 0.01        | <0.025                        | <0.000907               | <0.00301                 |
| Carbon tetrachloride                    | mg/Kg           | 0.01        | <0.025                        | <0.000907               | --                       |
| Chloroform                              | mg/Kg           | 0.1         | <0.025                        | <0.000907               | --                       |
| Ethylbenzene                            | mg/Kg           | 0.75        | <0.025                        | <0.000907               | <0.00502                 |
| Methylene chloride                      | mg/Kg           | 0.1         | <0.025                        | <0.00453                | --                       |
| Tetrachloroethene                       | mg/Kg           | 0.02        | <0.025                        | <0.000907               | --                       |
| Toluene                                 | mg/Kg           | 0.75        | <0.025                        | <0.000907               | <0.00502                 |
| Total Xylenes                           | mg/Kg           | 0.62        | <0.025                        | <0.000907               | <0.00502                 |
| Trichloroethene                         | mg/Kg           | 0.1         | <0.025                        | <0.000907               | --                       |
| Vinyl chloride                          | mg/Kg           | 0.001       | <0.025                        | <0.000907               | --                       |
| <b>Semivolatile &amp; PAH Compounds</b> |                 |             |                               |                         |                          |
| 1-Methylnaphthalene                     | mg/Kg           | 0.03        | 0.0424                        | <0.0515                 | --                       |
| 2,3,4,6-Tetrachlorophenol               | mg/Kg           | 0.005       | --                            | <0.0412                 | --                       |
| 2,4,5-Trichlorophenol                   | mg/Kg           | 0.005       | --                            | <0.0721                 | --                       |
| 2,4,6-Trichlorophenol                   | mg/Kg           | 0.005       | --                            | <0.0618                 | --                       |
| 2,4-Dichlorophenol                      | mg/Kg           | 0.005       | --                            | <0.0824                 | --                       |
| 2,4-Dimethylphenol                      | mg/Kg           | 0.005       | --                            | <0.0618                 | --                       |
| 2,4-Dinitrophenol                       | mg/Kg           | 0.005       | --                            | <0.0515                 | --                       |
| 2,6-Dichlorophenol                      | mg/Kg           | 0.005       | --                            | <0.0618                 | --                       |
| 2-Methylnaphthalene                     | mg/Kg           | 0.03        | --                            | <0.0206                 | --                       |
| 2-Methylphenol                          | mg/Kg           | 0.005       | --                            | <0.0721                 | --                       |
| 2-Nitrophenol                           | mg/Kg           | 0.005       | --                            | <0.0721                 | --                       |
| 4,6-Dinitro-2-methylphenol              | mg/Kg           | 0.005       | --                            | <0.0824                 | --                       |
| 4-Chloro-3-methylphenol                 | mg/Kg           | 0.005       | --                            | <0.0618                 | --                       |
| 4-Methylphenol                          | mg/Kg           | 0.005       | --                            | <0.103                  | --                       |
| 4-Nitrophenol                           | mg/Kg           | 0.005       | --                            | <0.144                  | --                       |
| Acenaphthene                            | mg/Kg           | 0.03        | <0.2                          | <0.0137                 | --                       |
| Acenaphthylene                          | mg/Kg           | 0.03        | <0.2                          | <0.00686                | --                       |
| Anthracene                              | mg/Kg           | 0.03        | <0.2                          | <0.00686                | --                       |
| Benzo[a]anthracene                      | mg/Kg           | 0.03        | <0.2                          | <0.0137                 | --                       |
| Benzo[a]pyrene                          | mg/Kg           | 0.0007      | <0.2                          | <0.0206                 | --                       |
| Benzo[b]fluoranthene                    | mg/Kg           | 0.03        | <0.2                          | <0.0137                 | --                       |
| Benzo[g,h,i]perylene                    | mg/Kg           | 0.03        | <0.2                          | <0.0137                 | --                       |
| Benzo[k]fluoranthene                    | mg/Kg           | 0.03        | <0.2                          | <0.0206                 | --                       |
| Chrysene                                | mg/Kg           | 0.03        | <0.2                          | <0.0137                 | --                       |
| Dibenz[a,h]anthracene                   | mg/Kg           | 0.03        | <0.032                        | <0.0137                 | --                       |
| Fluoranthene                            | mg/Kg           | 0.03        | <0.2                          | <0.00686                | --                       |
| Fluorene                                | mg/Kg           | 0.03        | <0.2                          | <0.00686                | --                       |
| Indeno[1,2,3-cd]pyrene                  | mg/Kg           | 0.03        | <0.2                          | <0.00686                | --                       |
| Naphthalene                             | mg/Kg           | 0.03        | <0.2                          | <0.00686                | --                       |
| Pentachlorophenol                       | mg/Kg           | 0.005       | --                            | <0.0927                 | --                       |
| Phenanthrene                            | mg/Kg           | 0.03        | <0.2                          | <0.00686                | --                       |
| Phenol                                  | mg/Kg           | 0.005       | --                            | <0.0618                 | --                       |
| Pyrene                                  | mg/Kg           | 0.03        | <0.2                          | <0.0137                 | --                       |
| Total Phenols                           | mg/Kg           | --          | <0.5                          | --                      | --                       |

Summary of Soil Samples for Vadose Zone (3-4')  
Eunice Middle Gas Plant Discharge Permit (GW-005) Eunice Landfarm  
Unit Letter A (NE/4, NE/4), Sec 3, Township 22 South, Range 37 East  
Lea County, New Mexico

| Parameter                           | Reporting Units | WQQC Limits | Cell 2C (3-4) Background 2006 | Cell 2C (3-4) 4/16/2008 | Cell 2C (3-4) 10/28/2008 |
|-------------------------------------|-----------------|-------------|-------------------------------|-------------------------|--------------------------|
| <b>PCB Compounds</b>                |                 |             |                               |                         |                          |
| Aroclor 1016                        | mg/Kg           | 0.001       | <0.0172                       | <0.0522                 | --                       |
| Aroclor 1221                        | mg/Kg           | 0.001       | <0.0172                       | <0.0522                 | --                       |
| Aroclor 1232                        | mg/Kg           | 0.001       | <0.0172                       | <0.0522                 | --                       |
| Aroclor 1242                        | mg/Kg           | 0.001       | <0.0172                       | <0.0522                 | --                       |
| Aroclor 1248                        | mg/Kg           | 0.001       | <0.0172                       | <0.0522                 | --                       |
| Aroclor 1254                        | mg/Kg           | 0.001       | <0.0172                       | <0.0522                 | --                       |
| Aroclor 1260                        | mg/Kg           | 0.001       | <0.0172                       | <0.0522                 | --                       |
| <b>Metals</b>                       |                 |             |                               |                         |                          |
| Arsenic                             | mg/Kg           | 0.1         | 4.2                           | <b>5.29</b>             | 3.57                     |
| Barium                              | mg/Kg           | 1.0         | 195                           | <b>1150</b>             | <b>702</b>               |
| Cadmium                             | mg/Kg           | 0.01        | <0.346                        | <0.0934                 | <0.0967                  |
| Chromium                            | mg/Kg           | 0.05        | 2.9                           | 1.65                    | 2.39                     |
| Copper                              | mg/Kg           | 1.0         | 5.15                          | <b>15.1</b>             | <b>6.91</b>              |
| Iron                                | mg/Kg           | 1.0         | 1610                          | 1030                    | <b>2270</b>              |
| Lead                                | mg/Kg           | 0.05        | 0.77                          | <b>0.731</b>            | <b>1.71</b>              |
| Manganese                           | mg/Kg           | 0.2         | 19.6                          | <b>19.4</b>             | <b>24.9</b>              |
| Selenium                            | mg/Kg           | 0.05        | <0.751                        | <b>0.267</b>            | <b>0.570</b>             |
| Silver                              | mg/Kg           | 0.05        | <0.202                        | <0.0934                 | <0.0967                  |
| Uranium                             | mg/Kg           | 0.03        | <4.78                         | <0.934                  | <0.967                   |
| Zinc                                | mg/Kg           | 10.0        | 6.81                          | 9.18                    | 5.90                     |
| Mercury                             | mg/Kg           | 0.002       | 0.01597                       | <0.0163                 | <0.0152                  |
| <b>Total Petroleum Hydrocarbons</b> |                 |             |                               |                         |                          |
| TPH - GRO                           | mg/Kg           | --          | <10                           | <3.1                    | <0.0573                  |
| TPH - DRO                           | mg/Kg           | --          | <10                           | <0.0628                 | <3.24                    |
| TPH - Total (8015B)                 | mg/Kg           | 500         | <10                           | <3.1628                 | <3.2973                  |
| <b>Inorganic Compounds</b>          |                 |             |                               |                         |                          |
| Chloride                            | mg/Kg           | 250         | 5.28                          | <5.23                   | 75.3                     |
| Fluoride                            | mg/Kg           | 1.6         | 3.43                          | <b>3.85</b>             | --                       |
| Nitrate-N                           | mg/Kg           | 10.0        | 0.200                         | <5.23                   | --                       |
| Sulfate                             | mg/Kg           | 600         | 21.6                          | 30.1                    | --                       |
| Cyanide, Total                      | mg/Kg           | 0.2         | <0.09                         | <0.208                  | --                       |
| pH                                  | pH Units        | 6 - 9       | --                            | 8.22                    | --                       |
| <b>Radioactivity</b>                |                 |             |                               |                         |                          |
| Radium 226 & Radium 228             | pCi/gm          | 30          | --                            | <1.53                   | --                       |

WQQC limits are based on the 3101 Standard for Ground

1. mg/Kg: milligrams per kilogram
2. <: Less than method detection limit

Summary of Soil Samples for Vadose Zone (3-4')  
Eunice Middle Gas Plant Discharge Permit (GW-005) Eunice Landfarm  
Unit Letter A (NE/4, NE/4), Sec 3, Township 22 South, Range 37 East  
Lea County, New Mexico

| Parameter                               | Reporting Units | WQQC Limits | Cell 2D (3-4) Background 2006 | Cell 2D (3-4) 4/16/2008 | Cell 2D (3-4) 10/28/2008 |
|-----------------------------------------|-----------------|-------------|-------------------------------|-------------------------|--------------------------|
| <b>Volatile Organic Compounds</b>       |                 |             |                               |                         |                          |
| 1,1,1-Trichloroethane                   | mg/Kg           | 0.06        | <0.025                        | <0.000832               | --                       |
| 1,1,2,2-Tetrachloroethane               | mg/Kg           | 0.01        | <0.025                        | <0.000832               | --                       |
| 1,1,2-Trichloroethane                   | mg/Kg           | 0.01        | <0.025                        | <0.000832               | --                       |
| 1,1-Dichloroethane                      | mg/Kg           | 0.025       | <0.025                        | <0.000832               | --                       |
| 1,1-Dichloroethene                      | mg/Kg           | 0.005       | <0.025                        | <0.000832               | --                       |
| 1,2-Dibromoethane                       | mg/Kg           | 0.0001      | <0.025                        | <0.000832               | --                       |
| 1,2-Dichloroethane                      | mg/Kg           | 0.01        | <0.025                        | <0.000832               | --                       |
| Benzene                                 | mg/Kg           | 0.01        | <0.025                        | <0.000832               | <0.0027                  |
| Carbon tetrachloride                    | mg/Kg           | 0.01        | <0.025                        | <0.000832               | --                       |
| Chloroform                              | mg/Kg           | 0.1         | <0.025                        | <0.000832               | --                       |
| Ethylbenzene                            | mg/Kg           | 0.75        | <0.025                        | <0.000832               | <0.0045                  |
| Methylene chloride                      | mg/Kg           | 0.1         | <0.025                        | <0.00416                | --                       |
| Tetrachloroethene                       | mg/Kg           | 0.02        | <0.025                        | <0.000832               | --                       |
| Toluene                                 | mg/Kg           | 0.75        | <0.025                        | <0.000832               | <0.0045                  |
| Total Xylenes                           | mg/Kg           | 0.62        | <0.025                        | <0.000832               | <0.0045                  |
| Trichloroethene                         | mg/Kg           | 0.1         | <0.025                        | <0.000832               | --                       |
| Vinyl chloride                          | mg/Kg           | 0.001       | <0.025                        | <0.000832               | --                       |
| <b>Semivolatile &amp; PAH Compounds</b> |                 |             |                               |                         |                          |
| 1-Methylnaphthalene                     | mg/Kg           | 0.03        | <0.025                        | <0.0519                 | --                       |
| 2,3,4,6-Tetrachlorophenol               | mg/Kg           | 0.005       | --                            | <0.0415                 | --                       |
| 2,4,5-Trichlorophenol                   | mg/Kg           | 0.005       | --                            | <0.0726                 | --                       |
| 2,4,6-Trichlorophenol                   | mg/Kg           | 0.005       | --                            | <0.0623                 | --                       |
| 2,4-Dichlorophenol                      | mg/Kg           | 0.005       | --                            | <0.083                  | --                       |
| 2,4-Dimethylphenol                      | mg/Kg           | 0.005       | --                            | <0.0623                 | --                       |
| 2,4-Dinitrophenol                       | mg/Kg           | 0.005       | --                            | <0.0519                 | --                       |
| 2,6-Dichlorophenol                      | mg/Kg           | 0.005       | --                            | <0.0623                 | --                       |
| 2-Methylnaphthalene                     | mg/Kg           | 0.03        | --                            | <0.0208                 | --                       |
| 2-Methylphenol                          | mg/Kg           | 0.005       | --                            | <0.0726                 | --                       |
| 2-Nitrophenol                           | mg/Kg           | 0.005       | --                            | <0.0726                 | --                       |
| 4,6-Dinitro-2-methylphenol              | mg/Kg           | 0.005       | --                            | <0.083                  | --                       |
| 4-Chloro-3-methylphenol                 | mg/Kg           | 0.005       | --                            | <0.0623                 | --                       |
| 4-Methylphenol                          | mg/Kg           | 0.005       | --                            | <0.104                  | --                       |
| 4-Nitrophenol                           | mg/Kg           | 0.005       | --                            | <0.145                  | --                       |
| Acenaphthene                            | mg/Kg           | 0.03        | <0.2                          | <0.0138                 | --                       |
| Acenaphthylene                          | mg/Kg           | 0.03        | <0.2                          | <0.00692                | --                       |
| Anthracene                              | mg/Kg           | 0.03        | <0.2                          | <0.00692                | --                       |
| Benzo[a]anthracene                      | mg/Kg           | 0.03        | <0.2                          | <0.0138                 | --                       |
| Benzo[a]pyrene                          | mg/Kg           | 0.0007      | <0.2                          | <0.0208                 | --                       |
| Benzo[b]fluoranthene                    | mg/Kg           | 0.03        | <0.2                          | <0.0138                 | --                       |
| Benzo[g,h,i]perylene                    | mg/Kg           | 0.03        | <0.2                          | <0.0138                 | --                       |
| Benzo[k]fluoranthene                    | mg/Kg           | 0.03        | <0.2                          | <0.0208                 | --                       |
| Chrysene                                | mg/Kg           | 0.03        | <0.2                          | <0.0138                 | --                       |
| Dibenz[a,h]anthracene                   | mg/Kg           | 0.03        | <0.032                        | <0.0138                 | --                       |
| Fluoranthene                            | mg/Kg           | 0.03        | <0.2                          | <0.00692                | --                       |
| Fluorene                                | mg/Kg           | 0.03        | <0.2                          | <0.00692                | --                       |
| Indeno[1,2,3-cd]pyrene                  | mg/Kg           | 0.03        | <0.2                          | <0.00692                | --                       |
| Naphthalene                             | mg/Kg           | 0.03        | <0.2                          | <0.00692                | --                       |
| Pentachlorophenol                       | mg/Kg           | 0.005       | --                            | <0.0934                 | --                       |
| Phenanthrene                            | mg/Kg           | 0.03        | <0.2                          | <0.00692                | --                       |
| Phenol                                  | mg/Kg           | 0.005       | --                            | <0.0623                 | --                       |
| Pyrene                                  | mg/Kg           | 0.03        | <0.2                          | <0.0138                 | --                       |
| Total Phenols                           | mg/Kg           | --          | <0.5                          | --                      | --                       |

Summary of Soil Samples for Vadose Zone (3-4')  
Eunice Middle Gas Plant Discharge Permit (GW-005) Eunice Landfarm  
Unit Letter A (NE/4, NE/4), Sec 3, Township 22 South, Range 37 East  
Lea County, New Mexico

| Parameter                           | Reporting Units | WQQC Limits | Cell 2D (3-4) Background 2006 | Cell 2D (3-4) 4/16/2008 | Cell 2D (3-4) 10/28/2008 |
|-------------------------------------|-----------------|-------------|-------------------------------|-------------------------|--------------------------|
| <b>PCB Compounds</b>                |                 |             |                               |                         |                          |
| Aroclor 1016                        | mg/Kg           | 0.001       | <0.0175                       | <0.0494                 | --                       |
| Aroclor 1221                        | mg/Kg           | 0.001       | <0.0175                       | <0.0494                 | --                       |
| Aroclor 1232                        | mg/Kg           | 0.001       | <0.0175                       | <0.0494                 | --                       |
| Aroclor 1242                        | mg/Kg           | 0.001       | <0.0175                       | <0.0494                 | --                       |
| Aroclor 1248                        | mg/Kg           | 0.001       | <0.0175                       | <0.0494                 | --                       |
| Aroclor 1254                        | mg/Kg           | 0.001       | <0.0175                       | <0.0494                 | --                       |
| Aroclor 1260                        | mg/Kg           | 0.001       | <0.0175                       | <0.0494                 | --                       |
| <b>Metals</b>                       |                 |             |                               |                         |                          |
| Arsenic                             | mg/Kg           | 0.1         | 5.78                          | 3.28                    | 3.05                     |
| Barium                              | mg/Kg           | 1.0         | 427                           | <b>634</b>              | <b>1140</b>              |
| Cadmium                             | mg/Kg           | 0.01        | <0.346                        | <0.1                    | <0.094                   |
| Chromium                            | mg/Kg           | 0.05        | 1.87                          | <b>5.97</b>             | <b>3.29</b>              |
| Copper                              | mg/Kg           | 1.0         | 4.92                          | <b>451</b>              | <b>9.92</b>              |
| Iron                                | mg/Kg           | 1.0         | 755                           | <b>2320</b>             | <b>2490</b>              |
| Lead                                | mg/Kg           | 0.05        | 0.421                         | <b>1.50</b>             | <b>1.90</b>              |
| Manganese                           | mg/Kg           | 0.2         | 15.5                          | <b>35.8</b>             | <b>24.7</b>              |
| Selenium                            | mg/Kg           | 0.05        | <0.751                        | 0.391                   | 0.603                    |
| Silver                              | mg/Kg           | 0.05        | <0.202                        | <0.1                    | <0.094                   |
| Uranium                             | mg/Kg           | 0.03        | <5.10                         | <1                      | <0.94                    |
| Zinc                                | mg/Kg           | 10.0        | 6.18                          | <b>337</b>              | <b>9.75</b>              |
| Mercury                             | mg/Kg           | 0.002       | 0.01242                       | <0.0165                 | <0.0166                  |
| <b>Total Petroleum Hydrocarbons</b> |                 |             |                               |                         |                          |
| TPH - GRO                           | mg/Kg           | --          | <10                           | <3.1                    | <0.0527                  |
| TPH - DRO                           | mg/Kg           | --          | <10                           | <0.0577                 | 16.1                     |
| TPH - Total (8015B)                 | mg/Kg           | 500         | <10                           | <3.1577                 | <b>16.1</b>              |
| <b>Inorganic Compounds</b>          |                 |             |                               |                         |                          |
| Chloride                            | mg/Kg           | 250         | 11.5                          | 132                     | 14.4                     |
| Fluoride                            | mg/Kg           | 1.6         | 2.46                          | <b>7.22</b>             | --                       |
| Nitrate-N                           | mg/Kg           | 10.0        | 0.839                         | <5.15                   | --                       |
| Sulfate                             | mg/Kg           | 600         | 35.3                          | 135                     | --                       |
| Cyanide, Total                      | mg/Kg           | 0.2         | <0.09                         | <0.198                  | --                       |
| pH                                  | pH Units        | 6 - 9       | --                            | 8.15                    | --                       |
| <b>Radioactivity</b>                |                 |             |                               |                         |                          |
| Radium 226 & Radium 228             | pCi/gm          | 30          | --                            | <1.86                   | --                       |

WQQC limits are based on the 3101 Standard for Ground

1. mg/Kg: milligrams per kilogram
2. <: Less than method detection limit

## Chavez, Carl J, EMNRD

---

**From:** Mark Larson [Mark@laenvironmental.com]  
**Sent:** Monday, October 27, 2008 7:11 PM  
**To:** Chavez, Carl J, EMNRD  
**Cc:** Price, Wayne, EMNRD; Johnson, Larry, EMNRD; Leking, Geoffrey R, EMNRD; CWrangham@targaresources.com; jlingnau@targaresources.com; Michelle Green  
**Subject:** RE: Targa Midstream Services, LP, Eunice Gas Plant (GW-005) Centralized Surface Waste Management Facility Corrective Action Plan

Carl,

We have semi-annual vadose zone soil sampling scheduled for tomorrow (10-28-2008) at the landfarm. The vadose-zone samples will be collected from each cell, according to the groundwater discharge permit renewal conditions (Section 20(B)(5)(b)), and duplicate samples will be collected for laboratory analysis of the metal constituents listed in Section 20(B)(6). Precautions will be implemented to prevent possible cross-communication of the vadose zone and treated soil. The sample results and corrective action plan, if needed, will be submitted to the New Mexico Oil Conservation Division (OCD) following receipt and validation of the laboratory results. Please contact me if you have questions.

Mark J. Larson  
Sr. Project Manager / President  
507 N. Marienfeld St., Ste. 202  
Midland, Texas 79701  
(432) 687-0901 (office)  
(432) 687-0456 (fax)  
(432) 556-8656 (cell)  
mark@laenvironmental.com



---

**From:** Chavez, Carl J, EMNRD [mailto:CarlJ.Chavez@state.nm.us]  
**Sent:** Tuesday, October 14, 2008 9:01 AM  
**To:** Mark Larson  
**Cc:** Wrangham, Calvin W.; jlingnau@targaresources.com; Michelle Green  
**Subject:** RE: Targa Midstream Services, LP, Eunice Gas Plant (GW-005) Centralized Surface Waste Management Facility Corrective Action Plan

Thank you.

Carl J. Chavez, CHMM  
New Mexico Energy, Minerals & Natural Resources Dept.  
Oil Conservation Division, Environmental Bureau  
1220 South St. Francis Dr., Santa Fe, New Mexico 87505  
Office: (505) 476-3491

10/28/2008

Fax: (505) 476-3462

E-mail: [CarlJ.Chavez@state.nm.us](mailto:CarlJ.Chavez@state.nm.us)

Website: <http://www.emnrd.state.nm.us/ocd/index.htm>

(Pollution Prevention Guidance is under "Publications")

---

**From:** Mark Larson [mailto:Mark@laenvironmental.com]

**Sent:** Monday, October 13, 2008 9:41 AM

**To:** Chavez, Carl J, EMNRD

**Cc:** Wrangham, Calvin W.; [jlingnau@targaresources.com](mailto:jlingnau@targaresources.com); Michelle Green

**Subject:** Re: Targa Midstream Services, LP, Eunice Gas Plant (GW-005) Centralized Surface Waste Management Facility Corrective Action Plan

Carl,

This message is submitted to the New Mexico Oil Conservation Division (PCD) on behalf of Targa Midstream Services, LP (TMS) by Larson & Associates, Inc. (LAI), its consultant, regarding your request for a corrective action plan for metals concentrations recently reported in vadose zone soil samples collected at the centralized surface waste management facility (landfarm) at its Eunice Gas Plant. Per our telephone conversation on October 3, 2008, LAI requested the opportunity to review the laboratory reports for the background samples. LAI, on behalf of TMS, will submit the corrective action plan upon completion of the background data review expected to be completed by October 31, 2008.

Mark J. Larson

Sr. Project Manager / President

507 N. Marienfeld St., Ste. 202

Midland, Texas 79701

(432) 687-0901 (office)

(432) 687-0456 (fax)

(432) 556-8656 (cell)

[mark@laenvironmental.com](mailto:mark@laenvironmental.com)



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10/28/2008

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**Chavez, Carl J, EMNRD**

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**From:** Chavez, Carl J, EMNRD  
**Sent:** Tuesday, October 14, 2008 7:55 AM  
**To:** 'Mark Larson'  
**Cc:** Wrangham, Calvin W.; jlingnau@targaresources.com; Michelle Green  
**Subject:** RE: Targa Midstream Services, LP, Eunice Gas Plant (GW-005) Centralized Surface Waste Management Facility Corrective Action Plan

Thank you.

Carl J. Chavez, CHMM  
New Mexico Energy, Minerals & Natural Resources Dept.  
Oil Conservation Division, Environmental Bureau  
1220 South St. Francis Dr., Santa Fe, New Mexico 87505.  
Office: (505) 476-3491  
Fax: (505) 476-3462  
E-mail: [CarlJ.Chavez@state.nm.us](mailto:CarlJ.Chavez@state.nm.us)  
Website: <http://www.emnrd.state.nm.us/ocd/index.htm>  
(Pollution Prevention Guidance is under "Publications")

---

**From:** Mark Larson [<mailto:Mark@laenvironmental.com>]  
**Sent:** Monday, October 13, 2008 9:41 AM  
**To:** Chavez, Carl J, EMNRD  
**Cc:** Wrangham, Calvin W.; jlingnau@targaresources.com; Michelle Green  
**Subject:** Re: Targa Midstream Services, LP, Eunice Gas Plant (GW-005) Centralized Surface Waste Management Facility Corrective Action Plan

Carl,

This message is submitted to the New Mexico Oil Conservation Division (PCD) on behalf of Targa Midstream Services, LP (TMS) by Larson & Associates, Inc. (LAI), its consultant, regarding your request for a corrective action plan for metals concentrations recently reported in vadose zone soil samples collected at the centralized surface waste management facility (landfarm) at its Eunice Gas Plant. Per our telephone conversation on October 3, 2008, LAI requested the opportunity to review the laboratory reports for the background samples. LAI, on behalf of TMS, will submit the corrective action plan upon completion of the background data review expected to be completed by October 31, 2008.

Mark J. Larson  
Sr. Project Manager / President  
507 N. Marienfeld St., Ste. 202  
Midland, Texas 79701  
(432) 687-0901 (office)  
(432) 687-0456 (fax)  
(432) 556-8656 (cell)  
[mark@laenvironmental.com](mailto:mark@laenvironmental.com)



10/14/2008

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**Chavez, Carl J, EMNRD**

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**From:** Chavez, Carl J, EMNRD

**Sent:** Friday, September 19, 2008 9:09 AM

**To:** Price, Wayne, EMNRD

**Cc:** 'Wrangham, Calvin W.'

**Subject:** Targa Middle Plant Annual Landfarm Report- elevated metals below landfarm treatment area (GW-5)

Wayne:

Please find the link below the recent landfill report for Targa's Middle Plant (see link below). I think we need a corrective action plan to address the elevated metals, TPH, etc. beneath the treatment area(s). Targa did not propose to address this in the report. We should discuss soon.. I gave Cal Wrangham a heads up that the OCD is concerned. Perhaps he can propose a corrective action to the OCD? Thanks.

Landfarm Report

[http://ocdimage.emnrd.state.nm.us/Imaging/FileStore/SantaFeAdmin/AO/67475/pENV000GW00005\\_13\\_AO.tif](http://ocdimage.emnrd.state.nm.us/Imaging/FileStore/SantaFeAdmin/AO/67475/pENV000GW00005_13_AO.tif)

Carl J. Chavez, CHMM

New Mexico Energy, Minerals & Natural Resources Dept.

Oil Conservation Division, Environmental Bureau

1220 South St. Francis Dr., Santa Fe, New Mexico 87505

Office: (505) 476-3491

Fax: (505) 476-3462

E-mail: [CarlJ.Chavez@state.nm.us](mailto:CarlJ.Chavez@state.nm.us)

Website: <http://www.emnrd.state.nm.us/ocd/index.htm>

(Pollution Prevention Guidance is under "Publications")

9/19/2008





June 26, 2008

**VIA CERTIFIED MAIL**

Mr. Wayne Price  
Environmental Bureau Chief  
State of New Mexico – Department of Natural Resources  
Oil Conservation Division – Environmental Bureau  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: Operations Report and Laboratory Analysis of Soil Samples, Targa Midstream Services Eunice-Middle Gas Plant Surface Waste Management Facility - GW-005  
Unit Letter A (NE/4, NE/4), Section 3, Township 22 South, Range 37 East  
Lea County, New Mexico**

Dear Mr. Price:

Larson and Associates, Inc. (LAI), as consultant to Targa Midstream Services, L.P. (Targa), submits this operations and maintenance report to the New Mexico Oil Conservation Division (OCD) for the above referenced centralized surface waste management facility (Facility) located at the Eunice Gas Plant. This report presents a summary of operations, maintenance and laboratory analytical results of treatment (vadose) zone and tilled soil samples. The facility occupies approximately 5.19 acres in the northeast quarter (NE/4) of the northeast quarter (NE/4), Section 3, Township 22 South, Range 37 East, Lea County, New Mexico. The site location on a topographic map is presented in Figure 1.

**Operations Summary**

On October 23, 2006, the OCD approved the renewal application for discharge permit GW-005 that included approval for Targa to construct a centralized surface waste management facility to treat non-hazardous petroleum contaminated soil from its operations. The Facility is comprised of two (2) cells. Cell 1 is divided into three (3) sub-cells labeled A through C. Cell 1 occupies approximately 2.19 acres. Cell 2 is divided into four (4) sub-cells labeled A through D. Cell 2 occupies approximately 3 acres. The Facility drawing is presented in Figure 2.

The land farm accepted approximately 1,093 cubic yards of soil during 2007. The soil was placed in Cells 1 and 2. The quarterly soil summaries for 2007 are presented in Appendix A.

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### **Background Soil Samples**

On July 14, 2006, July 18 - 19, 2006, October 4, 2006 and November 29, 2006 LAI personnel supervised collecting background samples from Cells 1 and 2 (sub-cells A, B and C). Background sample for Cell 2 sub-cell D was collected on October 12, 2007. The samples were collected by Scarbrough Drilling, Inc. (Scarbrough) using an air rotary drilling rig and jam tube sampler. The samples were collected from approximately 3 to 4 feet below native ground surface. Samples were placed in pre-cleaned four (4) ounce jars, properly labeled and placed on ice upon collection. The background samples were hand delivered under chain of custody to Environmental Lab of Texas (ELOT), 12600 West I-20 East Odessa, Texas. Samples collected in 2007 were shipped via LoneStar Overnight, under chain of custody, to SevernTrent Laboratories (SevernTrent), located at 1733 N Padre Island Drive Corpus Christi, Texas.

The background samples were analyzed for the following constituents:

- Benzene, Toluene, Ethyl benzene and Total Xylenes (BTEX) by EPA method SW8021B,
- Total Petroleum Hydrocarbons (TPH) by EPA method SW8015 for gasoline range organics (GRO) and diesel range organics (DRO),
- Metals (Arsenic, Barium, Cadmium, Calcium, Chromium, Lead, Magnesium, Potassium, Selenium, Sodium and Silver) by EPA methods SW6010 and SW6020,
- Mercury by EPA method SW7470A,
- Anions (Chloride) by EPA method 300, and
- Constituents identified in NMAC 20.6.2.3103 A and B.

Partial background treatment (vadose) zone analyses are presented in Tables 1, 2, 3 and 4. The laboratory analytical reports are presented in Appendix B.

### **Vadose Zone Samples**

Vadose zone samples were collected on July 19 and October 12, 2007. LAI personnel collected vadose zone samples from Cell 1, Cell 2 using the methods previously described. During each semi-annual event, four locations were randomly selected from each cell and all the samples were analyzed for the following constituents:

- BTEX,
- TPH for GRO and DRO,
- Metals, and
- Anions.

Table 1 presents a summary of the BTEX analysis. Table 2 presents a summary of the TPH analysis. Table 3 presents a summary of the metals analysis. Table 4 presents a summary of the general chemistry analysis. Appendix B presents the laboratory reports.

The sample results from Cells 1 and 2 were below detection limits for the BTEX constituents. TPH was detected in the vadose samples from July 19 and October 12, 2007, but were below the action level of

500 parts per million (ppm). Vadose zone samples were collected from 2 to 3 feet below the native soil and the background samples were collected from 3 to 4 feet below the native soil.

Vadose zone samples collected on October 12, 2007 for Cell 1A were above the background concentration of 133 ppm, 1.18 ppm and 0.29 ppm for barium, selenium and silver, respectively. Lead was above the background concentration of 2.17 ppm in the vadose zone sample for Cell 1B on October 12, 2007. Barium (116 ppm), selenium (<0.751) and silver (0.235 ppm) were slightly above the background concentrations in vadose zone samples from Cell 1C collected October 12, 2007.

Samples collected from Cell 2D on October 12, 2007 were above the background concentration for chromium (1.9 ppm), lead (0.63 ppm), selenium (1.4 ppm) and silver (0.32 ppm). Vadose zone samples were collected from 2 to 3 feet below the native soil and the background samples were collected from 3 to 4 feet below the native soil.

Samples for Cell 1A collected on July 19 and October 12, 2007 were above the background concentration of 400 ppm for chloride. Chloride (115 ppm) was above the background concentration for Cell 1C.

Chloride was slightly above background concentration of 5.28 ppm and 6.0 ppm for Cells 2C and 2D, respectively. Vadose zone samples were collected from 2 to 3 feet below the native soil and the background samples were collected from 3 to 4 feet below the native soil.

Soil samples will be collected from Cells 1 and 2 during the first semi-annual sampling event of 2008 to verify the October 2007 samples results. Samples will be collected at four (4) randomly selected locations in Cell 1 and Cell 2 at depths of approximately 2 to 3 feet below the native soil and will be analyzed for BTEX, TPH and anions. The laboratory results will be compared to the background data and will be reported to the NMOCD within 45 days after receipt of the laboratory reports.

#### **Treatment (Tilled) Zone Soil Samples**

Samples of treatment (tilled) zone soil were collected on February 1, June 7, August 16 and October 9, 2007 from Cell 1. Additional samples were collected on July 19, August 16 and October 9, 2007 from Cell 2. Four composite samples were collected from Cells 1 and 2. One composite sample was collected from Cell 2D. The samples were collected between 0-1 feet of the tilled zone, placed in pre-cleaned 4-ounce jars, properly labeled and placed on ice upon collection. The samples were shipped via LoneStar Overnight, under chain of custody to SevernTrent. The samples were analyzed for the following constituents:

- BTEX,
- TPH, and
- Anions (Chloride).

Table 5 presents a summary of the BTEX analysis. Table 6 presents a summary of the TPH and chloride analyses. Appendix B presents the laboratory reports.

On June 6, 2007, benzene was detected in samples for Cell 1A (0.037 ppm) and 1C (0.0094 ppm). The amount detected was below the permit threshold of 0.2 ppm. BTEX constituents were detected in samples from Cells 1A, 1B, 1C and 2D but were below the permit threshold of 50 ppm. TPH was detected in tilled samples from Cells 1A, 1C and 2D on June 7, August 16 and October 9, 2007, above the permit threshold of 500 ppm. Chloride was detected in samples from Cell 1B (690 ppm), collected on August 16 and Cell 2D (1600 ppm), collected on July 19, 2007 above the permit threshold of 500 ppm.

#### **Additional Sample Requirements**

On April 16, 2008, LAI personnel collected samples for the vadose zone in Cell 1 (sub-cells A, B and C) and Cell 2 (sub-cells A, B, C and D) at approximately 3 to 4 feet below the cells using methods previously described. These samples were analyzed according to OCD protocol for the 3103 parameters listed in the permit.

Table 7 presents a summary table of the analyses. Appendix B presents the laboratory reports.

Referring to Table 7, Polychlorinated biphenyl (PCB) Aroclor 1248 was detected at 0.0775 ppm in the sample for Cell 1C and exceeded the OCD threshold. Several semi-volatile and poly-aromatic hydrocarbons (PAH) were also detected above OCD thresholds in sample Cell 1C.

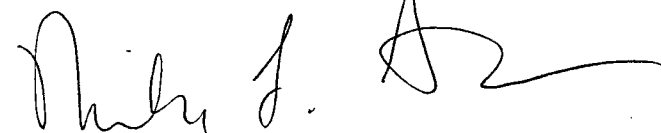
#### **Action Plan**

Targa proposes to collect additional samples of the tilled soil and vadose zone for Cell 1C to determine concentration of these constituents. A plan for additional action will be submitted to the OCD within 45 days of receipt of the final laboratory report.

#### **Conclusion**

The next quarterly tilled zone and semi-annual events are scheduled for June and October 2008, respectively. Analytical data will be submitted to OCD within 45 days following receipt of the final report. If you have any questions or require additional information please contact Mr. Cal Wrangham with Targa at (432) 688-0542 or via email [cwrangham@targaresources.com](mailto:cwrangham@targaresources.com) or myself at (432) 687-0901 or via email [michelle@laenvironmental.com](mailto:michelle@laenvironmental.com).

Sincerely,  
**Larson and Associates, Inc.**



Michelle L. Green  
Environmental Scientist



Mr. Wayne Price  
June 26, 2008  
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Encl.

cc: Cal Wrangham, Targa  
James Lingnou - Targa  
Chris Williams, OCD – District 1

## TABLES

Table 1

**Summary of BTEX Analysis of Vadose Zone Soil Samples**  
**Targa Midstream Services, L.P., Eunice Middle Gas Plant Discharge Permit (GW-005) Addendum**  
**Unit Letter A (NE/4, NE/4), Section 3, Township 22 South, Range 37 East**  
**Lea County, New Mexico**

| Date                             | Cell Number | Cell Letter | Sample Number | Sample Depth (Feet) | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX |
|----------------------------------|-------------|-------------|---------------|---------------------|---------|--------------|---------|---------------|------------|
| <b>Action Level (mg/Kg): 0.2</b> |             |             |               |                     |         |              |         |               |            |
| <b>Vadose Zone Samples</b>       |             |             |               |                     |         |              |         |               |            |
| 07/19/07                         | 1           | A           | Cell 1A       | 2 - 3               | <0.0016 | <0.0019      | <0.0018 | <0.0058       | <0.0111    |
| 10/12/07                         | 1           | A           | Cell 1A       | 2 - 3               | <0.0017 | <0.0020      | <0.0019 | <0.0060       | <0.0116    |
| 10/12/07                         | 1           | A           | Cell 1A-1     | 2 - 3               | <0.0018 | <0.0021      | <0.0019 | <0.0063       | <0.0121    |
| 07/19/07                         | 1           | B           | Cell 1B       | 2 - 3               | <0.0016 | <0.0019      | <0.0018 | <0.0058       | <0.0111    |
| 10/12/07                         | 1           | B           | Cell 1B       | 2 - 3               | <0.0018 | <0.0020      | <0.0019 | <0.0062       | <0.0119    |
| 07/19/07                         | 1           | C           | Cell 1C       | 2 - 3               | <0.0016 | <0.0019      | <0.0018 | <0.0058       | <0.0111    |
| 10/12/07                         | 1           | C           | Cell 1C       | 2 - 3               | <0.0018 | <0.0021      | <0.0019 | <0.0062       | <0.012     |
| 07/19/07                         | 1           | C           | Cell 1C-1     | 2 - 3               | <0.0016 | <0.0019      | <0.0018 | <0.0058       | <0.0111    |
| 10/12/07                         | 2           | C           | Cell 2C       | 2 - 3               | <0.0018 | <0.0021      | <0.0019 | <0.0062       | <0.012     |
| 07/19/07                         | 2           | D           | Cell 2D       | 2 - 3               | <0.0016 | <0.0019      | <0.0018 | <0.0058       | <0.0111    |
| 10/12/07                         | 2           | D           | Cell 2D       | 2 - 3               | <0.0018 | <0.0021      | <0.0020 | <0.0064       | <0.0123    |
| <b>Background Samples</b>        |             |             |               |                     |         |              |         |               |            |
| 07/14/06                         | 1           | A           | Cell 1A       | 3 - 4               | <0.025  | <0.025       | <0.025  | <0.050        | <0.125     |
| 07/14/06                         | 1           | B           | Cell 1B       | 3 - 4               | <0.025  | <0.025       | <0.025  | <0.050        | <0.125     |
| 07/14/06                         | 1           | C           | Cell 1C       | 3 - 4               | <0.025  | <0.025       | <0.025  | <0.050        | <0.125     |
| 07/14/06                         | 2           | A           | Cell 2A       | 3 - 4               | <0.025  | <0.025       | <0.025  | <0.050        | <0.125     |
| 07/14/06                         | 2           | B           | Cell 2B       | 3 - 4               | <0.025  | <0.025       | <0.025  | <0.050        | <0.125     |
| 07/14/06                         | 2           | C           | Cell 2C       | 3 - 4               | <0.025  | <0.025       | <0.025  | <0.050        | <0.125     |
| 07/14/06                         | 2           | D           | Cell 2D       | 3 - 4               | <0.025  | <0.025       | <0.025  | <0.050        | <0.125     |

**Notes:** Analysis are performed by SevernTrent Laboratories, Corpus Christi, TX

Results are reported in milligram per kilogram (mg/Kg)

1. <: Below method detection limit

Table 2

**Summary of TPH Analysis of Vadose Zone Soil Samples**  
**Targa Midstream Services, L.P., Eunice Middle Gas Plant Discharge Permit (GW-005) Addendum**  
**Unit Letter A (NE/4, NE/4), Section 3, Township 22 South, Range 37 East**  
**Lea County, New Mexico**

| Date                         | Cell Number | Cell Letter | Sample Number | Sample Depth (Feet) | TPH - GRO C6 C10 | TPH - DRO C10-C28 | Total TPH  |
|------------------------------|-------------|-------------|---------------|---------------------|------------------|-------------------|------------|
| <b>Action Level (mg/Kg):</b> |             |             |               |                     |                  |                   | <b>500</b> |
| <b>Vadose Zone Samples</b>   |             |             |               |                     |                  |                   |            |
| 07/19/07                     | 1           | A           | Cell 1A       | 2 - 3               | 0.67             | 16                | 16.67      |
| 10/12/07                     | 1           | A           | Cell 1A       | 2 - 3               | <0.035           | <4.4              | <4.435     |
| 10/12/07                     | 1           | A           | Cell 1A-1     | 2 - 3               | <0.035           | 21                | 21         |
| 07/19/07                     | 1           | B           | Cell 1B       | 2 - 3               | 0.46             | 15                | 15.46      |
| 10/12/07                     | 1           | B           | Cell 1B       | 2 - 3               | <0.035           | 6.7               | 6.7        |
| 07/19/07                     | 1           | C           | Cell 1C       | 2 - 3               | <0.070           | 58                | 58         |
| 10/12/07                     | 1           | C           | Cell 1C       | 2 - 3               | <0.035           | 7.2               | 7.2        |
| 07/19/07                     | 1           | C           | Cell 1C-1     | 2 - 3               | <0.070           | 79                | 79         |
| 10/12/07                     | 2           | C           | Cell 2C       | 2 - 3               | <0.035           | 4.5               | 4.5        |
| 07/19/07                     | 2           | D           | Cell 2D       | 2 - 3               | 0.19             | 410               | 410.19     |
| 10/12/07                     | 2           | D           | Cell 2D       | 2 - 3               | 0.59             | 4.6               | <5.19      |
| <b>Background Samples</b>    |             |             |               |                     |                  |                   |            |
| 11/20/06                     | 1           | A           | Cell 1A       | 3 - 4               | <10              | <10               | <10        |
| 11/29/06                     | 1           | B           | Cell 1B       | 3 - 4               | <10              | <10               | <10        |
| 11/29/06                     | 1           | C           | Cell 1C       | 3 - 4               | <10              | <10               | <10        |
| 11/29/06                     | 2           | A           | Cell 2A       | 3 - 4               | <10              | <10               | <10        |
| 11/29/06                     | 2           | B           | Cell 2B       | 3 - 4               | <10              | <10               | <10        |
| 11/29/06                     | 2           | C           | Cell 2C       | 3 - 4               | <10              | <10               | <10        |
| 11/29/06                     | 2           | D           | Cell 2D       | 3 - 4               | <10              | <10               | <10        |

Notes: Analysis are performed by SevernTrent Laboratories, Coi

Results are reported in milligram per kilogram (mg/Kg)

1. <: Below method detection limit

Table 3

**Summary of Metals Analysis of Vadose Zone Soil Samples**  
**Targa Midstream Services, L.P., Eunice Middle Gas Plant Discharge Permit (GW-005) Addendum**  
**Unit Letter A (NE/4, NE/4), Section 3, Township 22 South, Range 37 East**  
**Lea County, New Mexico**

| Date                                  | Cell Number | Cell Letter | Sample Number | Sample Depth (Feet) | Arsenic | Barium | Cadmium | Chromium | Lead  | Mercury  | Selenium | Silver |
|---------------------------------------|-------------|-------------|---------------|---------------------|---------|--------|---------|----------|-------|----------|----------|--------|
| <b>Vadose Zone Samples</b>            |             |             |               |                     |         |        |         |          |       |          |          |        |
| 07/19/07                              | 1           | A           | Cell 1A       | 2 - 3               | --      | --     | --      | --       | --    | --       | --       | --     |
| 10/12/07                              | 1           | A           | Cell 1A       | 2 - 3               | 3.6     | 160    | <0.24   | 1.5      | <0.49 | <0.036   | 1.9      | 0.54   |
| 10/12/07                              | 1           | A           | Cell 1A-1     | 2 - 3               | 3.5     | 150    | <0.24   | 1.8      | 1.2   | <0.032   | 2.0      | 0.42   |
| 07/19/07                              | 1           | B           | Cell 1B       | 2 - 3               | --      | --     | --      | --       | --    | --       | --       | --     |
| 10/12/07                              | 1           | B           | Cell 1B       | 2 - 3               | <0.96   | 15     | <0.24   | 3.6      | 3.0   | <0.032   | <0.62    | <0.12  |
| 07/19/07                              | 1           | C           | Cell 1C       | 2 - 3               | --      | --     | --      | --       | --    | --       | --       | --     |
| 10/12/07                              | 1           | C           | Cell 1C       | 2 - 3               | 1.0     | 120    | <0.24   | 1.6      | <0.48 | <0.034   | 1.9      | 0.40   |
| 07/19/07                              | 1           | C           | Cell 1C-1     | 2 - 3               | --      | --     | --      | --       | --    | --       | --       | --     |
| 10/12/07                              | 2           | C           | Cell 2C       | 2 - 3               | 3.6     | 360    | <0.24   | 2.6      | 0.60  | <0.03    | 1.30     | 0.37   |
| 07/19/07                              | 2           | D           | Cell 2D       | 2 - 3               | --      | --     | --      | --       | --    | --       | --       | --     |
| 10/12/07                              | 2           | D           | Cell 2D       | 2 - 3               | 3.8     | 300    | <0.24   | 3.2      | 1.1   | <0.032   | 0.90     | 0.42   |
| <b>Vadose Zone Background Samples</b> |             |             |               |                     |         |        |         |          |       |          |          |        |
| 10/04/06                              | 1           | A           | Cell 1A       | 3 - 4               | 7.02    | 133    | 0.41    | 3.15     | 4.3   | 0.008814 | 1.18     | 0.29   |
| 10/04/06                              | 1           | B           | Cell 1B       | 3 - 4               | 2.94    | 99.1   | <0.173  | 5.27     | 2.17  | 0.0105   | 0.163    | 0.242  |
| 10/04/06                              | 1           | C           | Cell 1C       | 3 - 4               | 2.43    | 116    | <0.173  | 5.27     | 1.51  | 0.003743 | <0.751   | 0.235  |
| 07/18/06                              | 2           | A           | Cell 2A       | 3 - 4               | 6.02    | 481    | <0.346  | 2.09     | 0.607 | 0.01469  | <0.751   | <0.202 |
| 07/18/06                              | 2           | B           | Cell 2B       | 3 - 4               | 6.59    | 1210   | <0.346  | 2.50     | 0.568 | 0.01566  | <0.751   | <0.202 |
| 07/18/06                              | 2           | C           | Cell 2C       | 3 - 4               | 4.20    | 195    | <0.346  | 2.90     | 0.770 | 0.01597  | <0.751   | <0.202 |
| 10/12/07                              | 2           | D           | Cell 2D       | 3 - 4               | 4.4     | 500    | <0.25   | 1.9      | 0.63  | <0.032   | 1.4      | 0.32   |

Notes: Analysis performed by SevernTrent Laboratories, Corpus Christi, TX

Results are reported in milligram per Kilograms (mg/Kg).

1. Feet:  
Depth in feet below cell

2. <:  
Less than method detection limit

Table 4

Summary of General Chemistry Analysis of Vadose Zone Soil Samples  
Targa Midstream Services, L.P., Eunice Middle Gas Plant Discharge Permit (GW-005) Addendum  
Unit Letter A (NE/4, NE/4), Section 3, Township 22 South, Range 37 East  
Lea County, New Mexico

|                                       | Cell Number | Cell Letter | Sample Number | Sample Depth (Feet) | Calcium | Magnesium | Potassium | Sodium | Chloride |
|---------------------------------------|-------------|-------------|---------------|---------------------|---------|-----------|-----------|--------|----------|
| <b>Action Level (mg/Kg):</b>          |             |             |               |                     |         |           |           |        |          |
| <b>Vadose Zone Samples</b>            |             |             |               |                     |         |           |           |        |          |
| 07/19/07                              | 1           | A           | Cell 1A       | 2 - 3               | --      | --        | --        | --     | 2,900    |
| 10/12/07                              | 1           | A           | Cell 1A       | 2 - 3               | 310,000 | 2,200     | 560       | 5,000  | 5,300    |
| 10/12/07                              | 1           | A           | Cell 1A-1     | 2 - 3               | 290,000 | 2,100     | 640       | 1,000  | 460      |
| 07/19/07                              | 1           | B           | Cell 1B       | 2 - 3               | --      | --        | --        | --     | 17       |
| 10/12/07                              | 1           | B           | Cell 1B       | 2 - 3               | 2,100   | 430       | 560       | 140    | 11       |
| 07/19/07                              | 1           | C           | Cell 1C       | 2 - 3               | --      | --        | --        | --     | 86       |
| 10/12/07                              | 1           | C           | Cell 1C       | 2 - 3               | 270,000 | 1,900     | 420       | 230    | 81       |
| 07/19/07                              | 1           | C           | Cell 1C-1     | 2 - 3               | --      | --        | --        | --     | 630      |
| 10/12/07                              | 2           | C           | Cell 2C       | 2 - 3               | 200,000 | 4,100     | 380       | 130.0  | 5.5      |
| 07/19/07                              | 2           | D           | Cell 2D       | 2 - 3               | --      | --        | --        | --     | 100      |
| 10/12/07                              | 2           | D           | Cell 2D       | 2 - 3               | 190,000 | 6,300     | 720       | 96.0   | 6.1      |
| <b>Vadose Zone Background Samples</b> |             |             |               |                     |         |           |           |        |          |
| 10/04/06                              | 1           | A           | Cell 1A       | 3 - 4               | --      | --        | --        | --     | 400      |
| 10/04/06                              | 1           | B           | Cell 1B       | 3 - 4               | --      | --        | --        | --     | 589      |
| 10/04/06                              | 1           | C           | Cell 1C       | 3 - 4               | --      | --        | --        | --     | 115      |
| 07/18/06                              | 2           | A           | Cell 2A       | 3 - 4               | --      | --        | --        | --     | 320      |
| 07/18/06                              | 2           | B           | Cell 2B       | 3 - 4               | --      | --        | --        | --     | 241      |
| 07/18/06                              | 2           | C           | Cell 2C       | 3 - 4               | --      | --        | --        | --     | 5.28     |
| 10/12/07                              | 2           | D           | Cell 2D       | 3 - 4               | 210,000 | 5,400     | 490       | 100    | 6.0      |

Notes: Analysis performed by SevernTrent Laboratories, Corpus Christi, Texas

Results are reported in milligram per Kilograms (mg/Kg).

1. Feet:  
Depth in feet below cell

2. <:  
Less than method detection limit

Table 5

Summary of BTEX Analyses of Treatment Zone (Tilled) Soil Samples  
Targa Midstream Services, L.P., Eunice Middle Gas Plant Discharge Permit (GW-005) Addendum  
Unit Letter A (NE/4, NE/4), Section 3, Township 22 South, Range 37 East  
Lea County, New Mexico

| Date                  | Cell Number | Cell Letter | Sample Number | Sample Depth (Feet) | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX |
|-----------------------|-------------|-------------|---------------|---------------------|---------|--------------|---------|---------------|------------|
| Action Level (mg/Kg): |             |             |               |                     | 0.2     |              |         |               | 50         |
| 02/01/07              | 1           | A           | Cell 1A       | 0 - 1               | <0.0100 | <0.0100      | <0.0100 | <0.0100       | <0.0400    |
| 06/07/07              | 1           | A           | Cell 1A       | 0 - 1               | 0.037   | 0.002        | 0.0038  | 0.013         | 0.0558     |
| 08/16/07              | 1           | A           | Cell 1A       | 0 - 1               | <0.0043 | 2.6          | 1.7     | 6.4           | 10.7       |
| 10/09/07              | 1           | A           | Cell 1A       | 0 - 1               | <0.0016 | <0.0019      | <0.0018 | <0.0058       | <0.0111    |
| 06/07/07              | 1           | A           | Cell 1A-1     | 0 - 1               | <0.0016 | <0.0019      | <0.0018 | <0.0058       | <0.0111    |
| 02/01/07              | 1           | B           | Cell 1B       | 0 - 1               | <0.0100 | <0.0100      | <0.0100 | <0.0100       | <0.0400    |
| 06/07/07              | 1           | B           | Cell 1B       | 0 - 1               | <0.0019 | <0.0019      | <0.0018 | <0.0058       | <0.0114    |
| 08/16/07              | 1           | B           | Cell 1B       | 0 - 1               | <0.0016 | <0.0019      | <0.0018 | <0.0058       | <0.0111    |
| 10/09/07              | 1           | B           | Cell 1B       | 0 - 1               | <0.0017 | <0.0019      | <0.0018 | <0.0058       | <0.0111    |
| 08/16/07              | 1           | B           | Cell 1B-1     | 0 - 1               | <0.0016 | <0.0019      | <0.0018 | 0.01          | 0.01       |
| 10/09/07              | 1           | B           | Cell 1B-1     | 0 - 1               | <0.0016 | <0.0019      | <0.0018 | <0.0058       | <0.0111    |
| 02/01/07              | 1           | C           | Cell 1C       | 0 - 1               | <0.0100 | <0.0100      | <0.0100 | <0.0100       | <0.0400    |
| 06/07/07              | 1           | C           | Cell 1C       | 0 - 1               | 0.0094  | <0.011       | 0.031   | 0.13          | 0.1704     |
| 08/16/07              | 1           | C           | Cell 1C       | 0 - 1               | <0.0016 | <0.0019      | <0.0018 | <0.0058       | <0.0111    |
| 10/09/07              | 1           | C           | Cell 1C       | 0 - 1               | <0.0016 | <0.0019      | <0.0018 | <0.0058       | <0.0111    |
| 06/07/07              | 1           | C           | Cell 1C-1     | 0 - 1               | <0.0017 | <0.0019      | <0.0018 | <0.0058       | <0.0112    |
| 07/19/07              | 2           | D           | Cell 2D       | 0 - 1               | 0.0046  | <0.0019      | <0.0018 | <0.0058       | 0.0046     |
| 08/16/07              | 2           | D           | Cell 2D       | 0 - 1               | <0.0017 | 0.01         | 0.0069  | 0.081         | 0.0979     |
| 10/09/07              | 2           | D           | Cell 2D       | 0 - 1               | <0.0016 | <0.0019      | <0.0018 | <0.0058       | <0.0111    |

Notes:

Analysis after February 2007 are performed by SevernTrent Laboratories, Corpus Christi, TX

Results are reported in milligram per kilogram (mg/kg)

1. &lt;: Below method detection limit

Table 6

Summary of TPH and Chloride Analyses of Treatment Zone (Tilled) Soil Samples  
Targa Midstream Services, L.P., Eunice Middle Gas Plant Discharge Permit (GW-005) Addendum  
Unit Letter A (NE/4, NE/4), Section 3, Township 22 South, Range 37 East  
Lea County, New Mexico

| Date                  | Cell Number | Cell Letter | Sample Number | Sample Depth (Feet) | TPH - GRO C6 C10 | TPH - DRO C10 C28 | Total TPH | Chloride |
|-----------------------|-------------|-------------|---------------|---------------------|------------------|-------------------|-----------|----------|
| Action Level (mg/Kg): |             |             |               |                     | 500              |                   | 500       | 500      |
| 02/01/07              | 1           | A           | Cell 1A       | 0 - 1               | <1               | <50               | <51       | 102      |
| 06/07/07              | 1           | A           | Cell 1A       | 0 - 1               | <0.07            | 340               | 340       | 16       |
| 08/16/07              | 1           | A           | Cell 1A       | 0 - 1               | 1.9              | 1,200             | 1,200     | 88       |
| 10/09/07              | 1           | A           | Cell 1A       | 0 - 1               | 0.054            | 1,100             | 1,100     | 18       |
| 06/07/07              | 1           | A           | Cell 1A-1     | 0 - 1               | <0.07            | 21                | 21        | 43       |
| 02/01/07              | 1           | B           | Cell 1B       | 0 - 1               | <1               | <50               | <51       | 46.9     |
| 06/07/07              | 1           | B           | Cell 1B       | 0 - 1               | <0.07            | 23                | 23        | 7.5      |
| 08/16/07              | 1           | B           | Cell 1B       | 0 - 1               | <0.033           | 19                | 19        | 690      |
| 10/09/07              | 1           | B           | Cell 1B       | 0 - 1               | <0.015           | 110               | 110       | 230      |
| 08/16/07              | 1           | B           | Cell 1B-1     | 0 - 1               | <0.026           | 15                | 15        | 44       |
| 10/09/07              | 1           | B           | Cell 1B-1     | 0 - 1               | <0.030           | 9.7               | 9.7       | 140      |
| 02/01/07              | 1           | C           | Cell 1C       | 0 - 1               | 5.17             | 87.7              | 92.9      | 77.5     |
| 06/07/07              | 1           | C           | Cell 1C       | 0 - 1               | 69               | 1,800             | 1,869     | 27       |
| 08/16/07              | 1           | C           | Cell 1C       | 0 - 1               | 0.11             | 1,700             | 1,700     | 36       |
| 10/09/07              | 1           | C           | Cell 1C       | 0 - 1               | <0.022           | 4,400             | 4,400     | 450      |
| 06/07/07              | 1           | C           | Cell 1C-1     | 0 - 1               | 0.1              | 170               | 170       | 77       |
| 07/19/07              | 2           | D           | Cell 2D       | 0 - 1               | <0.07            | 4,400             | 4,400     | 1,600    |
| 08/16/07              | 2           | D           | Cell 2D       | 0 - 1               | 16               | 2,200             | 2,200     | 220      |
| 10/09/07              | 2           | D           | Cell 2D       | 0 - 1               | 0.9              | 8,400             | 8,400     | 280      |

Notes: Analysis after February 2007 are performed by SevernTrent Laboratories, Corpus Christi, TX

Results are reported in milligram per kilogram (mg/kg)

1. <: Below method detection limit



**Table 7**  
**Summary of Soil Samples for Vadose Zone (3-4')**  
**Taraga Surface Waste Management Facility (GW-005) Addendum, New Mexico Landfarm**  
**Unit Letter A (NE/4, NE/4), Section 3, Township 22, Range 37 E**  
**Lea County, New Mexico**

| Volatile Organic Compound    | Reporting Unit | WQCC Limits | Cell 1A (3-4)<br>4/16/2008 | Cell 1B (3-4)<br>4/16/2008 | Cell 1C (3-4)<br>4/16/2008 | Cell 1C-1 (3-4)<br>4/16/2008 | Cell 2A (3-4)<br>4/16/2008 | Cell 2B (3-4)<br>4/16/2008 | Cell 2C (3-4)<br>4/16/2008 | Cell 2D (3-4)<br>4/16/2008 |
|------------------------------|----------------|-------------|----------------------------|----------------------------|----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| 1,1,1-Trichloroethane        | mg/Kg          | 0.06        | <0.0011                    | <0.00096                   | <0.00106                   | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| 1,1,2,2-Tetrachloroethane    | mg/Kg          | 0.01        | <0.0011                    | <0.00096                   | <0.00106                   | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| 1,1,2-Trichloroethane        | mg/Kg          | 0.01        | <0.0011                    | <0.00096                   | <0.00106                   | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| 1,1-Dichloroethane           | mg/Kg          | 0.025       | <0.0011                    | <0.00096                   | <0.00106                   | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| 1,1-Dichloroethene           | mg/Kg          | 0.005       | <0.0011                    | <0.00096                   | <0.00106                   | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| 1,2-Dibromoethane            | mg/Kg          | 0.0001      | <0.0011                    | <0.00096                   | <0.00106                   | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| 1,2-Dichloroethane           | mg/Kg          | 0.01        | <0.0011                    | <0.00096                   | <0.00106                   | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| Benzene                      | mg/Kg          | 0.01        | <0.0011                    | <0.00096                   | <0.00106                   | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| Carbon tetrachloride         | mg/Kg          | 0.01        | <0.0011                    | <0.00096                   | <0.00106                   | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| Chloroform                   | mg/Kg          | 0.1         | <0.0011                    | <0.00096                   | <0.00106                   | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| Ethylbenzene                 | mg/Kg          | 0.75        | <0.0011                    | <0.00096                   | 0.0965                     | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| Methylene chloride           | mg/Kg          | 0.1         | <0.00549                   | <0.0048                    | <0.0053                    | <0.00501                     | <0.00496                   | <0.00491                   | <0.00453                   | <0.00416                   |
| Tetrachloroethene            | mg/Kg          | 0.02        | <0.0011                    | <0.00096                   | <0.00106                   | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| Toluene                      | mg/Kg          | 0.75        | <0.0011                    | <0.00096                   | <0.00106                   | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| Total Xylenes                | mg/Kg          | 0.62        | <0.0011                    | <0.00096                   | 0.0583                     | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| Trichloroethene              | mg/Kg          | 0.1         | <0.0011                    | <0.00096                   | <0.00106                   | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| Vinyl chloride               | mg/Kg          | 0.001       | <0.0011                    | <0.00096                   | <0.00106                   | <0.001                       | <0.000992                  | <0.000982                  | <0.000907                  | <0.000832                  |
| Semivolatile & PAH Compounds |                |             |                            |                            |                            |                              |                            |                            |                            |                            |
| 1-Methylnaphthalene          | mg/Kg          | 0.03        | <0.0549                    | <0.0504                    | 1.53                       | <0.0534                      | <0.0535                    | <0.0517                    | <0.0515                    | <0.0519                    |
| 2,3,4,6-Tetrachlorophenol    | mg/Kg          | 0.005       | <0.0439                    | <0.0403                    | <0.0407                    | <0.0427                      | <0.0428                    | <0.0414                    | <0.0412                    | <0.0415                    |
| 2,4,5-Trichlorophenol        | mg/Kg          | 0.005       | <0.0769                    | <0.0706                    | <0.0712                    | <0.0748                      | <0.0748                    | <0.0724                    | <0.0721                    | <0.0726                    |
| 2,4,6-Trichlorophenol        | mg/Kg          | 0.005       | <0.0659                    | <0.0605                    | <0.061                     | <0.0641                      | <0.0641                    | <0.062                     | <0.0618                    | <0.0623                    |
| 2,4-Dichlorophenol           | mg/Kg          | 0.005       | <0.0879                    | <0.0807                    | <0.0813                    | <0.0855                      | <0.0855                    | <0.0827                    | <0.0824                    | <0.083                     |
| 2,4-Dimethylphenol           | mg/Kg          | 0.005       | <0.0659                    | <0.0605                    | <0.061                     | <0.0641                      | <0.0641                    | <0.062                     | <0.0618                    | <0.0623                    |
| 2,4-Dinitrophenol            | mg/Kg          | 0.005       | <0.0549                    | <0.0504                    | <0.0508                    | <0.0534                      | <0.0535                    | <0.0517                    | <0.0515                    | <0.0519                    |
| 2,6-Dichlorophenol           | mg/Kg          | 0.005       | <0.0659                    | <0.0605                    | <0.061                     | <0.0641                      | <0.0641                    | <0.062                     | <0.0618                    | <0.0623                    |
| 2-Methylnaphthalene          | mg/Kg          | 0.03        | <0.022                     | <0.0202                    | 1.53                       | <0.0214                      | <0.0214                    | <0.0207                    | <0.0206                    | <0.0208                    |
| 2-Methylphenol               | mg/Kg          | 0.005       | <0.0769                    | <0.0706                    | <0.0712                    | <0.0748                      | <0.0748                    | <0.0724                    | <0.0721                    | <0.0726                    |
| 2-Nitrophenol                | mg/Kg          | 0.005       | <0.0769                    | <0.0706                    | <0.0712                    | <0.0748                      | <0.0748                    | <0.0724                    | <0.0721                    | <0.0726                    |
| 4,6-Dinitro-2-methylphenol   | mg/Kg          | 0.005       | <0.0879                    | <0.0807                    | <0.0813                    | <0.0855                      | <0.0855                    | <0.0827                    | <0.0824                    | <0.083                     |
| 4-Chloro-3-methylphenol      | mg/Kg          | 0.005       | <0.0659                    | <0.0605                    | <0.061                     | <0.0641                      | <0.0641                    | <0.062                     | <0.0618                    | <0.0623                    |
| 4-Methylphenol               | mg/Kg          | 0.005       | <0.11                      | <0.101                     | <0.102                     | <0.107                       | <0.107                     | <0.103                     | <0.103                     | <0.104                     |
| 4-Nitrophenol                | mg/Kg          | 0.005       | <0.154                     | <0.141                     | <0.142                     | <0.15                        | <0.15                      | <0.145                     | <0.144                     | <0.145                     |
| Acenaphthene                 | mg/Kg          | 0.03        | <0.0146                    | <0.0134                    | <0.0136                    | <0.0142                      | <0.0143                    | <0.0138                    | <0.0137                    | <0.0138                    |
| Acenaphthylene               | mg/Kg          | 0.03        | <0.00732                   | <0.00672                   | <0.00678                   | <0.00712                     | <0.00713                   | <0.00689                   | <0.00686                   | <0.00692                   |
| Anthracene                   | mg/Kg          | 0.03        | <0.00732                   | <0.00672                   | <0.00678                   | <0.00712                     | <0.00713                   | <0.00689                   | <0.00686                   | <0.00692                   |
| Benzo[a]anthracene           | mg/Kg          | 0.03        | <0.0146                    | <0.0134                    | <0.0136                    | <0.0142                      | <0.0143                    | <0.0138                    | <0.0137                    | <0.0138                    |
| Benzo[a]pyrene               | mg/Kg          | 0.0007      | <0.022                     | <0.0202                    | <0.0203                    | <0.0214                      | <0.0214                    | <0.0207                    | <0.0206                    | <0.0208                    |
| Benzo[b]fluoranthene         | mg/Kg          | 0.03        | <0.0146                    | <0.0134                    | <0.0136                    | <0.0142                      | <0.0143                    | <0.0138                    | <0.0137                    | <0.0138                    |
| Benzo[g,h,i]perylene         | mg/Kg          | 0.03        | <0.0146                    | <0.0134                    | <0.0136                    | <0.0142                      | <0.0143                    | <0.0138                    | <0.0137                    | <0.0138                    |
| Benzo[k]fluoranthene         | mg/Kg          | 0.03        | <0.022                     | <0.0202                    | <0.0203                    | <0.0214                      | <0.0214                    | <0.0207                    | <0.0206                    | <0.0208                    |
| Chrysene                     | mg/Kg          | 0.03        | <0.0146                    | <0.0134                    | <0.0136                    | <0.0142                      | <0.0143                    | <0.0138                    | <0.0137                    | <0.0138                    |
| Dibenz[a,h]anthracene        | mg/Kg          | 0.03        | <0.0146                    | <0.0134                    | <0.0136                    | <0.0142                      | <0.0143                    | <0.0138                    | <0.0137                    | <0.0138                    |
| Fluoranthene                 | mg/Kg          | 0.03        | <0.00732                   | <0.00672                   | <0.00678                   | <0.00712                     | <0.00713                   | <0.00689                   | <0.00686                   | <0.00692                   |
| Fluorene                     | mg/Kg          | 0.03        | <0.00732                   | <0.00672                   | <0.00678                   | <0.00712                     | <0.00713                   | <0.00689                   | <0.00686                   | <0.00692                   |
| Indeno[1,2,3-cd]pyrene       | mg/Kg          | 0.03        | <0.00732                   | <0.00672                   | <0.00678                   | <0.00712                     | <0.00713                   | <0.00689                   | <0.00686                   | <0.00692                   |
| Naphthalene                  | mg/Kg          | 0.03        | <0.00732                   | <0.00672                   | 0.178                      | <0.00712                     | <0.00713                   | <0.00689                   | <0.00686                   | <0.00692                   |
| Pentachlorophenol            | mg/Kg          | 0.005       | <0.0989                    | <0.0908                    | <0.0915                    | <0.0962                      | <0.0962                    | <0.0931                    | <0.0927                    | <0.0934                    |
| Phenanthrene                 | mg/Kg          | 0.03        | <0.00732                   | <0.00672                   | 0.0484                     | <0.00712                     | <0.00713                   | <0.00689                   | <0.00686                   | <0.00692                   |
| Phenol                       | mg/Kg          | 0.005       | <0.0659                    | <0.0605                    | <0.061                     | <0.0641                      | <0.0641                    | <0.062                     | <0.0618                    | <0.0623                    |
| Pyrene                       | mg/Kg          | 0.03        | <0.0146                    | <0.0134                    | <0.0136                    | <0.0142                      | <0.0143                    | <0.0138                    | <0.0137                    | <0.0138                    |
| PCB Compounds                |                |             |                            |                            |                            |                              |                            |                            |                            |                            |
| Aroclor 1016                 | mg/Kg          | 0.001       | <0.0524                    | <0.051                     | <0.0503                    | <0.0499                      | <0.0521                    | <0.0513                    | <0.0522                    | <0.0494                    |
| Aroclor 1221                 | mg/Kg          | 0.001       | <0.0524                    | <0.051                     | <0.0503                    | <0.0499                      | <0.0521                    | <0.0513                    | <0.0522                    | <0.0494                    |
| Aroclor 1232                 | mg/Kg          | 0.001       | <0.0524                    | <0.051                     | <0.0503                    | <0.0499                      | <0.0521                    | <0.0513                    | <0.0522                    | <0.0494                    |
| Aroclor 1242                 | mg/Kg          | 0.001       | <0.0524                    | <0.051                     | <0.0503                    | <0.0499                      | <0.0521                    | <0.0513                    | <0.0522                    | <0.0494                    |
| Aroclor 1248                 | mg/Kg          | 0.001       | <0.0524                    | <0.051                     | 0.0775                     | <0.0499                      | <0.0521                    | <0.0513                    | <0.0522                    | <0.0494                    |
| Aroclor 1254                 | mg/Kg          | 0.001       | <0.0524                    | <0.051                     | <0.0503                    | <0.0499                      | <0.0521                    | <0.0513                    | <0.0522                    | <0.0494                    |
| Aroclor 1260                 | mg/Kg          | 0.001       | <0.0524                    | <0.051                     | <0.0503                    | <0.0499                      | <0.0521                    | <0.0513                    | <0.0522                    | <0.0494                    |
| Metals                       |                |             |                            |                            |                            |                              |                            |                            |                            |                            |
| Aluminum                     | mg/Kg          | 5.0         | 4200                       | 6130                       | 2390                       | 2310                         | 2080                       | 1580                       | 1300                       | 2270                       |
| Arsenic                      | mg/Kg          | 0.1         | 3.81                       | 1.56                       | 3.67                       | 3.62                         | 5.48                       | 4.27                       | 5.29                       | 3.28                       |
| Barium                       | mg/Kg          | 1.0         | 276                        | 25.2                       | 321                        | 140                          | 134                        | 767                        | 1150                       | 634                        |
| Boron                        | mg/Kg          | 0.75        | 10.2                       | 3.29                       | 4.91                       | 3.82                         | 2.99                       | 3.07                       | 2.72                       | 3.34                       |
| Cadmium                      | mg/Kg          | 0.01        | 0.142                      | <0.102                     | 0.114                      | <0.102                       | <0.102                     | <0.095                     | <0.0934                    | <0.1                       |
| Chromium                     | mg/Kg          | 0.05        | 3.69                       | 6.22                       | 1.80                       | 2.77                         | 2.62                       | 2.58                       | 1.65                       | 5.97                       |
| Cobalt                       | mg/Kg          | 0.05        | 2.48                       | 1.29                       | 1.34                       | 2.77                         | 3.00                       | 1.28                       | 2.52                       | 3.70                       |
| Copper                       | mg/Kg          | 1.0         | 4.43                       | 4.08                       | 4.36                       | 5.64                         | 3.71                       | 6.08                       | 15.1                       | 451                        |
| Iron                         | mg/Kg          | 1.0         | 2500                       | 4580                       | 1320                       | 1630                         | 2020                       | 1370                       | 1030                       | 2320                       |
| Lead                         | mg/Kg          | 0.05        | 2.06                       | 3.22                       | 0.766                      | 1.23                         | 1.53                       | 1.03                       | 0.731                      | 1.50                       |
| Manganese                    | mg/Kg          | 0.2         | 49.0                       | 48.6                       | 14.2                       | 18.7                         | 22.2                       | 20.4                       | 19.4                       | 35.8                       |
| Molybdenum                   | mg/Kg          | 1.0         | <0.521                     | <0.51                      | <0.534                     | <0.509                       | <0.512                     | <0.475                     | <0.467                     | 0.709                      |
| Nickel                       | mg/Kg          | 0.2         | 5.43                       | 3.46                       | 5.04                       | 5.42                         | 7.86                       | 7.37                       | 11.1                       | 103                        |
| Selenium                     | mg/Kg          | 0.05        | 0.498                      | 0.516                      | <0.16                      | 0.575                        | 0.334                      | 0.241                      | 0.267                      | 0.391                      |
| Silver                       | mg/Kg          | 0.05        | <0.104                     | <0.102                     | <0.107                     | <0.102                       | <0.102                     | <0.095                     | <0.0934                    | <0.1                       |
| Uranium                      | mg/Kg          | 0.03        | <1.04                      | <1.02                      | <1.07                      | <1.02                        | <1.02                      | <0.95                      | <0.934                     | <1                         |
| Zinc                         | mg/Kg          | 10.0        | 6.92                       | 11.0                       | 5.12                       | 6.09                         | 3.57                       | 5.14                       | 9.18                       | 337                        |
| Mercury                      | mg/Kg          | 0.002       | <0.0173                    | <0.0159                    | <0.0163                    | <0.0158                      | <0.0172                    | <0.0158                    | <0.0163                    | <0.0165                    |
| Total Petroleum Hydrocarbons |                |             |                            |                            |                            |                              |                            |                            |                            |                            |
| TPH - DRO                    | mg/Kg          | --          | <3.23                      | <2.98                      | 336                        | <3.05                        | <3.17                      | <2.94                      | <3.1                       | <3.1                       |
| TPH - GRO                    | mg/Kg          | --          | <0.0630                    | <0.0608                    | 14.4                       | <0.063                       | <0.0665                    | <0.062                     | <0.0628                    | <0.0577                    |
| TPH - Total (8015B)          | mg/Kg          | 500         | <3.293                     | <3.0408                    | 350.4                      | <3.113                       | <3.2365                    | <3.002                     | <3.1628                    | <3.1577                    |
| Inorganic Compounds          |                |             |                            |                            |                            |                              |                            |                            |                            |                            |
| Chloride                     | mg/Kg          | 250         | 3710                       | 25.3                       | 1190                       | 52.8                         | 31.9                       | <5.26                      | <5.23                      | 132                        |
| Fluoride                     | mg/Kg          | 1.6         | 8.99                       | 1.43                       | 8.58                       | 5.30                         | 4.20                       | 3.18                       | 3.85                       | 7.22                       |
| Nitrate-N                    | mg/Kg          | 10.0        | <5.4                       | 8.49                       | <5.37                      | <5.42                        | <5.55                      | <5.26                      | <5.23                      | <5.15                      |
| Sulfate                      | mg/Kg          | 600         | 746                        | 32.7                       | 34.6                       | 26.3                         | 72.8                       | 48.8                       | 30.1                       | 135                        |
| Cyanide, Total               | mg/Kg          | 0.2         | <0.175                     | <0.164                     | <0.207                     | <0.198                       | <0.175                     | <0.194                     | <0.208                     | <0.198                     |
| pH                           | pH Units       | 6 - 9       | 8.74                       | 8.55                       | 8.86                       | 8.76                         | 8.30                       | 8.24                       | 8.22                       | 8.15                       |
| Radioactivity                |                |             |                            |                            |                            |                              |                            |                            |                            |                            |
| Radium 226 & Radium 228      | pCi/gm         | 30          | <1.51                      | <1.99                      | <1.97                      | <1.54                        | <1.56                      | <1.53                      | <1.53                      | <1.86                      |

Analyses performed by DHL Analytical, Round Rock, Texas  
Radioactivity analysis was performed by Environmental Laboratory of Texas, Odessa, Texas  
WQQC limits are based on the 3101 Standard for Groundwater, limits are in mg/L

1. mg/Kg: milligrams per kilogram
2. <: Less than method detection limit

## FIGURES

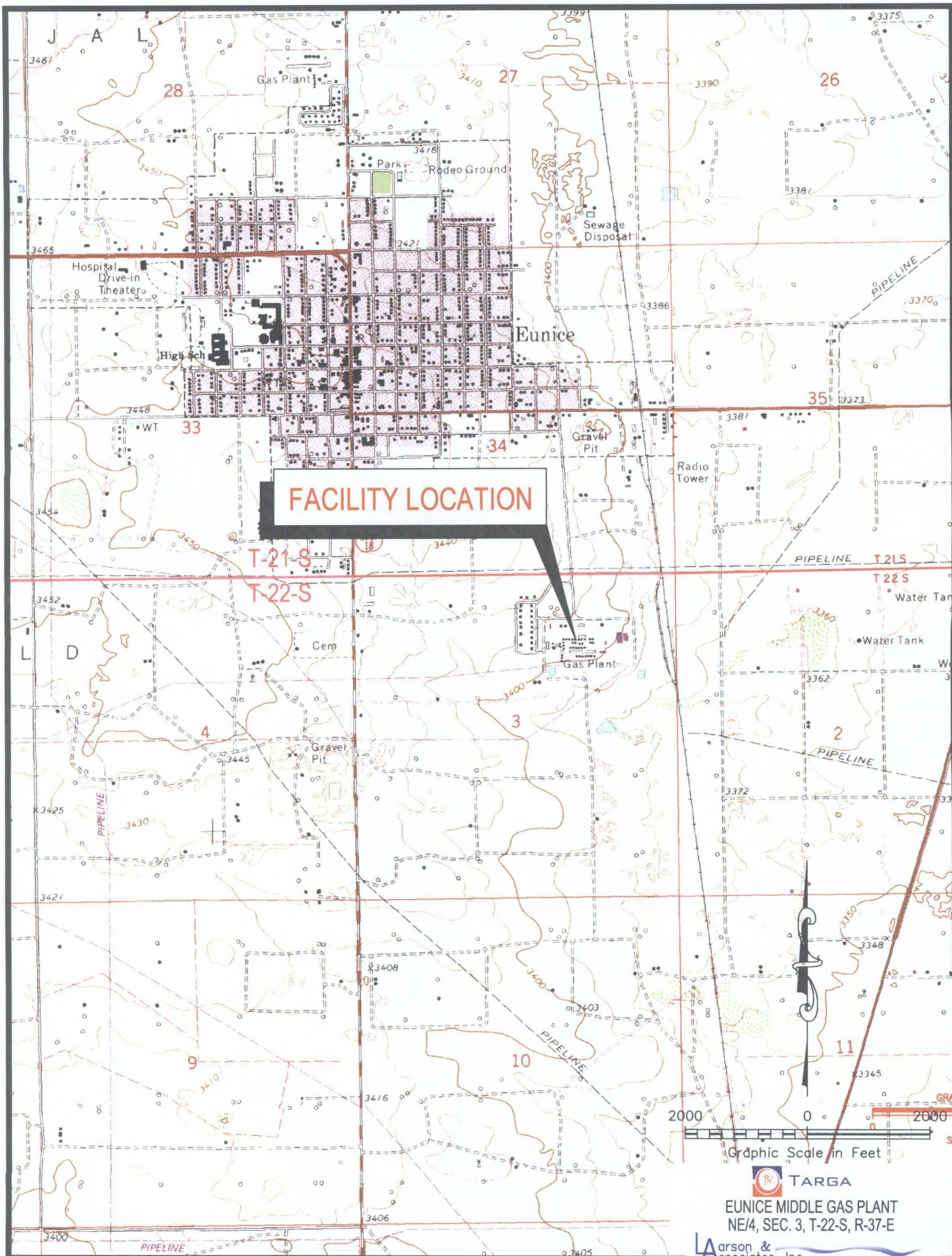
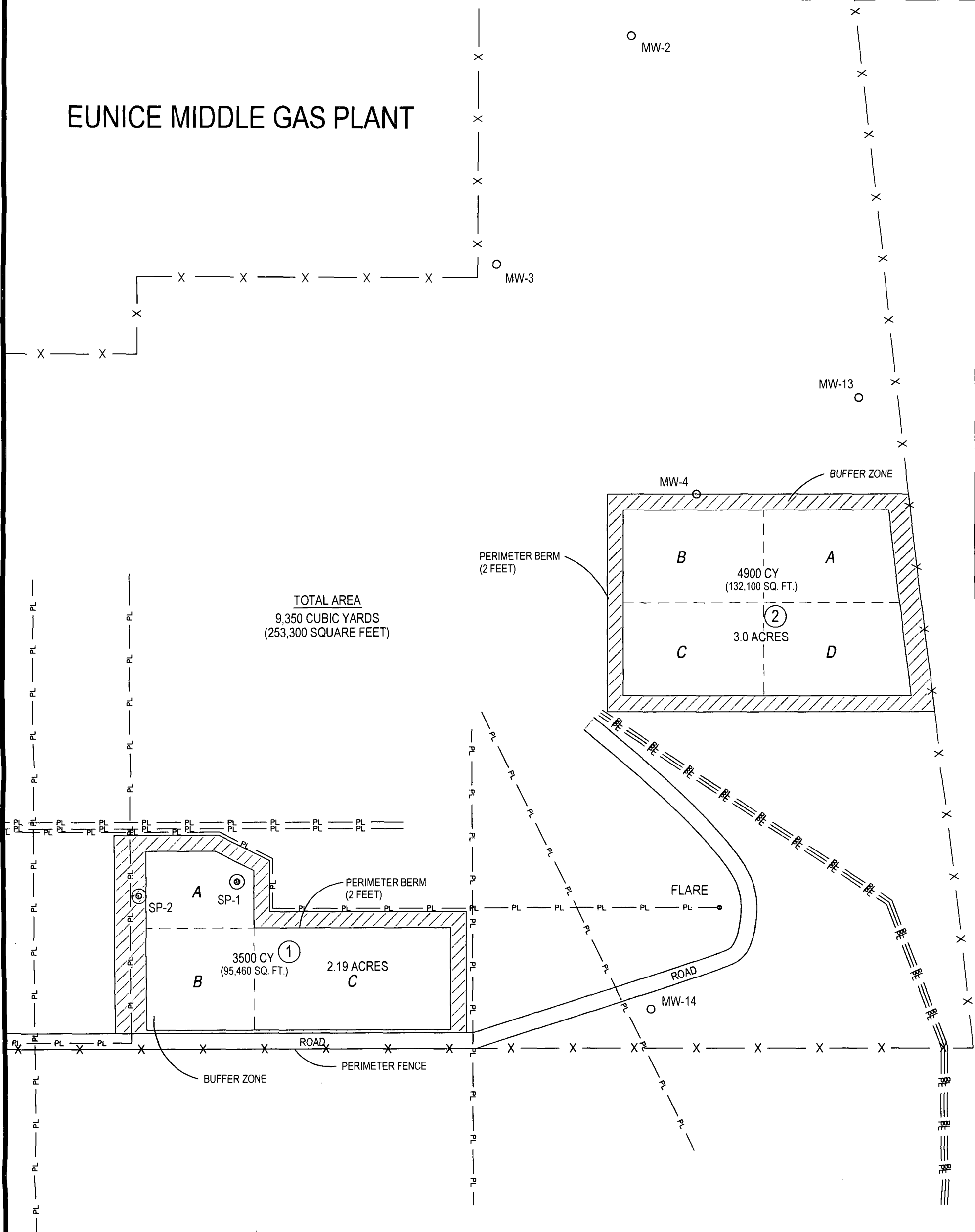


FIGURE 1-SITE LOCATION

# EUNICE MIDDLE GAS PLANT



## LEGEND

- MW-14 ○ - MONITORING WELL LOCATION
- ① - SURFACE WASTE MANAGEMENT AREA AND CELL NUMBER
- A - SUBCELL AREA
- PL — - PIPELINE LOCATION

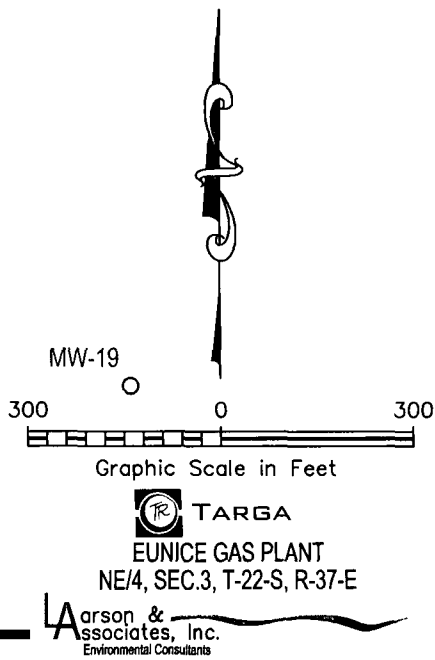


FIGURE 2-PROPOSED SURFACE WASTE MANAGEMENT AREA DETAILS

## APPENDIX A

### Soil Summary Report



**Targa Midstream Services, L.P.**  
**Eunice Middle Gas Pant Landfarm**  
**Contaminated Soil Log**  
**First Quarter 2007**

| Date      | Lease         | Location        | Trucking Co. | Truck No. | Cubic Yards | Cell No. |
|-----------|---------------|-----------------|--------------|-----------|-------------|----------|
| 1/16/2007 | Eunice Middle | Floyd Sims 10"  | E. D. Walton | 399       | 12          | 1C       |
| 1/16/2007 | Eunice Middle | Floyd Sims 10"  | E. D. Walton | 399       | 12          | 1C       |
| 1/17/2007 | Eunice Middle | Floyd Sims 10"  | E. D. Walton | 399       | 12          | 1C       |
| 1/17/2007 | Eunice Middle | Floyd Sims 10"  | E. D. Walton | 399       | 12          | 1C       |
| 1/17/2007 | Eunice Middle | Floyd Sims 10"  | E. D. Walton | 399       | 12          | 1C       |
| 1/29/2007 | Eunice Middle | Grobe South 8"  | E. D. Walton | 399       | 6           | 1C       |
| 1/31/2007 | Eunice Middle | Closson 4"      | E. D. Walton | 399       | 12          | 1C       |
| 1/31/2007 | Eunice Middle | Closson 4"      | E. D. Walton | 399       | 12          | 1C       |
| 2/7/2007  | Eunice Middle | Ashland 20"     | E. D. Walton | 399       | 12          | 1C       |
| 2/7/2007  | Eunice Middle | Ashland 20"     | E. D. Walton | 399       | 12          | 1C       |
| 2/7/2007  | Eunice Middle | Ashland 20"     | E. D. Walton | 399       | 12          | 1C       |
| 2/13/2007 | Eunice Middle | Kelly Meyers 8" | E. D. Walton | 399       | 12          | 1C       |
| 2/14/2007 | Eunice Middle | Kelly Meyers 8" | E. D. Walton | 399       | 12          | 1C       |
| 2/14/2007 | Eunice Middle | Kelly Meyers 8" | E. D. Walton | 399       | 12          | 1C       |
| 2/14/2007 | Eunice Middle | Kelly Meyers 8" | E. D. Walton | 399       | 12          | 1C       |
| 2/14/2007 | Eunice Middle | Kelly Meyers 8" | E. D. Walton | 399       | 12          | 1C       |
| 2/14/2007 | Eunice Middle | Kelly Meyers 8" | E. D. Walton | 399       | 12          | 1C       |
| 2/14/2007 | Eunice Middle | Kelly Meyers 8" | E. D. Walton | 399       | 12          | 1C       |
| 2/16/2007 | Eunice Middle | Kelly Meyers 8" | E. D. Walton | 399       | 12          | 1C       |
| 2/16/2007 | Eunice Middle | Kelly Meyers 8" | E. D. Walton | 399       | 12          | 1C       |
| 2/16/2007 | Eunice Middle | Kelly Meyers 8" | E. D. Walton | 399       | 12          | 1C       |
| 2/16/2007 | Eunice Middle | Kelly Meyers 8" | E. D. Walton | 399       | 12          | 1C       |
| 2/16/2007 | Eunice Middle | Kelly Meyers 8" | E. D. Walton | 399       | 12          | 1C       |
| 2/21/2007 | Eunice Middle | Middle Eunice   | Flint        | N/A       | 1           | 1A       |
| 3/28/2007 | Eunice Middle | North 24"       | E. D. Walton | 399       | 12          | 1C       |
| 3/28/2007 | Eunice Middle | North 24"       | E. D. Walton | 399       | 12          | 1C       |
| 3/28/2007 | Eunice Middle | North 24"       | E. D. Walton | 399       | 12          | 1C       |

**Total Cubic Yards:**

**283**

**Targa Midstream Services, L.P.**  
**Eunice Middle Gas Pant Landfarm**  
**Contaminated Soil Log**  
**Second Quarter 2007**

| <b>Date</b> | <b>Lease</b>  | <b>Location</b>   | <b>Trucking Co.</b> | <b>Truck No.</b> | <b>Cubic Yards</b> | <b>Cell No.</b> |
|-------------|---------------|-------------------|---------------------|------------------|--------------------|-----------------|
| 4/23/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/23/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/24/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/24/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/25/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/25/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/25/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/26/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/26/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/26/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/26/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/27/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/27/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/30/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/30/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/30/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 4/30/2007   | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 5/1/2007    | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 5/1/2007    | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 5/1/2007    | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 5/1/2007    | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 5/2/2007    | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 5/2/2007    | Eunice Middle | Bob McCasaland 4" | E. D. Walton        | 399              | 12                 | 2D              |
| 5/29/2007   | Eunice Middle | Southwest 16"     | E. D. Walton        | 399              | 12                 | 2D              |
| 5/29/2007   | Eunice Middle | Southwest 16"     | E. D. Walton        | 399              | 12                 | 2D              |
| 5/29/2007   | Eunice Middle | Southwest 16"     | E. D. Walton        | 399              | 12                 | 2D              |
| 5/29/2007   | Eunice Middle | Southwest 16"     | E. D. Walton        | 399              | 12                 | 2D              |
| 5/31/2007   | Eunice Middle | Southwest 16"     | E. D. Walton        | 399              | 12                 | 2D              |
| 5/31/2007   | Eunice Middle | Southwest 16"     | E. D. Walton        | 399              | 12                 | 2D              |
| 6/1/2007    | Eunice Middle | Southwest 16"     | E. D. Walton        | 399              | 12                 | 2D              |
| 6/5/2007    | Eunice Middle | Southwest 16"     | E. D. Walton        | 399              | 12                 | 2D              |
| 6/31/07     | Eunice Middle | Southwest 16"     | E. D. Walton        | 399              | 12                 | 2D              |

**Total Cubic Yards:**

**384**

**Targa Midstream Services, L.P.**  
**Eunice Middle Gas Pant Landfarm**  
**Contaminated Soil Log**  
**Third Quarter 2007**

| Date      | Lease         | Location             | Trucking Co. | Truck No. | Cubic Yards | Cell No. |
|-----------|---------------|----------------------|--------------|-----------|-------------|----------|
| 7/23/2007 | Eunice Middle | North Source Booster | Flint        | --        | 18          | 1A       |
| 7/25/2007 | Eunice Middle | North Source Booster | Flint        | --        | 18          | 1A       |
| 7/26/2007 | Eunice Middle | North Source Booster | Flint        | --        | 18          | 1A       |
| 8/3/2007  | Eunice Middle | West 20"             | E. D. Walton | 399       | 12          | 2D       |
| 8/3/2007  | Eunice Middle | West 20"             | E. D. Walton | 399       | 12          | 2D       |
| 8/3/2007  | Eunice Middle | West 20"             | E. D. Walton | 399       | 12          | 2D       |
| 8/3/2007  | Eunice Middle | West 20"             | E. D. Walton | 399       | 12          | 2D       |
| 8/6/2007  | Eunice Middle | West 20"             | E. D. Walton | 399       | 12          | 2D       |
| 8/6/2007  | Eunice Middle | West 20"             | E. D. Walton | 399       | 12          | 2D       |
| 8/6/2007  | Eunice Middle | West 20"             | E. D. Walton | 399       | 12          | 2D       |
| 8/6/2007  | Eunice Middle | West 20"             | E. D. Walton | 399       | 12          | 2D       |
| 8/7/2007  | Eunice Middle | West 20"             | E. D. Walton | 399       | 12          | 2D       |
| 8/20/2007 | Eunice Middle | West 20"             | E. D. Walton | 399       | 12          | 2D       |
| 8/20/2007 | Eunice Middle | West 20"             | E. D. Walton | 399       | 12          | 2D       |
| 8/20/2007 | Eunice Middle | West 20"             | E. D. Walton | 399       | 12          | 2D       |
| 8/20/2007 | Eunice Middle | West 20"             | E. D. Walton | 399       | 12          | 2D       |
| 8/20/2007 | Eunice Middle | West 20"             | E. D. Walton | 399       | 12          | 2D       |
| 9/24/2007 | Eunice Middle | Sims 10"             | E. D. Walton | 399       | 12          | 2D       |
| 9/24/2007 | Eunice Middle | Sims 10"             | E. D. Walton | 399       | 12          | 2D       |
| 9/24/2007 | Eunice Middle | Sims 10"             | E. D. Walton | 399       | 12          | 2D       |
| 9/24/2007 | Eunice Middle | Sims 10"             | E. D. Walton | 399       | 12          | 2D       |
| 9/25/2007 | Eunice Middle | Sims 10"             | E. D. Walton | 399       | 12          | 2D       |
| 9/25/2007 | Eunice Middle | Sims 10"             | E. D. Walton | 399       | 12          | 2D       |
| 9/25/2007 | Eunice Middle | Sims 10"             | E. D. Walton | 399       | 12          | 2D       |
| 9/25/2007 | Eunice Middle | Sims 10"             | E. D. Walton | 399       | 12          | 2D       |
| 9/25/2007 | Eunice Middle | Sims 10"             | E. D. Walton | 399       | 12          | 2D       |
| 9/26/2007 | Eunice Middle | Sims 10"             | E. D. Walton | 399       | 12          | 2D       |
| 9/26/2007 | Eunice Middle | Sims 10"             | E. D. Walton | 399       | 12          | 2D       |
| 9/26/2007 | Eunice Middle | Sims 10"             | E. D. Walton | 399       | 12          | 2D       |
| 9/26/2007 | Eunice Middle | Sims 10"             | E. D. Walton | 399       | 12          | 2D       |
| 9/27/2007 | Eunice Middle | Sims 10"             | E. D. Walton | 399       | 12          | 2D       |
| 9/27/2007 | Eunice Middle | Sims 10"             | E. D. Walton | 399       | 12          | 2D       |

**Total Cubic Yards:**

**402**



**Targa Midstream Services, L.P.**  
**Eunice Middle Gas Pant Landfarm**  
**Contaminated Soil Log**  
**Fourth Quarter**

| Date      | Lease         | Location | Trucking Co. | Truck No. | Cubic Yards | Cell No. |
|-----------|---------------|----------|--------------|-----------|-------------|----------|
| 11/8/2007 | Eunice Middle | Sims 10" | E. D. Walton | 399       | 12          | 2C       |
| 11/8/2007 | Eunice Middle | Sims 10" | E. D. Walton | 399       | 12          | 2C       |

**Total Cubic Yards:**

**24**

**APPENDIX B**

**Laboratory Reports**



April 28, 2008

Michelle Green  
Larson & Associates  
507 N. Marienfeld #202  
Midland, TX 79701

Order No: 0804184

TEL: (432) 687-0901  
FAX: (432) 687-0456

RE: Targa Landfarm

Dear Michelle Green:

DHL Analytical received 8 sample(s) on 4/18/2008 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "John DuPont". The signature is fluid and cursive, written over a few lines.

John DuPont  
Lab Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number:  
T104704211-06-TX



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№ 35931

# CHAIN-OF-CUSTODY

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Lone Star Overnight  
800.800.8900  
www.lso.com

Airbill No. Z4208630

To: SAMPLE RECEIVING  
DHL ANALYTICAL  
2300 DOUBLE CREEK DRIVE  
ROUND ROCK, TX 78664  
(512) 388-8222

From: MARK LARSON  
LARSON & ASSOCIATES, INC.  
507 N. MARIENFELD  
SUITE 202  
MIDLAND, TX 79701  
(432) 687-0901

Service Type: By 10:30am  
4D90V

AUS

By 10:30am

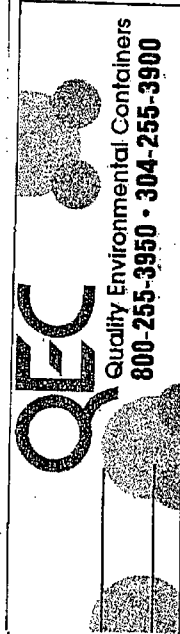
QuickCode: DHL  
Date Printed: 4/17/2008

Fold on above line and place shipping label in pouch on package. Please be sure the barcodes and addresses can be read and scanned.

CUSTODY SEAL

DATE 4/17/08

SIGNATURE [Signature]



QEC  
Quality Environmental Containers  
800-255-3950 • 304-255-3900

# DHL Analytical

## Sample Receipt Checklist

Client Name **Larson & Associates**

Date Received: **4/18/2008**

Work Order Number **0804184**

Received by **JB**

Checklist completed by: *[Signature]* 4-18-08  
Signature Date

Reviewed by: *[Initials]* 4/18/08  
Initials Date

Carrier name: LoneStar

- |                                                         |                                         |                             |                                                            |
|---------------------------------------------------------|-----------------------------------------|-----------------------------|------------------------------------------------------------|
| 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"/> |                                                            |
| 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"/> | Not Applicable <input checked="" type="checkbox"/>         |

Adjusted? \_\_\_\_\_ Checked by \_\_\_\_\_

Any No response must be detailed in the comments section below.

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_

---

CLIENT: Larson & Associates  
Project: Targa Landfarm  
Lab Order: 0804184

---

**CASE NARRATIVE**

Samples were analyzed using the methods outlined in the following references:

Method M8015V - Modified Gasoline (GRO) Analysis  
Method SW8260B - Volatiles Analysis  
Method SW8270C - PAH Analysis  
Method SW8082 - PCB Analysis  
Method M8015D - TPH Extractable by GC Analysis  
Method SW9056 - Anions Analysis  
Method SW9014 - Cyanide of Soils Analysis  
Method D2216 - Percent Moisture (Parameter Not NELAC Certified)  
Method SW9045C - pH of a Solid (Corrosivity) Analysis  
Method SW7471A - Total Mercury of Soil Analysis  
Method SW6020 - Trace Metals Analysis

**LOG IN**

Samples were received and log-in performed on 4/18/08. A total of 8 samples were received. The samples arrived in good condition and were properly packaged.

**TRACE METALS**

For Trace Metals analysis, the recoveries of the MSs and MSDs (0804184-01 and 0804188-03 MS and MSD) were out of control limits for several analytes. These are flagged accordingly. In addition, the RPD for the MSD was above control limits for Barium. This is flagged accordingly. The LCS was within control limits for these analytes. No further corrective actions were taken.

For Trace Metals analysis, the recovery of the PDS (0804184-01 PDS) was above control limits for Aluminum and Barium. This is flagged accordingly. The serial dilution was within control limits for these analytes. No further corrective actions were taken.

For Trace Metals analysis, the RPDs for the serial dilution (0804184-01 SD) was above control limits for Arsenic and Zinc. These are flagged accordingly. The PDS was within control limits for these analytes. No further corrective actions were taken.

**PCB**

For PCB Analysis, the recoveries of the MS and MSD (0804184-04 MS and MSD) were above control limits for Aroclor 1260. These are flagged accordingly. The reference sample selected for the MS and MSD was from this work order. The LCS was within control limits. No further corrective actions were taken.



---

CLIENT: Larson & Associates  
Project: Targa Landfarm  
Lab Order: 0804184

---

**Work Order Sample Summary**

---

| Lab Smp ID | Client Sample ID | Tag Number | Date Collected    | Date Recv'd |
|------------|------------------|------------|-------------------|-------------|
| 0804184-01 | Cell 1A (3-4)    |            | 04/16/08 01:45 PM | 04/18/08    |
| 0804184-02 | Cell 1B(3-4)     |            | 04/16/08 02:00 PM | 04/18/08    |
| 0804184-03 | Cell 1C(3-4)     |            | 04/16/08 01:00 PM | 04/18/08    |
| 0804184-04 | Cell 1C-1(3-4)   |            | 04/16/08 01:30 PM | 04/18/08    |
| 0804184-05 | Cell 2A(3-4)     |            | 04/16/08 10:00 AM | 04/18/08    |
| 0804184-06 | Cell 2B(3-4)     |            | 04/16/08 12:00 PM | 04/18/08    |
| 0804184-07 | Cell 2C(3-4)     |            | 04/16/08 11:30 AM | 04/18/08    |
| 0804184-08 | Cell 2D(3-4)     |            | 04/16/08 10:50 AM | 04/18/08    |

---

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Lab Order: 0804184

## PREP DATES REPORT

| Sample ID   | Client Sample ID | Collection Date   | Matrix | Test Number | Test Name                      | Prep Date         | Batch ID       |
|-------------|------------------|-------------------|--------|-------------|--------------------------------|-------------------|----------------|
| 0804184-01A | Cell 1A (3-4)    | 04/16/08 01:45 PM | Soil   | SW5030B     | Purge and Trap Soils GC/MS     | 04/21/08 08:56 AM | 29967          |
|             | Cell 1A (3-4)    | 04/16/08 01:45 PM | Soil   | SW5030B     | Purge and Trap Soils GC- Gas   | 04/25/08 10:00 AM | 30005          |
|             | Cell 1A (3-4)    | 04/16/08 01:45 PM | Soil   | SW3550B     | Soil Prep Sonication: PCB      | 04/22/08 09:02 AM | 29991          |
| 0804184-01B | Cell 1A (3-4)    | 04/16/08 01:45 PM | Soil   | SW3550B     | Soil Prep Sonication: BNA      | 04/21/08 09:42 AM | 29969          |
|             | Cell 1A (3-4)    | 04/16/08 01:45 PM | Soil   | SW3550B     | Soil Prep Sonication: DRO      | 04/21/08 12:41 PM | 29976          |
|             | Cell 1A (3-4)    | 04/16/08 01:45 PM | Soil   | SW3550B     | Soil Prep Sonication: PAH      | 04/23/08 08:49 AM | 30006          |
| 0804184-01C | Cell 1A (3-4)    | 04/16/08 01:45 PM | Soil   | SW9056      | Anion Prep                     | 04/21/08 02:46 PM | 29983          |
|             | Cell 1A (3-4)    | 04/16/08 01:45 PM | Soil   | SW9056      | Anion Prep                     | 04/21/08 02:46 PM | 29983          |
|             | Cell 1A (3-4)    | 04/16/08 01:45 PM | Soil   | SW9010      | Cyanide Soil Prep              | 04/25/08 08:49 AM | 30037          |
|             | Cell 1A (3-4)    | 04/16/08 01:45 PM | Soil   | SW7471A     | Mercury Soil Prep, Total       | 04/21/08 09:00 AM | 29963          |
|             | Cell 1A (3-4)    | 04/16/08 01:45 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 1A (3-4)    | 04/16/08 01:45 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
| 0804184-02A | Cell 1A (3-4)    | 04/16/08 01:45 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 1A (3-4)    | 04/16/08 01:45 PM | Soil   | SW9045C     | pH of Solid (Corrosivity)      | 04/22/08          | PH_S-04/22/08  |
|             | Cell 1A (3-4)    | 04/16/08 01:45 PM | Soil   | D2216       | Percent Moisture               | 04/24/08 12:28 PM | PMOIST_080424A |
| 0804184-02B | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | SW5030B     | Purge and Trap Soils GC/MS     | 04/21/08 08:56 AM | 29967          |
|             | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | SW5030B     | Purge and Trap Soils GC- Gas   | 04/25/08 10:00 AM | 30005          |
| 0804184-02C | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | SW3550B     | Soil Prep Sonication: PCB      | 04/22/08 09:02 AM | 29991          |
|             | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | SW3550B     | Soil Prep Sonication: BNA      | 04/21/08 09:42 AM | 29969          |
|             | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | SW3550B     | Soil Prep Sonication: DRO      | 04/21/08 12:41 PM | 29976          |
|             | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | SW3550B     | Soil Prep Sonication: PAH      | 04/23/08 08:49 AM | 30006          |
|             | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | SW9056      | Anion Prep                     | 04/21/08 02:46 PM | 29983          |
|             | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | SW9010      | Cyanide Soil Prep              | 04/25/08 08:49 AM | 30037          |
|             | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | SW7471A     | Mercury Soil Prep, Total       | 04/21/08 09:00 AM | 29963          |
|             | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | SW9045C     | pH of Solid (Corrosivity)      | 04/22/08          | PH_S-04/22/08  |

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Lab Order: 0804184

## PREP DATES REPORT

| Sample ID   | Client Sample ID | Collection Date   | Matrix | Test Number | Test Name                      | Prep Date         | Batch ID       |
|-------------|------------------|-------------------|--------|-------------|--------------------------------|-------------------|----------------|
| 0804184-03A | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | D2216       | Percent Moisture               | 04/24/08 12:28 PM | PMOIST_080424A |
|             | Cell 1B(3-4)     | 04/16/08 02:00 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW5030B     | Purge and Trap Soils GC/MS     | 04/21/08 08:56 AM | 29967          |
|             | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW5030B     | Purge and Trap Soils GC- Gas   | 04/25/08 10:00 AM | 30005          |
|             | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW3550B     | Soil Prep Sonication: PCB      | 04/22/08 09:02 AM | 29991          |
| 0804184-03B | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW3550B     | Soil Prep Sonication: PCB      | 04/22/08 09:02 AM | 29991          |
|             | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW3550B     | Soil Prep Sonication: BNA      | 04/21/08 09:42 AM | 29969          |
|             | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW3550B     | Soil Prep Sonication: DRO      | 04/21/08 12:41 PM | 29976          |
|             | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW3550B     | Soil Prep Sonication: PAH      | 04/23/08 08:49 AM | 30006          |
|             | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW3550B     | Soil Prep Sonication: PAH      | 04/23/08 08:49 AM | 30006          |
| 0804184-03C | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW9056      | Anion Prep                     | 04/21/08 02:46 PM | 29983          |
|             | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW9056      | Anion Prep                     | 04/21/08 02:46 PM | 29983          |
|             | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW9010      | Cyanide Soil Prep              | 04/25/08 08:49 AM | 30037          |
|             | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW7471A     | Mercury Soil Prep, Total       | 04/21/08 09:00 AM | 29963          |
|             | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
| 0804184-04A | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW9045C     | pH of Solid (Corrosivity)      | 04/22/08          | PH_S-04/22/08  |
|             | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | D2216       | Percent Moisture               | 04/24/08 12:28 PM | PMOIST_080424A |
|             | Cell 1C(3-4)     | 04/16/08 01:00 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 1C-1(3-4)   | 04/16/08 01:30 PM | Soil   | SW5030B     | Purge and Trap Soils GC/MS     | 04/21/08 08:56 AM | 29967          |
| 0804184-04B | Cell 1C-1(3-4)   | 04/16/08 01:30 PM | Soil   | SW5030B     | Purge and Trap Soils GC- Gas   | 04/25/08 10:00 AM | 30005          |
|             | Cell 1C-1(3-4)   | 04/16/08 01:30 PM | Soil   | SW3550B     | Soil Prep Sonication: PCB      | 04/22/08 09:02 AM | 29991          |
|             | Cell 1C-1(3-4)   | 04/16/08 01:30 PM | Soil   | SW3550B     | Soil Prep Sonication: BNA      | 04/21/08 09:42 AM | 29969          |
|             | Cell 1C-1(3-4)   | 04/16/08 01:30 PM | Soil   | SW3550B     | Soil Prep Sonication: DRO      | 04/21/08 12:41 PM | 29976          |
|             | Cell 1C-1(3-4)   | 04/16/08 01:30 PM | Soil   | SW3550B     | Soil Prep Sonication: PAH      | 04/23/08 08:49 AM | 30006          |
| 0804184-04C | Cell 1C-1(3-4)   | 04/16/08 01:30 PM | Soil   | SW9056      | Anion Prep                     | 04/21/08 02:46 PM | 29983          |
|             | Cell 1C-1(3-4)   | 04/16/08 01:30 PM | Soil   | SW9010      | Cyanide Soil Prep              | 04/25/08 08:49 AM | 30037          |
|             | Cell 1C-1(3-4)   | 04/16/08 01:30 PM | Soil   | SW7471A     | Mercury Soil Prep, Total       | 04/21/08 09:00 AM | 29963          |
|             | Cell 1C-1(3-4)   | 04/16/08 01:30 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Lab Order: 0804184

## PREP DATES REPORT

| Sample ID   | Client Sample ID | Collection Date   | Matrix | Test Number | Test Name                      | Prep Date         | Batch ID       |
|-------------|------------------|-------------------|--------|-------------|--------------------------------|-------------------|----------------|
| 0804184-05A | Cell 1C-1(3-4)   | 04/16/08 01:30 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 1C-1(3-4)   | 04/16/08 01:30 PM | Soil   | SW9045C     | pH of Solid (Corrosivity)      | 04/22/08          | PH_S-04/22/08  |
|             | Cell 1C-1(3-4)   | 04/16/08 01:30 PM | Soil   | D2216       | Percent Moisture               | 04/24/08 12:28 PM | PMOIST_080424A |
|             | Cell 1C-1(3-4)   | 04/16/08 01:30 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
| 0804184-05B | Cell 2A(3-4)     | 04/16/08 10:00 AM | Soil   | SW5030B     | Purge and Trap Soils GC/MS     | 04/21/08 08:56 AM | 29967          |
|             | Cell 2A(3-4)     | 04/16/08 10:00 AM | Soil   | SW5030B     | Purge and Trap Soils GC- Gas   | 04/25/08 10:00 AM | 30005          |
|             | Cell 2A(3-4)     | 04/16/08 10:00 AM | Soil   | SW3550B     | Soil Prep Sonication: PCB      | 04/22/08 09:02 AM | 29991          |
|             | Cell 2A(3-4)     | 04/16/08 10:00 AM | Soil   | SW3550B     | Soil Prep Sonication: BNA      | 04/21/08 09:42 AM | 29969          |
| 0804184-05C | Cell 2A(3-4)     | 04/16/08 10:00 AM | Soil   | SW3550B     | Soil Prep Sonication: DRO      | 04/21/08 12:41 PM | 29976          |
|             | Cell 2A(3-4)     | 04/16/08 10:00 AM | Soil   | SW3550B     | Soil Prep Sonication: PAH      | 04/23/08 08:49 AM | 30006          |
|             | Cell 2A(3-4)     | 04/16/08 10:00 AM | Soil   | SW9056      | Anion Prep                     | 04/21/08 02:46 PM | 29983          |
|             | Cell 2A(3-4)     | 04/16/08 10:00 AM | Soil   | SW9010      | Cyanide Soil Prep              | 04/25/08 08:49 AM | 30037          |
| 0804184-06A | Cell 2A(3-4)     | 04/16/08 10:00 AM | Soil   | SW7471A     | Mercury Soil Prep, Total       | 04/21/08 09:00 AM | 29963          |
|             | Cell 2A(3-4)     | 04/16/08 10:00 AM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 2A(3-4)     | 04/16/08 10:00 AM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 2A(3-4)     | 04/16/08 10:00 AM | Soil   | SW9045C     | pH of Solid (Corrosivity)      | 04/22/08          | PH_S-04/22/08  |
| 0804184-06B | Cell 2A(3-4)     | 04/16/08 10:00 AM | Soil   | D2216       | Percent Moisture               | 04/24/08 12:28 PM | PMOIST_080424A |
|             | Cell 2A(3-4)     | 04/16/08 10:00 AM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 2B(3-4)     | 04/16/08 12:00 PM | Soil   | SW5030B     | Purge and Trap Soils GC/MS     | 04/21/08 08:56 AM | 29967          |
|             | Cell 2B(3-4)     | 04/16/08 12:00 PM | Soil   | SW5030B     | Purge and Trap Soils GC- Gas   | 04/25/08 10:00 AM | 30005          |
| 0804184-06C | Cell 2B(3-4)     | 04/16/08 12:00 PM | Soil   | SW3550B     | Soil Prep Sonication: PCB      | 04/22/08 09:02 AM | 29991          |
|             | Cell 2B(3-4)     | 04/16/08 12:00 PM | Soil   | SW3550B     | Soil Prep Sonication: BNA      | 04/21/08 09:42 AM | 29969          |
|             | Cell 2B(3-4)     | 04/16/08 12:00 PM | Soil   | SW3550B     | Soil Prep Sonication: DRO      | 04/21/08 12:41 PM | 29976          |
|             | Cell 2B(3-4)     | 04/16/08 12:00 PM | Soil   | SW3550B     | Soil Prep Sonication: PAH      | 04/23/08 08:49 AM | 30006          |
| 0804184-06D | Cell 2B(3-4)     | 04/16/08 12:00 PM | Soil   | SW9056      | Anion Prep                     | 04/21/08 02:46 PM | 29983          |
|             | Cell 2B(3-4)     | 04/16/08 12:00 PM | Soil   | SW9010      | Cyanide Soil Prep              | 04/25/08 08:49 AM | 30037          |
|             | Cell 2B(3-4)     | 04/16/08 12:00 PM | Soil   | SW7471A     | Mercury Soil Prep, Total       | 04/21/08 09:00 AM | 29963          |
|             | Cell 2B(3-4)     | 04/16/08 12:00 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 2B(3-4)     | 04/16/08 12:00 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Lab Order: 0804184

## PREP DATES REPORT

| Sample ID   | Client Sample ID | Collection Date   | Matrix | Test Number | Test Name                      | Prep Date         | Batch ID       |
|-------------|------------------|-------------------|--------|-------------|--------------------------------|-------------------|----------------|
| 0804184-07A | Cell 2B(3-4)     | 04/16/08 12:00 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 2B(3-4)     | 04/16/08 12:00 PM | Soil   | SW9045C     | pH of Solid (Corrosivity)      | 04/22/08          | PH_S-04/22/08  |
|             | Cell 2B(3-4)     | 04/16/08 12:00 PM | Soil   | D2216       | Percent Moisture               | 04/24/08 12:28 PM | PMOIST_080424A |
|             | Cell 2B(3-4)     | 04/16/08 12:00 PM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
| 0804184-07B | Cell 2C(3-4)     | 04/16/08 11:30 AM | Soil   | SW5030B     | Purge and Trap Soils GC/MS     | 04/21/08 08:56 AM | 29967          |
|             | Cell 2C(3-4)     | 04/16/08 11:30 AM | Soil   | SW5030B     | Purge and Trap Soils GC- Gas   | 04/25/08 10:00 AM | 30005          |
|             | Cell 2C(3-4)     | 04/16/08 11:30 AM | Soil   | SW3550B     | Soil Prep Sonication: PCB      | 04/22/08 09:02 AM | 29991          |
|             | Cell 2C(3-4)     | 04/16/08 11:30 AM | Soil   | SW3550B     | Soil Prep Sonication: BNA      | 04/21/08 09:42 AM | 29969          |
| 0804184-07C | Cell 2C(3-4)     | 04/16/08 11:30 AM | Soil   | SW3550B     | Soil Prep Sonication: DRO      | 04/21/08 12:41 PM | 29976          |
|             | Cell 2C(3-4)     | 04/16/08 11:30 AM | Soil   | SW3550B     | Soil Prep Sonication: PAH      | 04/23/08 08:49 AM | 30006          |
|             | Cell 2C(3-4)     | 04/16/08 11:30 AM | Soil   | SW9056      | Anion Prep                     | 04/21/08 02:46 PM | 29983          |
|             | Cell 2C(3-4)     | 04/16/08 11:30 AM | Soil   | SW9010      | Cyanide Soil Prep              | 04/25/08 08:49 AM | 30037          |
| 0804184-08A | Cell 2C(3-4)     | 04/16/08 11:30 AM | Soil   | SW7471A     | Mercury Soil Prep, Total       | 04/21/08 09:00 AM | 29963          |
|             | Cell 2C(3-4)     | 04/16/08 11:30 AM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 2C(3-4)     | 04/16/08 11:30 AM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 2C(3-4)     | 04/16/08 11:30 AM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
| 0804184-08B | Cell 2C(3-4)     | 04/16/08 11:30 AM | Soil   | SW9045C     | pH of Solid (Corrosivity)      | 04/22/08          | PH_S-04/22/08  |
|             | Cell 2C(3-4)     | 04/16/08 11:30 AM | Soil   | D2216       | Percent Moisture               | 04/24/08 12:28 PM | PMOIST_080424A |
|             | Cell 2C(3-4)     | 04/16/08 11:30 AM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|             | Cell 2D(3-4)     | 04/16/08 10:50 AM | Soil   | SW5030B     | Purge and Trap Soils GC/MS     | 04/21/08 08:56 AM | 29967          |
| 0804184-08C | Cell 2D(3-4)     | 04/16/08 10:50 AM | Soil   | SW5030B     | Purge and Trap Soils GC- Gas   | 04/25/08 10:00 AM | 30005          |
|             | Cell 2D(3-4)     | 04/16/08 10:50 AM | Soil   | SW3550B     | Soil Prep Sonication: PCB      | 04/22/08 09:02 AM | 29991          |
|             | Cell 2D(3-4)     | 04/16/08 10:50 AM | Soil   | SW3550B     | Soil Prep Sonication: BNA      | 04/21/08 09:42 AM | 29969          |
|             | Cell 2D(3-4)     | 04/16/08 10:50 AM | Soil   | SW3550B     | Soil Prep Sonication: DRO      | 04/21/08 12:41 PM | 29976          |
| 0804184-08C | Cell 2D(3-4)     | 04/16/08 10:50 AM | Soil   | SW3550B     | Soil Prep Sonication: PAH      | 04/23/08 08:49 AM | 30006          |
|             | Cell 2D(3-4)     | 04/16/08 10:50 AM | Soil   | SW9056      | Anion Prep                     | 04/21/08 02:46 PM | 29983          |
|             | Cell 2D(3-4)     | 04/16/08 10:50 AM | Soil   | SW9010      | Cyanide Soil Prep              | 04/25/08 08:49 AM | 30037          |
|             | Cell 2D(3-4)     | 04/16/08 10:50 AM | Soil   | SW7471A     | Mercury Soil Prep, Total       | 04/21/08 09:00 AM | 29963          |
|             | Cell 2D(3-4)     | 04/16/08 10:50 AM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |

CLIENT: Larson & Associates  
Project: Targa Landfarm  
Lab Order: 0804184

## PREP DATES REPORT

| Sample ID | Client Sample ID | Collection Date   | Matrix | Test Number | Test Name                      | Prep Date         | Batch ID       |
|-----------|------------------|-------------------|--------|-------------|--------------------------------|-------------------|----------------|
|           | Cell 2D(3-4)     | 04/16/08 10:50 AM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|           | Cell 2D(3-4)     | 04/16/08 10:50 AM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |
|           | Cell 2D(3-4)     | 04/16/08 10:50 AM | Soil   | SW9045C     | pH of Solid (Corrosivity)      | 04/22/08          | PH_S-04/22/08  |
|           | Cell 2D(3-4)     | 04/16/08 10:50 AM | Soil   | D2216       | Percent Moisture               | 04/24/08 12:28 PM | PMOIST_080424A |
|           | Cell 2D(3-4)     | 04/16/08 10:50 AM | Soil   | SW3050B     | Soil Prep Total Metals: ICP-MS | 04/21/08 09:00 AM | 29959          |

CLIENT: Larson & Associates  
Project: Targa Landfarm  
Lab Order: 0804184

## ANALYTICAL DATES REPORT

| Sample ID   | Client Sample ID | Matrix | Test Number | Test Name                     | Batch ID       | Dilution | Analysis Date     | Run ID           |
|-------------|------------------|--------|-------------|-------------------------------|----------------|----------|-------------------|------------------|
| 0804184-01A | Cell 1A (3-4)    | Soil   | M8015V      | Modified 8015 Gasoline (GRO)  | 30005          | 1        | 04/25/08 04:04 PM | GC4_080423A      |
|             | Cell 1A (3-4)    | Soil   | SW8260B     | Volatiles by GC/MS            | 29967          | 1        | 04/21/08 12:45 PM | GCMS2_080421A    |
|             | Cell 1A (3-4)    | Soil   | SW8270C     | PAHs: GC/MS                   | 30006          | 1        | 04/23/08 04:34 PM | GCMS6_080423A    |
| 0804184-01B | Cell 1A (3-4)    | Soil   | SW8082      | PCB by GC - Soil/Solid        | 29991          | 1        | 04/22/08 04:51 PM | GC16_080422A     |
|             | Cell 1A (3-4)    | Soil   | SW8270C     | Semivolatiles by GC/MS - Soil | 29969          | 1        | 04/21/08 08:51 PM | GCMS3_080421A    |
|             | Cell 1A (3-4)    | Soil   | M8015D      | TPH Extractable by GC - Soil  | 29976          | 1        | 04/22/08 12:14 PM | GC15_080422A     |
| 0804184-01C | Cell 1A (3-4)    | Soil   | SW9056      | Anions by IC method - Soil    | 29983          | 1        | 04/23/08 09:37 AM | IC_080423A       |
|             | Cell 1A (3-4)    | Soil   | SW9056      | Anions by IC method - Soil    | 29983          | 20       | 04/23/08 12:02 PM | IC_080423A       |
|             | Cell 1A (3-4)    | Soil   | SW9014      | Cyanide - Solid Sample        | 30037          | 1        | 04/25/08 03:08 PM | UV/VIS_2_080425A |
|             | Cell 1A (3-4)    | Soil   | D2216       | Percent Moisture              | PMOIST_080424A | 1        | 04/24/08 05:23 PM | PMOIST_080424A   |
|             | Cell 1A (3-4)    | Soil   | SW9045C     | pH of Solid (Corrosivity)     | PH_S-04/22/08  | 1        | 04/22/08 01:45 PM | PH_080422A       |
|             | Cell 1A (3-4)    | Soil   | SW7471A     | Total Mercury: Soil/Solid     | 29963          | 1        | 04/21/08 03:25 PM | CETAC_HG_080421A |
|             | Cell 1A (3-4)    | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 5        | 04/21/08 08:17 PM | ICP-MS3_080421A  |
|             | Cell 1A (3-4)    | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 5        | 04/22/08 01:54 PM | ICP-MS3_080422A  |
|             | Cell 1A (3-4)    | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 25       | 04/22/08 03:09 PM | ICP-MS3_080422A  |
|             | Cell 1A (3-4)    | Soil   | SW6020      | Uranium in Soil by ICPMS      | 29959          | 5        | 04/22/08 12:34 PM | ICP-MS2_080422A  |
| 0804184-02A | Cell 1B(3-4)     | Soil   | M8015V      | Modified 8015 Gasoline (GRO)  | 30005          | 1        | 04/25/08 12:35 PM | GC4_080423A      |
|             | Cell 1B(3-4)     | Soil   | SW8260B     | Volatiles by GC/MS            | 29967          | 1        | 04/21/08 01:17 PM | GCMS2_080421A    |
|             | Cell 1B(3-4)     | Soil   | SW8270C     | PAHs: GC/MS                   | 30006          | 1        | 04/23/08 05:16 PM | GCMS6_080423A    |
| 0804184-02B | Cell 1B(3-4)     | Soil   | SW8082      | PCB by GC - Soil/Solid        | 29991          | 1        | 04/22/08 05:56 PM | GC16_080422A     |
|             | Cell 1B(3-4)     | Soil   | SW8270C     | Semivolatiles by GC/MS - Soil | 29969          | 1        | 04/21/08 09:14 PM | GCMS3_080421A    |
|             | Cell 1B(3-4)     | Soil   | M8015D      | TPH Extractable by GC - Soil  | 29976          | 1        | 04/22/08 05:46 PM | GC15_080422A     |
| 0804184-02C | Cell 1B(3-4)     | Soil   | SW9056      | Anions by IC method - Soil    | 29983          | 1        | 04/23/08 09:52 AM | IC_080423A       |
|             | Cell 1B(3-4)     | Soil   | SW9014      | Cyanide - Solid Sample        | 30037          | 1        | 04/25/08 03:13 PM | UV/VIS_2_080425A |
|             | Cell 1B(3-4)     | Soil   | D2216       | Percent Moisture              | PMOIST_080424A | 1        | 04/24/08 05:23 PM | PMOIST_080424A   |
|             | Cell 1B(3-4)     | Soil   | SW9045C     | pH of Solid (Corrosivity)     | PH_S-04/22/08  | 1        | 04/22/08 01:45 PM | PH_080422A       |
|             | Cell 1B(3-4)     | Soil   | SW7471A     | Total Mercury: Soil/Solid     | 29963          | 1        | 04/21/08 03:30 PM | CETAC_HG_080421A |
|             | Cell 1B(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 5        | 04/21/08 08:43 PM | ICP-MS3_080421A  |
|             | Cell 1B(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 5        | 04/22/08 02:16 PM | ICP-MS3_080422A  |
|             | Cell 1B(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 5        | 04/22/08 02:16 PM | ICP-MS3_080422A  |

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Lab Order: 0804184

## ANALYTICAL DATES REPORT

| Sample ID   | Client Sample ID | Matrix | Test Number | Test Name                     | Batch ID       | Dilution | Analysis Date     | Run ID           |
|-------------|------------------|--------|-------------|-------------------------------|----------------|----------|-------------------|------------------|
| 0804184-03A | Cell 1B(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 25       | 04/22/08 03:00 PM | ICP-MS3_080422A  |
|             | Cell 1B(3-4)     | Soil   | SW6020      | Uranium in Soil by ICPMS      | 29959          | 5        | 04/22/08 12:44 PM | ICP-MS2_080422A  |
|             | Cell 1C(3-4)     | Soil   | M8015V      | Modified 8015 Gasoline (GRO)  | 30005          | 1        | 04/25/08 04:27 PM | GC4_080423A      |
| 0804184-03B | Cell 1C(3-4)     | Soil   | SW8260B     | Volatiles by GC/MS            | 29967          | 1        | 04/21/08 06:15 PM | GCMS2_080421A    |
|             | Cell 1C(3-4)     | Soil   | SW8270C     | PAHs: GC/MS                   | 30006          | 10       | 04/23/08 07:17 PM | GCMS6_080423A    |
|             | Cell 1C(3-4)     | Soil   | SW8270C     | PAHs: GC/MS                   | 30006          | 1        | 04/23/08 07:56 PM | GCMS6_080423A    |
| 0804184-03C | Cell 1C(3-4)     | Soil   | SW8082      | PCB by GC - Soil/Solid        | 29991          | 1        | 04/22/08 06:18 PM | GC16_080422A     |
|             | Cell 1C(3-4)     | Soil   | SW8082      | PCB by GC - Soil/Solid        | 29991          | 1        | 04/23/08 01:07 PM | GC16_080422A     |
|             | Cell 1C(3-4)     | Soil   | SW8270C     | Semivolatiles by GC/MS - Soil | 29969          | 1        | 04/21/08 09:36 PM | GCMS3_080421A    |
| 0804184-04A | Cell 1C(3-4)     | Soil   | M8015D      | TPH Extractable by GC - Soil  | 29976          | 1        | 04/22/08 11:18 AM | GC15_080422A     |
|             | Cell 1C(3-4)     | Soil   | SW9056      | Anions by IC method - Soil    | 29983          | 1        | 04/23/08 10:08 AM | IC_080423A       |
|             | Cell 1C(3-4)     | Soil   | SW9056      | Anions by IC method - Soil    | 29983          | 10       | 04/23/08 11:46 AM | IC_080423A       |
| 0804184-04B | Cell 1C(3-4)     | Soil   | SW9014      | Cyanide - Solid Sample        | 30037          | 1        | 04/25/08 03:13 PM | UV/VIS_2_080425A |
|             | Cell 1C(3-4)     | Soil   | D2216       | Percent Moisture              | PMOIST_080424A | 1        | 04/24/08 05:23 PM | PMOIST_080424A   |
|             | Cell 1C(3-4)     | Soil   | SW9045C     | pH of Solid (Corrosivity)     | PH_S-04/22/08  | 1        | 04/22/08 01:45 PM | PH_080422A       |
| 0804184-04C | Cell 1C(3-4)     | Soil   | SW7471A     | Total Mercury: Soil/Solid     | 29963          | 1        | 04/21/08 03:32 PM | CETAC_HG_080421A |
|             | Cell 1C(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 5        | 04/21/08 09:19 PM | ICP-MS3_080421A  |
|             | Cell 1C(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 5        | 04/22/08 02:20 PM | ICP-MS3_080422A  |
| 0804184-04D | Cell 1C(3-4)     | Soil   | SW6020      | Uranium in Soil by ICPMS      | 29959          | 5        | 04/22/08 12:46 PM | ICP-MS2_080422A  |
|             | Cell 1C(3-4)     | Soil   | M8015V      | Modified 8015 Gasoline (GRO)  | 30005          | 1        | 04/25/08 12:59 PM | GC4_080423A      |
|             | Cell 1C(3-4)     | Soil   | SW8260B     | Volatiles by GC/MS            | 29967          | 1        | 04/21/08 03:29 PM | GCMS2_080421A    |
| 0804184-04E | Cell 1C(3-4)     | Soil   | SW8270C     | PAHs: GC/MS                   | 30006          | 1        | 04/23/08 09:13 PM | GCMS6_080423A    |
|             | Cell 1C(3-4)     | Soil   | SW8082      | PCB by GC - Soil/Solid        | 29991          | 1        | 04/22/08 06:39 PM | GC16_080422A     |
|             | Cell 1C(3-4)     | Soil   | SW8270C     | Semivolatiles by GC/MS - Soil | 29969          | 1        | 04/21/08 09:58 PM | GCMS3_080421A    |
| 0804184-04F | Cell 1C(3-4)     | Soil   | M8015D      | TPH Extractable by GC - Soil  | 29976          | 1        | 04/22/08 11:05 AM | GC15_080422A     |
|             | Cell 1C(3-4)     | Soil   | SW9056      | Anions by IC method - Soil    | 29983          | 1        | 04/23/08 10:24 AM | IC_080423A       |
|             | Cell 1C(3-4)     | Soil   | SW9014      | Cyanide - Solid Sample        | 30037          | 1        | 04/25/08 03:13 PM | UV/VIS_2_080425A |
| 0804184-04G | Cell 1C(3-4)     | Soil   | D2216       | Percent Moisture              | PMOIST_080424A | 1        | 04/24/08 05:23 PM | PMOIST_080424A   |
|             | Cell 1C(3-4)     | Soil   | SW9045C     | pH of Solid (Corrosivity)     | PH_S-04/22/08  | 1        | 04/22/08 01:45 PM | PH_080422A       |



CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Lab Order: 0804184

## ANALYTICAL DATES REPORT

| Sample ID   | Client Sample ID | Matrix | Test Number | Test Name                     | Batch ID       | Dilution | Analysis Date     | Run ID           |
|-------------|------------------|--------|-------------|-------------------------------|----------------|----------|-------------------|------------------|
| 0804184-05A | Cell 1C-1(3-4)   | Soil   | SW7471A     | Total Mercury: Soil/Solid     | 29963          | 1        | 04/21/08 03:38 PM | CETAC_HG_080421A |
|             | Cell 1C-1(3-4)   | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 5        | 04/22/08 04:50 PM | ICP-MS2_080422C  |
|             | Cell 1C-1(3-4)   | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 5        | 04/21/08 09:23 PM | ICP-MS3_080421A  |
|             | Cell 1C-1(3-4)   | Soil   | SW6020      | Uranium in Soil by ICPMS      | 29959          | 5        | 04/22/08 12:58 PM | ICP-MS2_080422A  |
|             | Cell 2A(3-4)     | Soil   | M8015V      | Modified 8015 Gasoline (GRO)  | 30005          | 1        | 04/25/08 01:22 PM | GC4_080423A      |
| 0804184-05B | Cell 2A(3-4)     | Soil   | SW8260B     | Volatiles by GC/MS            | 29967          | 1        | 04/21/08 04:04 PM | GCMS2_080421A    |
|             | Cell 2A(3-4)     | Soil   | SW8270C     | PAHs: GC/MS                   | 30006          | 1        | 04/23/08 09:51 PM | GCMS6_080423A    |
|             | Cell 2A(3-4)     | Soil   | SW8082      | PCB by GC - Soil/Solid        | 29991          | 1        | 04/22/08 07:44 PM | GC16_080422A     |
|             | Cell 2A(3-4)     | Soil   | SW8270C     | Semivolatiles by GC/MS - Soil | 29969          | 1        | 04/21/08 10:21 PM | GCMS3_080421A    |
|             | Cell 2A(3-4)     | Soil   | M8015D      | TPH Extractable by GC - Soil  | 29976          | 1        | 04/22/08 10:52 AM | GC15_080422A     |
| 0804184-05C | Cell 2A(3-4)     | Soil   | SW9056      | Anions by IC method - Soil    | 29983          | 1        | 04/23/08 10:39 AM | IC_080423A       |
|             | Cell 2A(3-4)     | Soil   | SW9014      | Cyanide - Solid Sample        | 30037          | 1        | 04/25/08 03:13 PM | UV/VIS_2_080425A |
|             | Cell 2A(3-4)     | Soil   | D2216       | Percent Moisture              | PMOIST_080424A | 1        | 04/24/08 05:23 PM | PMOIST_080424A   |
|             | Cell 2A(3-4)     | Soil   | SW9045C     | pH of Solid (Corrosivity)     | PH_S-04/22/08  | 1        | 04/22/08 01:45 PM | PH_080422A       |
|             | Cell 2A(3-4)     | Soil   | SW7471A     | Total Mercury: Soil/Solid     | 29963          | 1        | 04/21/08 03:40 PM | CETAC_HG_080421A |
| 0804184-06A | Cell 2A(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 5        | 04/22/08 04:55 PM | ICP-MS2_080422C  |
|             | Cell 2A(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 5        | 04/21/08 09:27 PM | ICP-MS3_080421A  |
|             | Cell 2A(3-4)     | Soil   | SW6020      | Uranium in Soil by ICPMS      | 29959          | 5        | 04/22/08 01:00 PM | ICP-MS2_080422A  |
|             | Cell 2B(3-4)     | Soil   | M8015V      | Modified 8015 Gasoline (GRO)  | 30005          | 1        | 04/25/08 03:41 PM | GC4_080423A      |
|             | Cell 2B(3-4)     | Soil   | SW8260B     | Volatiles by GC/MS            | 29967          | 1        | 04/21/08 04:36 PM | GCMS2_080421A    |
| 0804184-06B | Cell 2B(3-4)     | Soil   | SW8270C     | PAHs: GC/MS                   | 30006          | 1        | 04/23/08 10:29 PM | GCMS6_080423A    |
|             | Cell 2B(3-4)     | Soil   | SW8082      | PCB by GC - Soil/Solid        | 29991          | 1        | 04/22/08 08:05 PM | GC16_080422A     |
|             | Cell 2B(3-4)     | Soil   | SW8270C     | Semivolatiles by GC/MS - Soil | 29969          | 1        | 04/21/08 10:43 PM | GCMS3_080421A    |
|             | Cell 2B(3-4)     | Soil   | M8015D      | TPH Extractable by GC - Soil  | 29976          | 1        | 04/22/08 10:39 AM | GC15_080422A     |
|             | Cell 2B(3-4)     | Soil   | SW9056      | Anions by IC method - Soil    | 29983          | 1        | 04/23/08 10:55 AM | IC_080423A       |
| 0804184-06C | Cell 2B(3-4)     | Soil   | SW9014      | Cyanide - Solid Sample        | 30037          | 1        | 04/25/08 03:13 PM | UV/VIS_2_080425A |
|             | Cell 2B(3-4)     | Soil   | D2216       | Percent Moisture              | PMOIST_080424A | 1        | 04/24/08 05:23 PM | PMOIST_080424A   |
|             | Cell 2B(3-4)     | Soil   | SW9045C     | pH of Solid (Corrosivity)     | PH_S-04/22/08  | 1        | 04/22/08 01:45 PM | PH_080422A       |
|             | Cell 2B(3-4)     | Soil   | SW7471A     | Total Mercury: Soil/Solid     | 29963          | 1        | 04/21/08 03:42 PM | CETAC_HG_080421A |

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Lab Order: 0804184

## ANALYTICAL DATES REPORT

| Sample ID   | Client Sample ID | Matrix | Test Number | Test Name                     | Batch ID       | Dilution | Analysis Date     | Run ID           |
|-------------|------------------|--------|-------------|-------------------------------|----------------|----------|-------------------|------------------|
| 0804184-07A | Cell 2B(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 5        | 04/22/08 05:00 PM | ICP-MS2_080422C  |
|             | Cell 2B(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 5        | 04/21/08 09:32 PM | ICP-MS3_080421A  |
|             | Cell 2B(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 25       | 04/22/08 03:04 PM | ICP-MS3_080422A  |
|             | Cell 2B(3-4)     | Soil   | SW6020      | Uranium in Soil by ICPMS      | 29959          | 5        | 04/22/08 01:02 PM | ICP-MS2_080422A  |
| 0804184-07B | Cell 2C(3-4)     | Soil   | M8015V      | Modified 8015 Gasoline (GRO)  | 30005          | 1        | 04/25/08 02:31 PM | GC4_080423A      |
|             | Cell 2C(3-4)     | Soil   | SW8260B     | Volatiles by GC/MS            | 29967          | 1        | 04/21/08 05:09 PM | GCMS2_080421A    |
|             | Cell 2C(3-4)     | Soil   | SW8270C     | PAHs: GC/MS                   | 30006          | 1        | 04/23/08 11:07 PM | GCMS6_080423A    |
|             | Cell 2C(3-4)     | Soil   | SW8082      | PCB by GC - Soil/Solid        | 29991          | 1        | 04/22/08 08:27 PM | GC16_080422A     |
| 0804184-07C | Cell 2C(3-4)     | Soil   | SW8270C     | Semivolatiles by GC/MS - Soil | 29969          | 1        | 04/21/08 11:05 PM | GCMS3_080421A    |
|             | Cell 2C(3-4)     | Soil   | M8015D      | TPH Extractable by GC - Soil  | 29976          | 1        | 04/22/08 10:25 AM | GC15_080422A     |
|             | Cell 2C(3-4)     | Soil   | SW9056      | Anions by IC method - Soil    | 29983          | 1        | 04/23/08 12:18 PM | IC_080423A       |
|             | Cell 2C(3-4)     | Soil   | SW9014      | Cyanide - Solid Sample        | 30037          | 1        | 04/25/08 03:17 PM | UV/VIS_2_080425A |
| 0804184-08A | Cell 2C(3-4)     | Soil   | D2216       | Percent Moisture              | PMOIST_080424A | 1        | 04/24/08 05:23 PM | PMOIST_080424A   |
|             | Cell 2C(3-4)     | Soil   | SW9045C     | pH of Solid (Corrosivity)     | PH_S-04/22/08  | 1        | 04/22/08 01:45 PM | PH_080422A       |
|             | Cell 2C(3-4)     | Soil   | SW7471A     | Total Mercury: Soil/Solid     | 29963          | 1        | 04/21/08 03:44 PM | CETAC_HG_080421A |
|             | Cell 2C(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 5        | 04/22/08 05:04 PM | ICP-MS2_080422C  |
| 0804184-08B | Cell 2C(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 5        | 04/21/08 09:36 PM | ICP-MS3_080421A  |
|             | Cell 2C(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid  | 29959          | 25       | 04/22/08 03:14 PM | ICP-MS3_080422A  |
|             | Cell 2C(3-4)     | Soil   | SW6020      | Uranium in Soil by ICPMS      | 29959          | 5        | 04/22/08 01:04 PM | ICP-MS2_080422A  |
|             | Cell 2D(3-4)     | Soil   | M8015V      | Modified 8015 Gasoline (GRO)  | 30005          | 1        | 04/25/08 02:54 PM | GC4_080423A      |
| 0804184-08C | Cell 2D(3-4)     | Soil   | SW8260B     | Volatiles by GC/MS            | 29967          | 1        | 04/21/08 05:41 PM | GCMS2_080421A    |
|             | Cell 2D(3-4)     | Soil   | SW8270C     | PAHs: GC/MS                   | 30006          | 1        | 04/23/08 11:45 PM | GCMS6_080423A    |
|             | Cell 2D(3-4)     | Soil   | SW8082      | PCB by GC - Soil/Solid        | 29991          | 1        | 04/22/08 08:48 PM | GC16_080422A     |
|             | Cell 2D(3-4)     | Soil   | SW8270C     | Semivolatiles by GC/MS - Soil | 29969          | 1        | 04/21/08 11:28 PM | GCMS3_080421A    |
| 0804184-08D | Cell 2D(3-4)     | Soil   | M8015D      | TPH Extractable by GC - Soil  | 29976          | 1        | 04/22/08 10:12 AM | GC15_080422A     |
|             | Cell 2D(3-4)     | Soil   | SW9056      | Anions by IC method - Soil    | 29983          | 1        | 04/23/08 12:33 PM | IC_080423A       |
|             | Cell 2D(3-4)     | Soil   | SW9014      | Cyanide - Solid Sample        | 30037          | 1        | 04/25/08 03:17 PM | UV/VIS_2_080425A |
|             | Cell 2D(3-4)     | Soil   | D2216       | Percent Moisture              | PMOIST_080424A | 1        | 04/24/08 05:23 PM | PMOIST_080424A   |
|             | Cell 2D(3-4)     | Soil   | SW9045C     | pH of Solid (Corrosivity)     | PH_S-04/22/08  | 1        | 04/22/08 01:45 PM | PH_080422A       |

CLIENT: Larson & Associates  
Project: Targa Landfarm  
Lab Order: 0804184

## ANALYTICAL DATA REPORT

| Sample ID | Client Sample ID | Matrix | Test Number | Test Name                    | Batch ID | Dilution | Analysis Date     | Run ID           |
|-----------|------------------|--------|-------------|------------------------------|----------|----------|-------------------|------------------|
|           | Cell 2D(3-4)     | Soil   | SW7471A     | Total Mercury: Soil/Solid    | 29963    | 1        | 04/21/08 03:46 PM | CETAC_HG_080421A |
|           | Cell 2D(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid | 29959    | 5        | 04/22/08 05:09 PM | ICP-MS2_080422C  |
|           | Cell 2D(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid | 29959    | 5        | 04/21/08 09:41 PM | ICP-MS3_080421A  |
|           | Cell 2D(3-4)     | Soil   | SW6020      | Trace Metals: ICP-MS - Solid | 29959    | 25       | 04/22/08 03:19 PM | ICP-MS3_080422A  |
|           | Cell 2D(3-4)     | Soil   | SW6020      | Uranium in Soil by ICPMS     | 29959    | 5        | 04/22/08 01:06 PM | ICP-MS2_080422A  |

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 1A (3-4)  
 Lab ID: 0804184-01  
 Collection Date: 04/16/08 01:45 PM  
 Matrix: Soil

| Analyses                             | Result | MDL            | RL       | Qual | Units     | DF | Date Analyzed       |
|--------------------------------------|--------|----------------|----------|------|-----------|----|---------------------|
| <b>PCB by GC - Soil/Solid</b>        |        | <b>SW8082</b>  |          |      |           |    | <b>Analyst: CZ</b>  |
| Aroclor 1016                         | ND     | 0.0524         | 0.105    |      | mg/Kg-dry | 1  | 04/22/08 04:51 PM   |
| Aroclor 1221                         | ND     | 0.0524         | 0.105    |      | mg/Kg-dry | 1  | 04/22/08 04:51 PM   |
| Aroclor 1232                         | ND     | 0.0524         | 0.105    |      | mg/Kg-dry | 1  | 04/22/08 04:51 PM   |
| Aroclor 1242                         | ND     | 0.0524         | 0.105    |      | mg/Kg-dry | 1  | 04/22/08 04:51 PM   |
| Aroclor 1248                         | ND     | 0.0524         | 0.105    |      | mg/Kg-dry | 1  | 04/22/08 04:51 PM   |
| Aroclor 1254                         | ND     | 0.0524         | 0.105    |      | mg/Kg-dry | 1  | 04/22/08 04:51 PM   |
| Aroclor 1260                         | ND     | 0.0524         | 0.105    |      | mg/Kg-dry | 1  | 04/22/08 04:51 PM   |
| Surr: Decachlorobiphenyl             | 73.2   | 0              | 40 - 130 |      | %REC      | 1  | 04/22/08 04:51 PM   |
| Surr: Tetrachloro-m-xylene           | 76.7   | 0              | 40 - 130 |      | %REC      | 1  | 04/22/08 04:51 PM   |
| <b>TPH Extractable by GC - Soil</b>  |        | <b>M8015D</b>  |          |      |           |    | <b>Analyst: CZ</b>  |
| TPH-DRO C10-C28                      | ND     | 3.23           | 10.8     |      | mg/Kg-dry | 1  | 04/22/08 12:14 PM   |
| Surr: o-Terphenyl                    | 73.8   | 0              | 47 - 142 |      | %REC      | 1  | 04/22/08 12:14 PM   |
| Surr: Octacosane                     | 80.3   | 0              | 25 - 162 |      | %REC      | 1  | 04/22/08 12:14 PM   |
| <b>Modified 8015 Gasoline (GRO)</b>  |        | <b>M8015V</b>  |          |      |           |    | <b>Analyst: JAW</b> |
| Gasoline Range Organics              | ND     | 0.0630         | 0.210    |      | mg/Kg-dry | 1  | 04/25/08 04:04 PM   |
| Surr: Tetrachlorethene               | 120    | 0              | 70 - 134 |      | %REC      | 1  | 04/25/08 04:04 PM   |
| <b>Total Mercury: Soil/Solid</b>     |        | <b>SW7471A</b> |          |      |           |    | <b>Analyst: JCG</b> |
| Mercury                              | ND     | 0.0173         | 0.0432   |      | mg/Kg-dry | 1  | 04/21/08 03:25 PM   |
| <b>Trace Metals: ICP-MS - Solid</b>  |        | <b>SW6020</b>  |          |      |           |    | <b>Analyst: AJR</b> |
| Aluminum                             | 4200   | 65.1           | 65.1     |      | mg/Kg-dry | 25 | 04/22/08 03:09 PM   |
| Arsenic                              | 3.81   | 0.521          | 1.04     |      | mg/Kg-dry | 5  | 04/21/08 08:17 PM   |
| Barium                               | 276    | 0.521          | 2.08     |      | mg/Kg-dry | 5  | 04/21/08 08:17 PM   |
| Boron                                | 10.2   | 2.61           | 7.82     |      | mg/Kg-dry | 5  | 04/22/08 01:54 PM   |
| Cadmium                              | 0.142  | 0.104          | 0.313    | J    | mg/Kg-dry | 5  | 04/21/08 08:17 PM   |
| Chromium                             | 3.69   | 0.521          | 2.08     |      | mg/Kg-dry | 5  | 04/21/08 08:17 PM   |
| Cobalt                               | 2.48   | 0.521          | 2.08     |      | mg/Kg-dry | 5  | 04/21/08 08:17 PM   |
| Copper                               | 4.43   | 0.521          | 2.08     |      | mg/Kg-dry | 5  | 04/21/08 08:17 PM   |
| Iron                                 | 2500   | 13.0           | 13.0     |      | mg/Kg-dry | 5  | 04/21/08 08:17 PM   |
| Lead                                 | 2.06   | 0.104          | 0.313    |      | mg/Kg-dry | 5  | 04/21/08 08:17 PM   |
| Manganese                            | 49.0   | 0.521          | 2.08     |      | mg/Kg-dry | 5  | 04/21/08 08:17 PM   |
| Molybdenum                           | ND     | 0.521          | 2.08     |      | mg/Kg-dry | 5  | 04/21/08 08:17 PM   |
| Nickel                               | 5.43   | 0.521          | 2.08     |      | mg/Kg-dry | 5  | 04/21/08 08:17 PM   |
| Selenium                             | 0.498  | 0.156          | 0.521    | J    | mg/Kg-dry | 5  | 04/21/08 08:17 PM   |
| Silver                               | ND     | 0.104          | 0.208    |      | mg/Kg-dry | 5  | 04/21/08 08:17 PM   |
| Zinc                                 | 6.92   | 1.04           | 2.61     |      | mg/Kg-dry | 5  | 04/21/08 08:17 PM   |
| <b>Uranium in Soil by ICPMS</b>      |        | <b>SW6020</b>  |          |      |           |    | <b>Analyst: AJR</b> |
| Uranium                              | ND     | 1.04           | 2.61     | N    | mg/Kg-dry | 5  | 04/22/08 12:34 PM   |
| <b>Semivolatiles by GC/MS - Soil</b> |        | <b>SW8270C</b> |          |      |           |    | <b>Analyst: DO</b>  |
| 1-Methylnaphthalene                  | ND     | 0.0549         | 0.146    | N    | mg/Kg-dry | 1  | 04/21/08 08:51 PM   |
| 2,3,4,6-Tetrachlorophenol            | ND     | 0.0439         | 0.146    | N    | mg/Kg-dry | 1  | 04/21/08 08:51 PM   |
| 2,4,5-Trichlorophenol                | ND     | 0.0769         | 0.146    |      | mg/Kg-dry | 1  | 04/21/08 08:51 PM   |
| 2,4,6-Trichlorophenol                | ND     | 0.0659         | 0.146    |      | mg/Kg-dry | 1  | 04/21/08 08:51 PM   |
| 2,4-Dichlorophenol                   | ND     | 0.0879         | 0.146    |      | mg/Kg-dry | 1  | 04/21/08 08:51 PM   |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 1A (3-4)  
 Lab ID: 0804184-01  
 Collection Date: 04/16/08 01:45 PM  
 Matrix: Soil

| Analyses                   | Result | MDL            | RL       | Qual               | Units     | DF | Date Analyzed     |
|----------------------------|--------|----------------|----------|--------------------|-----------|----|-------------------|
| 2,4-Dimethylphenol         | ND     | 0.0659         | 0.146    |                    | mg/Kg-dry | 1  | 04/21/08 08:51 PM |
| 2,4-Dinitrophenol          | ND     | 0.0549         | 0.725    |                    | mg/Kg-dry | 1  | 04/21/08 08:51 PM |
| 2,6-Dichlorophenol         | ND     | 0.0659         | 0.146    |                    | mg/Kg-dry | 1  | 04/21/08 08:51 PM |
| 2-Methylnaphthalene        | ND     | 0.0220         | 0.146    |                    | mg/Kg-dry | 1  | 04/21/08 08:51 PM |
| 2-Methylphenol             | ND     | 0.0769         | 0.146    |                    | mg/Kg-dry | 1  | 04/21/08 08:51 PM |
| 2-Nitrophenol              | ND     | 0.0769         | 0.146    |                    | mg/Kg-dry | 1  | 04/21/08 08:51 PM |
| 4,6-Dinitro-2-methylphenol | ND     | 0.0879         | 0.363    |                    | mg/Kg-dry | 1  | 04/21/08 08:51 PM |
| 4-Chloro-3-methylphenol    | ND     | 0.0659         | 0.146    |                    | mg/Kg-dry | 1  | 04/21/08 08:51 PM |
| 4-Methylphenol             | ND     | 0.110          | 0.146    |                    | mg/Kg-dry | 1  | 04/21/08 08:51 PM |
| 4-Nitrophenol              | ND     | 0.154          | 0.725    |                    | mg/Kg-dry | 1  | 04/21/08 08:51 PM |
| Pentachlorophenol          | ND     | 0.0989         | 0.146    |                    | mg/Kg-dry | 1  | 04/21/08 08:51 PM |
| Phenol                     | ND     | 0.0659         | 0.146    |                    | mg/Kg-dry | 1  | 04/21/08 08:51 PM |
| Surr: 2,4,6-Tribromophenol | 96.0   | 0              | 45 - 138 |                    | %REC      | 1  | 04/21/08 08:51 PM |
| Surr: 2-Fluorobiphenyl     | 81.8   | 0              | 60 - 135 |                    | %REC      | 1  | 04/21/08 08:51 PM |
| Surr: 2-Fluorophenol       | 77.6   | 0              | 37 - 125 |                    | %REC      | 1  | 04/21/08 08:51 PM |
| Surr: 4-Terphenyl-d14      | 92.0   | 0              | 60 - 129 |                    | %REC      | 1  | 04/21/08 08:51 PM |
| Surr: Nitrobenzene-d5      | 78.1   | 0              | 45 - 125 |                    | %REC      | 1  | 04/21/08 08:51 PM |
| Surr: Phenol-d6            | 79.6   | 0              | 40 - 125 |                    | %REC      | 1  | 04/21/08 08:51 PM |
| <b>PAHs: GC/MS</b>         |        | <b>SW8270C</b> |          | <b>Analyst: DO</b> |           |    |                   |
| Accenaphthene              | ND     | 0.0146         | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Accenaphthylene            | ND     | 0.00732        | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Anthracene                 | ND     | 0.00732        | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Benzo[a]anthracene         | ND     | 0.0146         | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Benzo[a]pyrene             | ND     | 0.0220         | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Benzo[b]fluoranthene       | ND     | 0.0146         | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Benzo[g,h,i]perylene       | ND     | 0.0146         | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Benzo[k]fluoranthene       | ND     | 0.0220         | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Chrysene                   | ND     | 0.0146         | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Dibenz[a,h]anthracene      | ND     | 0.0146         | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Fluoranthene               | ND     | 0.00732        | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Fluorene                   | ND     | 0.00732        | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Indeno[1,2,3-cd]pyrene     | ND     | 0.00732        | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Naphthalene                | ND     | 0.00732        | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Phenanthrene               | ND     | 0.00732        | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Pyrene                     | ND     | 0.0146         | 0.0366   |                    | mg/Kg-dry | 1  | 04/23/08 04:34 PM |
| Surr: 2-Fluorobiphenyl     | 94.8   | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 04:34 PM |
| Surr: 4-Terphenyl-d14      | 103    | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 04:34 PM |
| Surr: Nitrobenzene-d5      | 97.4   | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 04:34 PM |
| <b>Volatiles by GC/MS</b>  |        | <b>SW8260B</b> |          | <b>Analyst: KW</b> |           |    |                   |
| 1,1,1-Trichloroethane      | ND     | 0.00110        | 0.00549  |                    | mg/Kg-dry | 1  | 04/21/08 12:45 PM |
| 1,1,2,2-Tetrachloroethane  | ND     | 0.00110        | 0.00549  |                    | mg/Kg-dry | 1  | 04/21/08 12:45 PM |
| 1,1,2-Trichloroethane      | ND     | 0.00110        | 0.00549  |                    | mg/Kg-dry | 1  | 04/21/08 12:45 PM |
| 1,1-Dichloroethane         | ND     | 0.00110        | 0.00549  |                    | mg/Kg-dry | 1  | 04/21/08 12:45 PM |
| 1,1-Dichloroethene         | ND     | 0.00110        | 0.00549  |                    | mg/Kg-dry | 1  | 04/21/08 12:45 PM |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 1A (3-4)  
 Lab ID: 0804184-01  
 Collection Date: 04/16/08 01:45 PM  
 Matrix: Soil

| Analyses                          | Result | MDL            | RL       | Qual | Units     | DF | Date Analyzed       |
|-----------------------------------|--------|----------------|----------|------|-----------|----|---------------------|
| 1,2-Dibromooethane                | ND     | 0.00110        | 0.00549  |      | mg/Kg-dry | 1  | 04/21/08 12:45 PM   |
| 1,2-Dichloroethane                | ND     | 0.00110        | 0.00549  |      | mg/Kg-dry | 1  | 04/21/08 12:45 PM   |
| Benzene                           | ND     | 0.00110        | 0.00549  |      | mg/Kg-dry | 1  | 04/21/08 12:45 PM   |
| Carbon tetrachloride              | ND     | 0.00110        | 0.00549  |      | mg/Kg-dry | 1  | 04/21/08 12:45 PM   |
| Chloroform                        | ND     | 0.00110        | 0.00549  |      | mg/Kg-dry | 1  | 04/21/08 12:45 PM   |
| Ethylbenzene                      | ND     | 0.00110        | 0.00549  |      | mg/Kg-dry | 1  | 04/21/08 12:45 PM   |
| Methylene chloride                | ND     | 0.00549        | 0.00549  |      | mg/Kg-dry | 1  | 04/21/08 12:45 PM   |
| Tetrachloroethene                 | ND     | 0.00110        | 0.00549  |      | mg/Kg-dry | 1  | 04/21/08 12:45 PM   |
| Toluene                           | ND     | 0.00110        | 0.00549  |      | mg/Kg-dry | 1  | 04/21/08 12:45 PM   |
| Total Xylenes                     | ND     | 0.00110        | 0.00549  |      | mg/Kg-dry | 1  | 04/21/08 12:45 PM   |
| Trichloroethene                   | ND     | 0.00110        | 0.00549  |      | mg/Kg-dry | 1  | 04/21/08 12:45 PM   |
| Vinyl chloride                    | ND     | 0.00110        | 0.00549  |      | mg/Kg-dry | 1  | 04/21/08 12:45 PM   |
| Surr: 1,2-Dichloroethane-d4       | 103    | 0              | 78 - 125 |      | %REC      | 1  | 04/21/08 12:45 PM   |
| Surr: 4-Bromofluorobenzene        | 106    | 0              | 82 - 125 |      | %REC      | 1  | 04/21/08 12:45 PM   |
| Surr: Dibromofluoromethane        | 99.5   | 0              | 84 - 116 |      | %REC      | 1  | 04/21/08 12:45 PM   |
| Surr: Toluene-d8                  | 102    | 0              | 84 - 118 |      | %REC      | 1  | 04/21/08 12:45 PM   |
| <b>Anions by IC method - Soil</b> |        | <b>SW9056</b>  |          |      |           |    | <b>Analyst: JBC</b> |
| Chloride                          | 3710   | 108            | 108      |      | mg/Kg-dry | 20 | 04/23/08 12:02 PM   |
| Fluoride                          | 8.99   | 1.08           | 1.08     |      | mg/Kg-dry | 1  | 04/23/08 09:37 AM   |
| Nitrate-N                         | ND     | 5.40           | 5.40     |      | mg/Kg-dry | 1  | 04/23/08 09:37 AM   |
| Sulfate                           | 746    | 10.8           | 10.8     |      | mg/Kg-dry | 1  | 04/23/08 09:37 AM   |
| <b>Cyanide - Solid Sample</b>     |        | <b>SW9014</b>  |          |      |           |    | <b>Analyst: AD</b>  |
| Cyanide, Total                    | ND     | 0.175          | 0.438    |      | mg/Kg-dry | 1  | 04/25/08 03:08 PM   |
| <b>pH of Solid (Corrosivity)</b>  |        | <b>SW9045C</b> |          |      |           |    | <b>Analyst: JBC</b> |
| pH                                | 8.74   | 0              | 0        |      | pH Units  | 1  | 04/22/08 01:45 PM   |
| <b>Percent Moisture</b>           |        | <b>D2216</b>   |          |      |           |    | <b>Analyst: RP</b>  |
| Percent Moisture                  | 9.47   | 0              | 0        | N    | WT%       | 1  | 04/24/08 05:23 PM   |

|             |    |                                                     |     |                                            |
|-------------|----|-----------------------------------------------------|-----|--------------------------------------------|
| Qualifiers: | *  | Value exceeds TCLP Maximum Concentration Level      | J   | Analyte detected between MDL and RL        |
|             | B  | Analyte detected in the associated Method Blank     | MDL | Method Detection Limit                     |
|             | C  | Sample Result or QC discussed in the Case Narrative | N   | Parameter not NELAC certified              |
|             | DF | Dilution Factor                                     | ND  | Not Detected at the Method Detection Limit |
|             | E  | TPH pattern not Gas or Diesel Range Pattern         | RL  | Reporting Limit                            |
|             |    |                                                     | S   | Spike Recovery outside control limits      |

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 1B(3-4)  
 Lab ID: 0804184-02  
 Collection Date: 04/16/08 02:00 PM  
 Matrix: Soil

| Analyses                             | Result | MDL            | RL       | Qual | Units     | DF | Date Analyzed       |
|--------------------------------------|--------|----------------|----------|------|-----------|----|---------------------|
| <b>PCB by GC - Soil/Solid</b>        |        | <b>SW8082</b>  |          |      |           |    | <b>Analyst: CZ</b>  |
| Aroclor 1016                         | ND     | 0.0510         | 0.102    |      | mg/Kg-dry | 1  | 04/22/08 05:56 PM   |
| Aroclor 1221                         | ND     | 0.0510         | 0.102    |      | mg/Kg-dry | 1  | 04/22/08 05:56 PM   |
| Aroclor 1232                         | ND     | 0.0510         | 0.102    |      | mg/Kg-dry | 1  | 04/22/08 05:56 PM   |
| Aroclor 1242                         | ND     | 0.0510         | 0.102    |      | mg/Kg-dry | 1  | 04/22/08 05:56 PM   |
| Aroclor 1248                         | ND     | 0.0510         | 0.102    |      | mg/Kg-dry | 1  | 04/22/08 05:56 PM   |
| Aroclor 1254                         | ND     | 0.0510         | 0.102    |      | mg/Kg-dry | 1  | 04/22/08 05:56 PM   |
| Aroclor 1260                         | ND     | 0.0510         | 0.102    |      | mg/Kg-dry | 1  | 04/22/08 05:56 PM   |
| Surr: Decachlorobiphenyl             | 70.6   | 0              | 40 - 130 |      | %REC      | 1  | 04/22/08 05:56 PM   |
| Surr: Tetrachloro-m-xylene           | 71.8   | 0              | 40 - 130 |      | %REC      | 1  | 04/22/08 05:56 PM   |
| <b>TPH Extractable by GC - Soil</b>  |        | <b>M8015D</b>  |          |      |           |    | <b>Analyst: CZ</b>  |
| TPH-DRO C10-C28                      | ND     | 2.98           | 9.93     |      | mg/Kg-dry | 1  | 04/22/08 05:46 PM   |
| Surr: o-Terphenyl                    | 69.7   | 0              | 47 - 142 |      | %REC      | 1  | 04/22/08 05:46 PM   |
| Surr: Octacosane                     | 77.3   | 0              | 25 - 162 |      | %REC      | 1  | 04/22/08 05:46 PM   |
| <b>Modified 8015 Gasoline (GRO)</b>  |        | <b>M8015V</b>  |          |      |           |    | <b>Analyst: JAW</b> |
| Gasoline Range Organics              | ND     | 0.0608         | 0.203    |      | mg/Kg-dry | 1  | 04/25/08 12:35 PM   |
| Surr: Tetrachlorethene               | 118    | 0              | 70 - 134 |      | %REC      | 1  | 04/25/08 12:35 PM   |
| <b>Total Mercury: Soil/Solid</b>     |        | <b>SW7471A</b> |          |      |           |    | <b>Analyst: JCG</b> |
| Mercury                              | ND     | 0.0159         | 0.0398   |      | mg/Kg-dry | 1  | 04/21/08 03:30 PM   |
| <b>Trace Metals: ICP-MS - Solid</b>  |        | <b>SW6020</b>  |          |      |           |    | <b>Analyst: AJR</b> |
| Aluminum                             | 6130   | 63.7           | 63.7     |      | mg/Kg-dry | 25 | 04/22/08 03:00 PM   |
| Arsenic                              | 1.56   | 0.510          | 1.02     |      | mg/Kg-dry | 5  | 04/21/08 08:43 PM   |
| Barium                               | 25.2   | 0.510          | 2.04     |      | mg/Kg-dry | 5  | 04/21/08 08:43 PM   |
| Boron                                | 3.29   | 2.55           | 7.64     | J    | mg/Kg-dry | 5  | 04/22/08 02:16 PM   |
| Cadmium                              | ND     | 0.102          | 0.306    |      | mg/Kg-dry | 5  | 04/21/08 08:43 PM   |
| Chromium                             | 6.22   | 0.510          | 2.04     |      | mg/Kg-dry | 5  | 04/21/08 08:43 PM   |
| Cobalt                               | 1.29   | 0.510          | 2.04     | J    | mg/Kg-dry | 5  | 04/21/08 08:43 PM   |
| Copper                               | 4.08   | 0.510          | 2.04     |      | mg/Kg-dry | 5  | 04/21/08 08:43 PM   |
| Iron                                 | 4580   | 63.7           | 63.7     |      | mg/Kg-dry | 25 | 04/22/08 03:00 PM   |
| Lead                                 | 3.22   | 0.102          | 0.306    |      | mg/Kg-dry | 5  | 04/21/08 08:43 PM   |
| Manganese                            | 48.6   | 0.510          | 2.04     |      | mg/Kg-dry | 5  | 04/21/08 08:43 PM   |
| Molybdenum                           | ND     | 0.510          | 2.04     |      | mg/Kg-dry | 5  | 04/21/08 08:43 PM   |
| Nickel                               | 3.46   | 0.510          | 2.04     |      | mg/Kg-dry | 5  | 04/21/08 08:43 PM   |
| Selenium                             | 0.516  | 0.153          | 0.510    |      | mg/Kg-dry | 5  | 04/21/08 08:43 PM   |
| Silver                               | ND     | 0.102          | 0.204    |      | mg/Kg-dry | 5  | 04/21/08 08:43 PM   |
| Zinc                                 | 11.0   | 1.02           | 2.55     |      | mg/Kg-dry | 5  | 04/21/08 08:43 PM   |
| <b>Uranium in Soil by ICPMS</b>      |        | <b>SW6020</b>  |          |      |           |    | <b>Analyst: AJR</b> |
| Uranium                              | ND     | 1.02           | 2.55     | N    | mg/Kg-dry | 5  | 04/22/08 12:44 PM   |
| <b>Semivolatiles by GC/MS - Soil</b> |        | <b>SW8270C</b> |          |      |           |    | <b>Analyst: DO</b>  |
| 1-Methylnaphthalene                  | ND     | 0.0504         | 0.134    | N    | mg/Kg-dry | 1  | 04/21/08 09:14 PM   |
| 2,3,4,6-Tetrachlorophenol            | ND     | 0.0403         | 0.134    | N    | mg/Kg-dry | 1  | 04/21/08 09:14 PM   |
| 2,4,5-Trichlorophenol                | ND     | 0.0706         | 0.134    |      | mg/Kg-dry | 1  | 04/21/08 09:14 PM   |
| 2,4,6-Trichlorophenol                | ND     | 0.0605         | 0.134    |      | mg/Kg-dry | 1  | 04/21/08 09:14 PM   |
| 2,4-Dichlorophenol                   | ND     | 0.0807         | 0.134    |      | mg/Kg-dry | 1  | 04/21/08 09:14 PM   |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 1B(3-4)  
 Lab ID: 0804184-02  
 Collection Date: 04/16/08 02:00 PM  
 Matrix: Soil

| Analyses                   | Result | MDL            | RL       | Qual               | Units     | DF | Date Analyzed     |
|----------------------------|--------|----------------|----------|--------------------|-----------|----|-------------------|
| 2,4-Dimethylphenol         | ND     | 0.0605         | 0.134    |                    | mg/Kg-dry | 1  | 04/21/08 09:14 PM |
| 2,4-Dinitrophenol          | ND     | 0.0504         | 0.666    |                    | mg/Kg-dry | 1  | 04/21/08 09:14 PM |
| 2,6-Dichlorophenol         | ND     | 0.0605         | 0.134    |                    | mg/Kg-dry | 1  | 04/21/08 09:14 PM |
| 2-Methylnaphthalene        | ND     | 0.0202         | 0.134    |                    | mg/Kg-dry | 1  | 04/21/08 09:14 PM |
| 2-Methylphenol             | ND     | 0.0706         | 0.134    |                    | mg/Kg-dry | 1  | 04/21/08 09:14 PM |
| 2-Nitrophenol              | ND     | 0.0706         | 0.134    |                    | mg/Kg-dry | 1  | 04/21/08 09:14 PM |
| 4,6-Dinitro-2-methylphenol | ND     | 0.0807         | 0.333    |                    | mg/Kg-dry | 1  | 04/21/08 09:14 PM |
| 4-Chloro-3-methylphenol    | ND     | 0.0605         | 0.134    |                    | mg/Kg-dry | 1  | 04/21/08 09:14 PM |
| 4-Methylphenol             | ND     | 0.101          | 0.134    |                    | mg/Kg-dry | 1  | 04/21/08 09:14 PM |
| 4-Nitrophenol              | ND     | 0.141          | 0.666    |                    | mg/Kg-dry | 1  | 04/21/08 09:14 PM |
| Pentachlorophenol          | ND     | 0.0908         | 0.134    |                    | mg/Kg-dry | 1  | 04/21/08 09:14 PM |
| Phenol                     | ND     | 0.0605         | 0.134    |                    | mg/Kg-dry | 1  | 04/21/08 09:14 PM |
| Surr: 2,4,6-Tribromophenol | 103    | 0              | 45 - 138 |                    | %REC      | 1  | 04/21/08 09:14 PM |
| Surr: 2-Fluorobiphenyl     | 87.1   | 0              | 60 - 135 |                    | %REC      | 1  | 04/21/08 09:14 PM |
| Surr: 2-Fluorophenol       | 83.8   | 0              | 37 - 125 |                    | %REC      | 1  | 04/21/08 09:14 PM |
| Surr: 4-Terphenyl-d14      | 91.0   | 0              | 60 - 129 |                    | %REC      | 1  | 04/21/08 09:14 PM |
| Surr: Nitrobenzene-d5      | 77.4   | 0              | 45 - 125 |                    | %REC      | 1  | 04/21/08 09:14 PM |
| Surr: Phenol-d6            | 86.6   | 0              | 40 - 125 |                    | %REC      | 1  | 04/21/08 09:14 PM |
| <b>PAHs: GC/MS</b>         |        | <b>SW8270C</b> |          | <b>Analyst: DO</b> |           |    |                   |
| Acenaphthene               | ND     | 0.0134         | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Acenaphthylene             | ND     | 0.00672        | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Anthracene                 | ND     | 0.00672        | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Benzo[a]anthracene         | ND     | 0.0134         | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Benzo[a]pyrene             | ND     | 0.0202         | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Benzo[b]fluoranthene       | ND     | 0.0134         | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Benzo[g,h,i]perylene       | ND     | 0.0134         | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Benzo[k]fluoranthene       | ND     | 0.0202         | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Chrysene                   | ND     | 0.0134         | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Dibenz[a,h]anthracene      | ND     | 0.0134         | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Fluoranthene               | ND     | 0.00672        | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Fluorene                   | ND     | 0.00672        | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Indeno[1,2,3-cd]pyrene     | ND     | 0.00672        | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Naphthalene                | ND     | 0.00672        | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Phenanthrene               | ND     | 0.00672        | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Pyrene                     | ND     | 0.0134         | 0.0336   |                    | mg/Kg-dry | 1  | 04/23/08 05:16 PM |
| Surr: 2-Fluorobiphenyl     | 98.4   | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 05:16 PM |
| Surr: 4-Terphenyl-d14      | 106    | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 05:16 PM |
| Surr: Nitrobenzene-d5      | 97.0   | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 05:16 PM |
| <b>Volatiles by GC/MS</b>  |        | <b>SW8260B</b> |          | <b>Analyst: KW</b> |           |    |                   |
| 1,1,1-Trichloroethane      | ND     | 0.000960       | 0.00480  |                    | mg/Kg-dry | 1  | 04/21/08 01:17 PM |
| 1,1,2,2-Tetrachloroethane  | ND     | 0.000960       | 0.00480  |                    | mg/Kg-dry | 1  | 04/21/08 01:17 PM |
| 1,1,2-Trichloroethane      | ND     | 0.000960       | 0.00480  |                    | mg/Kg-dry | 1  | 04/21/08 01:17 PM |
| 1,1-Dichloroethane         | ND     | 0.000960       | 0.00480  |                    | mg/Kg-dry | 1  | 04/21/08 01:17 PM |
| 1,1-Dichloroethene         | ND     | 0.000960       | 0.00480  |                    | mg/Kg-dry | 1  | 04/21/08 01:17 PM |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits



## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 1B(3-4)  
 Lab ID: 0804184-02  
 Collection Date: 04/16/08 02:00 PM  
 Matrix: Soil

| Analyses                          | Result | MDL            | RL       | Qual | Units     | DF | Date Analyzed       |
|-----------------------------------|--------|----------------|----------|------|-----------|----|---------------------|
| 1,2-Dibromoethane                 | ND     | 0.000960       | 0.00480  |      | mg/Kg-dry | 1  | 04/21/08 01:17 PM   |
| 1,2-Dichloroethane                | ND     | 0.000960       | 0.00480  |      | mg/Kg-dry | 1  | 04/21/08 01:17 PM   |
| Benzene                           | ND     | 0.000960       | 0.00480  |      | mg/Kg-dry | 1  | 04/21/08 01:17 PM   |
| Carbon tetrachloride              | ND     | 0.000960       | 0.00480  |      | mg/Kg-dry | 1  | 04/21/08 01:17 PM   |
| Chloroform                        | ND     | 0.000960       | 0.00480  |      | mg/Kg-dry | 1  | 04/21/08 01:17 PM   |
| Ethylbenzene                      | ND     | 0.000960       | 0.00480  |      | mg/Kg-dry | 1  | 04/21/08 01:17 PM   |
| Methylene chloride                | ND     | 0.00480        | 0.00480  |      | mg/Kg-dry | 1  | 04/21/08 01:17 PM   |
| Tetrachloroethene                 | ND     | 0.000960       | 0.00480  |      | mg/Kg-dry | 1  | 04/21/08 01:17 PM   |
| Toluene                           | ND     | 0.000960       | 0.00480  |      | mg/Kg-dry | 1  | 04/21/08 01:17 PM   |
| Total Xylenes                     | ND     | 0.000960       | 0.00480  |      | mg/Kg-dry | 1  | 04/21/08 01:17 PM   |
| Trichloroethene                   | ND     | 0.000960       | 0.00480  |      | mg/Kg-dry | 1  | 04/21/08 01:17 PM   |
| Vinyl chloride                    | ND     | 0.000960       | 0.00480  |      | mg/Kg-dry | 1  | 04/21/08 01:17 PM   |
| Surr: 1,2-Dichloroethane-d4       | 96.1   | 0              | 78 - 125 |      | %REC      | 1  | 04/21/08 01:17 PM   |
| Surr: 4-Bromofluorobenzene        | 104    | 0              | 82 - 125 |      | %REC      | 1  | 04/21/08 01:17 PM   |
| Surr: Dibromofluoromethane        | 98.8   | 0              | 84 - 116 |      | %REC      | 1  | 04/21/08 01:17 PM   |
| Surr: Toluene-d8                  | 102    | 0              | 84 - 118 |      | %REC      | 1  | 04/21/08 01:17 PM   |
| <b>Anions by IC method - Soil</b> |        | <b>SW9056</b>  |          |      |           |    | <b>Analyst: JBC</b> |
| Chloride                          | 25.3   | 5.15           | 5.15     |      | mg/Kg-dry | 1  | 04/23/08 09:52 AM   |
| Fluoride                          | 1.43   | 1.03           | 1.03     |      | mg/Kg-dry | 1  | 04/23/08 09:52 AM   |
| Nitrate-N                         | 8.49   | 5.15           | 5.15     |      | mg/Kg-dry | 1  | 04/23/08 09:52 AM   |
| Sulfate                           | 32.7   | 10.3           | 10.3     |      | mg/Kg-dry | 1  | 04/23/08 09:52 AM   |
| <b>Cyanide - Solid Sample</b>     |        | <b>SW9014</b>  |          |      |           |    | <b>Analyst: AD</b>  |
| Cyanide, Total                    | ND     | 0.164          | 0.410    |      | mg/Kg-dry | 1  | 04/25/08 03:13 PM   |
| <b>pH of Solid (Corrosivity)</b>  |        | <b>SW9045C</b> |          |      |           |    | <b>Analyst: JBC</b> |
| pH                                | 8.55   | 0              | 0        |      | pH Units  | 1  | 04/22/08 01:45 PM   |
| <b>Percent Moisture</b>           |        | <b>D2216</b>   |          |      |           |    | <b>Analyst: RP</b>  |
| Percent Moisture                  | 4.74   | 0              | 0        | N    | WT%       | 1  | 04/24/08 05:23 PM   |

|                    |    |                                                     |     |                                            |
|--------------------|----|-----------------------------------------------------|-----|--------------------------------------------|
| <b>Qualifiers:</b> | *  | Value exceeds TCLP Maximum Concentration Level      | J   | Analyte detected between MDL and RL        |
|                    | B  | Analyte detected in the associated Method Blank     | MDL | Method Detection Limit                     |
|                    | C  | Sample Result or QC discussed in the Case Narrative | N   | Parameter not NELAC certified              |
|                    | DF | Dilution Factor                                     | ND  | Not Detected at the Method Detection Limit |
|                    | E  | TPH pattern not Gas or Diesel Range Pattern         | RL  | Reporting Limit                            |
|                    |    |                                                     | S   | Spike Recovery outside control limits      |

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 1C(3-4)  
 Lab ID: 0804184-03  
 Collection Date: 04/16/08 01:00 PM  
 Matrix: Soil

| Analyses                             | Result | MDL            | RL       | Qual | Units     | DF | Date Analyzed       |
|--------------------------------------|--------|----------------|----------|------|-----------|----|---------------------|
| <b>PCB by GC - Soil/Solid</b>        |        | <b>SW8082</b>  |          |      |           |    | <b>Analyst: CZ</b>  |
| Aroclor 1016                         | ND     | 0.0503         | 0.101    |      | mg/Kg-dry | 1  | 04/22/08 06:18 PM   |
| Aroclor 1221                         | ND     | 0.0503         | 0.101    |      | mg/Kg-dry | 1  | 04/22/08 06:18 PM   |
| Aroclor 1232                         | ND     | 0.0503         | 0.101    |      | mg/Kg-dry | 1  | 04/22/08 06:18 PM   |
| Aroclor 1242                         | ND     | 0.0503         | 0.101    |      | mg/Kg-dry | 1  | 04/22/08 06:18 PM   |
| Aroclor 1248                         | 0.0775 | 0.0503         | 0.101    | J    | mg/Kg-dry | 1  | 04/23/08 01:07 PM   |
| Aroclor 1254                         | ND     | 0.0503         | 0.101    |      | mg/Kg-dry | 1  | 04/22/08 06:18 PM   |
| Aroclor 1260                         | ND     | 0.0503         | 0.101    |      | mg/Kg-dry | 1  | 04/22/08 06:18 PM   |
| Surr: Decachlorobiphenyl             | 84.2   | 0              | 40 - 130 |      | %REC      | 1  | 04/23/08 01:07 PM   |
| Surr: Decachlorobiphenyl             | 95.2   | 0              | 40 - 130 |      | %REC      | 1  | 04/22/08 06:18 PM   |
| Surr: Tetrachloro-m-xylene           | 86.1   | 0              | 40 - 130 |      | %REC      | 1  | 04/23/08 01:07 PM   |
| Surr: Tetrachloro-m-xylene           | 104    | 0              | 40 - 130 |      | %REC      | 1  | 04/22/08 06:18 PM   |
| <b>TPH Extractable by GC - Soil</b>  |        | <b>M8015D</b>  |          |      |           |    | <b>Analyst: CZ</b>  |
| TPH-DRO C10-C28                      | 336    | 3.11           | 10.4     |      | mg/Kg-dry | 1  | 04/22/08 11:18 AM   |
| Surr: o-Terphenyl                    | 72.9   | 0              | 47 - 142 |      | %REC      | 1  | 04/22/08 11:18 AM   |
| Surr: Octacosane                     | 96.2   | 0              | 25 - 162 |      | %REC      | 1  | 04/22/08 11:18 AM   |
| <b>Modified 8015 Gasoline (GRO)</b>  |        | <b>M8015V</b>  |          |      |           |    | <b>Analyst: JAW</b> |
| Gasoline Range Organics              | 14.4   | 0.0625         | 0.208    |      | mg/Kg-dry | 1  | 04/25/08 04:27 PM   |
| Surr: Tetrachlorethene               | 117    | 0              | 70 - 134 |      | %REC      | 1  | 04/25/08 04:27 PM   |
| <b>Total Mercury: Soil/Solid</b>     |        | <b>SW7471A</b> |          |      |           |    | <b>Analyst: JCG</b> |
| Mercury                              | ND     | 0.0163         | 0.0408   |      | mg/Kg-dry | 1  | 04/21/08 03:32 PM   |
| <b>Trace Metals: ICP-MS - Solid</b>  |        | <b>SW6020</b>  |          |      |           |    | <b>Analyst: AJR</b> |
| Aluminum                             | 2390   | 13.4           | 13.4     |      | mg/Kg-dry | 5  | 04/21/08 09:19 PM   |
| Arsenic                              | 3.67   | 0.534          | 1.07     |      | mg/Kg-dry | 5  | 04/21/08 09:19 PM   |
| Barium                               | 321    | 0.534          | 2.14     |      | mg/Kg-dry | 5  | 04/21/08 09:19 PM   |
| Boron                                | 4.91   | 2.67           | 8.01     | J    | mg/Kg-dry | 5  | 04/22/08 02:20 PM   |
| Cadmium                              | 0.114  | 0.107          | 0.321    | J    | mg/Kg-dry | 5  | 04/21/08 09:19 PM   |
| Chromium                             | 1.80   | 0.534          | 2.14     | J    | mg/Kg-dry | 5  | 04/21/08 09:19 PM   |
| Cobalt                               | 1.34   | 0.534          | 2.14     | J    | mg/Kg-dry | 5  | 04/21/08 09:19 PM   |
| Copper                               | 4.36   | 0.534          | 2.14     |      | mg/Kg-dry | 5  | 04/21/08 09:19 PM   |
| Iron                                 | 1320   | 13.4           | 13.4     |      | mg/Kg-dry | 5  | 04/21/08 09:19 PM   |
| Lead                                 | 0.766  | 0.107          | 0.321    |      | mg/Kg-dry | 5  | 04/21/08 09:19 PM   |
| Manganese                            | 14.2   | 0.534          | 2.14     |      | mg/Kg-dry | 5  | 04/21/08 09:19 PM   |
| Molybdenum                           | ND     | 0.534          | 2.14     |      | mg/Kg-dry | 5  | 04/21/08 09:19 PM   |
| Nickel                               | 5.04   | 0.534          | 2.14     |      | mg/Kg-dry | 5  | 04/21/08 09:19 PM   |
| Selenium                             | ND     | 0.160          | 0.534    |      | mg/Kg-dry | 5  | 04/21/08 09:19 PM   |
| Silver                               | ND     | 0.107          | 0.214    |      | mg/Kg-dry | 5  | 04/21/08 09:19 PM   |
| Zinc                                 | 5.12   | 1.07           | 2.67     |      | mg/Kg-dry | 5  | 04/21/08 09:19 PM   |
| <b>Uranium in Soil by ICPMS</b>      |        | <b>SW6020</b>  |          |      |           |    | <b>Analyst: AJR</b> |
| Uranium                              | ND     | 1.07           | 2.67     | N    | mg/Kg-dry | 5  | 04/22/08 12:46 PM   |
| <b>Semivolatiles by GC/MS - Soil</b> |        | <b>SW8270C</b> |          |      |           |    | <b>Analyst: DO</b>  |
| 1-Methylnaphthalene                  | 1.53   | 0.0508         | 0.135    | N    | mg/Kg-dry | 1  | 04/21/08 09:36 PM   |
| 2,3,4,6-Tetrachlorophenol            | ND     | 0.0407         | 0.135    | N    | mg/Kg-dry | 1  | 04/21/08 09:36 PM   |
| 2,4,5-Trichlorophenol                | ND     | 0.0712         | 0.135    |      | mg/Kg-dry | 1  | 04/21/08 09:36 PM   |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 1C(3-4)  
 Lab ID: 0804184-03  
 Collection Date: 04/16/08 01:00 PM  
 Matrix: Soil

| Analyses                   | Result | MDL            | RL       | Qual               | Units     | DF | Date Analyzed     |
|----------------------------|--------|----------------|----------|--------------------|-----------|----|-------------------|
| 2,4,6-Trichlorophenol      | ND     | 0.0610         | 0.135    |                    | mg/Kg-dry | 1  | 04/21/08 09:36 PM |
| 2,4-Dichlorophenol         | ND     | 0.0813         | 0.135    |                    | mg/Kg-dry | 1  | 04/21/08 09:36 PM |
| 2,4-Dimethylphenol         | ND     | 0.0610         | 0.135    |                    | mg/Kg-dry | 1  | 04/21/08 09:36 PM |
| 2,4-Dinitrophenol          | ND     | 0.0508         | 0.671    |                    | mg/Kg-dry | 1  | 04/21/08 09:36 PM |
| 2,6-Dichlorophenol         | ND     | 0.0610         | 0.135    |                    | mg/Kg-dry | 1  | 04/21/08 09:36 PM |
| 2-Methylnaphthalene        | 1.53   | 0.0203         | 0.135    |                    | mg/Kg-dry | 1  | 04/21/08 09:36 PM |
| 2-Methylphenol             | ND     | 0.0712         | 0.135    |                    | mg/Kg-dry | 1  | 04/21/08 09:36 PM |
| 2-Nitrophenol              | ND     | 0.0712         | 0.135    |                    | mg/Kg-dry | 1  | 04/21/08 09:36 PM |
| 4,6-Dinitro-2-methylphenol | ND     | 0.0813         | 0.336    |                    | mg/Kg-dry | 1  | 04/21/08 09:36 PM |
| 4-Chloro-3-methylphenol    | ND     | 0.0610         | 0.135    |                    | mg/Kg-dry | 1  | 04/21/08 09:36 PM |
| 4-Methylphenol             | ND     | 0.102          | 0.135    |                    | mg/Kg-dry | 1  | 04/21/08 09:36 PM |
| 4-Nitrophenol              | ND     | 0.142          | 0.671    |                    | mg/Kg-dry | 1  | 04/21/08 09:36 PM |
| Pentachlorophenol          | ND     | 0.0915         | 0.135    |                    | mg/Kg-dry | 1  | 04/21/08 09:36 PM |
| Phenol                     | ND     | 0.0610         | 0.135    |                    | mg/Kg-dry | 1  | 04/21/08 09:36 PM |
| Surr: 2,4,6-Tribromophenol | 76.4   | 0              | 45 - 138 |                    | %REC      | 1  | 04/21/08 09:36 PM |
| Surr: 2-Fluorobiphenyl     | 70.4   | 0              | 60 - 135 |                    | %REC      | 1  | 04/21/08 09:36 PM |
| Surr: 2-Fluorophenol       | 67.9   | 0              | 37 - 125 |                    | %REC      | 1  | 04/21/08 09:36 PM |
| Surr: 4-Terphenyl-d14      | 76.4   | 0              | 60 - 129 |                    | %REC      | 1  | 04/21/08 09:36 PM |
| Surr: Nitrobenzene-d5      | 67.4   | 0              | 45 - 125 |                    | %REC      | 1  | 04/21/08 09:36 PM |
| Surr: Phenol-d6            | 69.4   | 0              | 40 - 125 |                    | %REC      | 1  | 04/21/08 09:36 PM |
| <b>PAHs: GC/MS</b>         |        | <b>SW8270C</b> |          | <b>Analyst: DO</b> |           |    |                   |
| Acenaphthene               | ND     | 0.0136         | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Acenaphthylene             | ND     | 0.00678        | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Anthracene                 | ND     | 0.00678        | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Benzo[a]anthracene         | ND     | 0.0136         | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Benzo[a]pyrene             | ND     | 0.0203         | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Benzo[b]fluoranthene       | ND     | 0.0136         | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Benzo[g,h,i]perylene       | ND     | 0.0136         | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Benzo[k]fluoranthene       | ND     | 0.0203         | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Chrysene                   | ND     | 0.0136         | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Dibenz[a,h]anthracene      | ND     | 0.0136         | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Fluoranthene               | ND     | 0.00678        | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Fluorene                   | ND     | 0.00678        | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Indeno[1,2,3-cd]pyrene     | ND     | 0.00678        | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Naphthalene                | 0.178  | 0.00678        | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Phenanthrene               | 0.0484 | 0.00678        | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Pyrene                     | ND     | 0.0136         | 0.0339   |                    | mg/Kg-dry | 1  | 04/23/08 07:56 PM |
| Surr: 2-Fluorobiphenyl     | 87.6   | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 07:56 PM |
| Surr: 4-Terphenyl-d14      | 84.8   | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 07:56 PM |
| Surr: Nitrobenzene-d5      | 82.0   | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 07:56 PM |
| <b>Volatiles by GC/MS</b>  |        | <b>SW8260B</b> |          | <b>Analyst: KW</b> |           |    |                   |
| 1,1,1-Trichloroethane      | ND     | 0.00106        | 0.00530  |                    | mg/Kg-dry | 1  | 04/21/08 06:15 PM |
| 1,1,2,2-Tetrachloroethane  | ND     | 0.00106        | 0.00530  |                    | mg/Kg-dry | 1  | 04/21/08 06:15 PM |
| 1,1,2-Trichloroethane      | ND     | 0.00106        | 0.00530  |                    | mg/Kg-dry | 1  | 04/21/08 06:15 PM |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 1C(3-4)  
 Lab ID: 0804184-03  
 Collection Date: 04/16/08 01:00 PM  
 Matrix: Soil

| Analyses                          | Result | MDL            | RL       | Qual | Units     | DF | Date Analyzed       |
|-----------------------------------|--------|----------------|----------|------|-----------|----|---------------------|
| 1,1-Dichloroethane                | ND     | 0.00106        | 0.00530  |      | mg/Kg-dry | 1  | 04/21/08 06:15 PM   |
| 1,1-Dichloroethene                | ND     | 0.00106        | 0.00530  |      | mg/Kg-dry | 1  | 04/21/08 06:15 PM   |
| 1,2-Dibromoethane                 | ND     | 0.00106        | 0.00530  |      | mg/Kg-dry | 1  | 04/21/08 06:15 PM   |
| 1,2-Dichloroethane                | ND     | 0.00106        | 0.00530  |      | mg/Kg-dry | 1  | 04/21/08 06:15 PM   |
| Benzene                           | ND     | 0.00106        | 0.00530  |      | mg/Kg-dry | 1  | 04/21/08 06:15 PM   |
| Carbon tetrachloride              | ND     | 0.00106        | 0.00530  |      | mg/Kg-dry | 1  | 04/21/08 06:15 PM   |
| Chloroform                        | ND     | 0.00106        | 0.00530  |      | mg/Kg-dry | 1  | 04/21/08 06:15 PM   |
| Ethylbenzene                      | 0.0965 | 0.00106        | 0.00530  |      | mg/Kg-dry | 1  | 04/21/08 06:15 PM   |
| Methylene chloride                | ND     | 0.00530        | 0.00530  |      | mg/Kg-dry | 1  | 04/21/08 06:15 PM   |
| Tetrachloroethene                 | ND     | 0.00106        | 0.00530  |      | mg/Kg-dry | 1  | 04/21/08 06:15 PM   |
| Toluene                           | ND     | 0.00106        | 0.00530  |      | mg/Kg-dry | 1  | 04/21/08 06:15 PM   |
| Total Xylenes                     | 0.0583 | 0.00106        | 0.00530  |      | mg/Kg-dry | 1  | 04/21/08 06:15 PM   |
| Trichloroethene                   | ND     | 0.00106        | 0.00530  |      | mg/Kg-dry | 1  | 04/21/08 06:15 PM   |
| Vinyl chloride                    | ND     | 0.00106        | 0.00530  |      | mg/Kg-dry | 1  | 04/21/08 06:15 PM   |
| Surr: 1,2-Dichloroethane-d4       | 103    | 0              | 78 - 125 |      | %REC      | 1  | 04/21/08 06:15 PM   |
| Surr: 4-Bromofluorobenzene        | 115    | 0              | 82 - 125 |      | %REC      | 1  | 04/21/08 06:15 PM   |
| Surr: Dibromofluoromethane        | 103    | 0              | 84 - 116 |      | %REC      | 1  | 04/21/08 06:15 PM   |
| Surr: Toluene-d8                  | 94.3   | 0              | 84 - 118 |      | %REC      | 1  | 04/21/08 06:15 PM   |
| <b>Anions by IC method - Soil</b> |        | <b>SW9056</b>  |          |      |           |    | <b>Analyst: JBC</b> |
| Chloride                          | 1190   | 53.7           | 53.7     |      | mg/Kg-dry | 10 | 04/23/08 11:46 AM   |
| Fluoride                          | 8.58   | 1.07           | 1.07     |      | mg/Kg-dry | 1  | 04/23/08 10:08 AM   |
| Nitrate-N                         | ND     | 5.37           | 5.37     |      | mg/Kg-dry | 1  | 04/23/08 10:08 AM   |
| Sulfate                           | 34.6   | 10.7           | 10.7     |      | mg/Kg-dry | 1  | 04/23/08 10:08 AM   |
| <b>Cyanide - Solid Sample</b>     |        | <b>SW9014</b>  |          |      |           |    | <b>Analyst: AD</b>  |
| Cyanide, Total                    | ND     | 0.207          | 0.516    |      | mg/Kg-dry | 1  | 04/25/08 03:13 PM   |
| <b>pH of Solid (Corrosivity)</b>  |        | <b>SW9045C</b> |          |      |           |    | <b>Analyst: JBC</b> |
| pH                                | 8.86   | 0              | 0        |      | pH Units  | 1  | 04/22/08 01:45 PM   |
| <b>Percent Moisture</b>           |        | <b>D2216</b>   |          |      |           |    | <b>Analyst: RP</b>  |
| Percent Moisture                  | 7.34   | 0              | 0        | N    | WT%       | 1  | 04/24/08 05:23 PM   |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 1C-1(3-4)  
 Lab ID: 0804184-04  
 Collection Date: 04/16/08 01:30 PM  
 Matrix: Soil

| Analyses                             | Result | MDL            | RL       | Qual | Units     | DF | Date Analyzed       |
|--------------------------------------|--------|----------------|----------|------|-----------|----|---------------------|
| <b>PCB by GC - Soil/Solid</b>        |        | <b>SW8082</b>  |          |      |           |    | <b>Analyst: CZ</b>  |
| Aroclor 1016                         | ND     | 0.0499         | 0.0997   |      | mg/Kg-dry | 1  | 04/22/08 06:39 PM   |
| Aroclor 1221                         | ND     | 0.0499         | 0.0997   |      | mg/Kg-dry | 1  | 04/22/08 06:39 PM   |
| Aroclor 1232                         | ND     | 0.0499         | 0.0997   |      | mg/Kg-dry | 1  | 04/22/08 06:39 PM   |
| Aroclor 1242                         | ND     | 0.0499         | 0.0997   |      | mg/Kg-dry | 1  | 04/22/08 06:39 PM   |
| Aroclor 1248                         | ND     | 0.0499         | 0.0997   |      | mg/Kg-dry | 1  | 04/22/08 06:39 PM   |
| Aroclor 1254                         | ND     | 0.0499         | 0.0997   |      | mg/Kg-dry | 1  | 04/22/08 06:39 PM   |
| Aroclor 1260                         | ND     | 0.0499         | 0.0997   |      | mg/Kg-dry | 1  | 04/22/08 06:39 PM   |
| Surr: Decachlorobiphenyl             | 64.5   | 0              | 40 - 130 |      | %REC      | 1  | 04/22/08 06:39 PM   |
| Surr: Tetrachloro-m-xylene           | 64.7   | 0              | 40 - 130 |      | %REC      | 1  | 04/22/08 06:39 PM   |
| <b>TPH Extractable by GC - Soil</b>  |        | <b>M8015D</b>  |          |      |           |    | <b>Analyst: CZ</b>  |
| TPH-DRO C10-C28                      | ND     | 3.05           | 10.2     |      | mg/Kg-dry | 1  | 04/22/08 11:05 AM   |
| Surr: o-Terphenyl                    | 65.0   | 0              | 47 - 142 |      | %REC      | 1  | 04/22/08 11:05 AM   |
| Surr: Octacosane                     | 72.4   | 0              | 25 - 162 |      | %REC      | 1  | 04/22/08 11:05 AM   |
| <b>Modified 8015 Gasoline (GRO)</b>  |        | <b>M8015V</b>  |          |      |           |    | <b>Analyst: JAW</b> |
| Gasoline Range Organics              | ND     | 0.0630         | 0.210    |      | mg/Kg-dry | 1  | 04/25/08 12:59 PM   |
| Surr: Tetrachlorethene               | 112    | 0              | 70 - 134 |      | %REC      | 1  | 04/25/08 12:59 PM   |
| <b>Total Mercury: Soil/Solid</b>     |        | <b>SW7471A</b> |          |      |           |    | <b>Analyst: JCG</b> |
| Mercury                              | ND     | 0.0158         | 0.0395   |      | mg/Kg-dry | 1  | 04/21/08 03:38 PM   |
| <b>Trace Metals: ICP-MS - Solid</b>  |        | <b>SW6020</b>  |          |      |           |    | <b>Analyst: AJR</b> |
| Aluminum                             | 2310   | 12.7           | 12.7     |      | mg/Kg-dry | 5  | 04/21/08 09:23 PM   |
| Arsenic                              | 3.62   | 0.509          | 1.02     |      | mg/Kg-dry | 5  | 04/21/08 09:23 PM   |
| Barium                               | 140    | 0.509          | 2.04     |      | mg/Kg-dry | 5  | 04/21/08 09:23 PM   |
| Boron                                | 3.82   | 2.54           | 7.63     | J    | mg/Kg-dry | 5  | 04/22/08 04:50 PM   |
| Cadmium                              | ND     | 0.102          | 0.305    |      | mg/Kg-dry | 5  | 04/21/08 09:23 PM   |
| Chromium                             | 2.77   | 0.509          | 2.04     |      | mg/Kg-dry | 5  | 04/21/08 09:23 PM   |
| Cobalt                               | 2.77   | 0.509          | 2.04     |      | mg/Kg-dry | 5  | 04/21/08 09:23 PM   |
| Copper                               | 5.64   | 0.509          | 2.04     |      | mg/Kg-dry | 5  | 04/21/08 09:23 PM   |
| Iron                                 | 1630   | 12.7           | 12.7     |      | mg/Kg-dry | 5  | 04/21/08 09:23 PM   |
| Lead                                 | 1.23   | 0.102          | 0.305    |      | mg/Kg-dry | 5  | 04/21/08 09:23 PM   |
| Manganese                            | 18.7   | 0.509          | 2.04     |      | mg/Kg-dry | 5  | 04/21/08 09:23 PM   |
| Molybdenum                           | ND     | 0.509          | 2.04     |      | mg/Kg-dry | 5  | 04/21/08 09:23 PM   |
| Nickel                               | 5.42   | 0.509          | 2.04     |      | mg/Kg-dry | 5  | 04/21/08 09:23 PM   |
| Selenium                             | 0.575  | 0.153          | 0.509    |      | mg/Kg-dry | 5  | 04/21/08 09:23 PM   |
| Silver                               | ND     | 0.102          | 0.204    |      | mg/Kg-dry | 5  | 04/21/08 09:23 PM   |
| Zinc                                 | 6.09   | 1.02           | 2.54     |      | mg/Kg-dry | 5  | 04/21/08 09:23 PM   |
| <b>Uranium in Soil by ICPMS</b>      |        | <b>SW6020</b>  |          |      |           |    | <b>Analyst: AJR</b> |
| Uranium                              | ND     | 1.02           | 2.54     | N    | mg/Kg-dry | 5  | 04/22/08 12:58 PM   |
| <b>Semivolatiles by GC/MS - Soil</b> |        | <b>SW8270C</b> |          |      |           |    | <b>Analyst: DO</b>  |
| 1-Methylnaphthalene                  | ND     | 0.0534         | 0.142    | N    | mg/Kg-dry | 1  | 04/21/08 09:58 PM   |
| 2,3,4,6-Tetrachlorophenol            | ND     | 0.0427         | 0.142    | N    | mg/Kg-dry | 1  | 04/21/08 09:58 PM   |
| 2,4,5-Trichlorophenol                | ND     | 0.0748         | 0.142    |      | mg/Kg-dry | 1  | 04/21/08 09:58 PM   |
| 2,4,6-Trichlorophenol                | ND     | 0.0641         | 0.142    |      | mg/Kg-dry | 1  | 04/21/08 09:58 PM   |
| 2,4-Dichlorophenol                   | ND     | 0.0855         | 0.142    |      | mg/Kg-dry | 1  | 04/21/08 09:58 PM   |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 1C-1(3-4)  
 Lab ID: 0804184-04  
 Collection Date: 04/16/08 01:30 PM  
 Matrix: Soil

| Analyses                   | Result | MDL            | RL       | Qual               | Units     | DF | Date Analyzed     |
|----------------------------|--------|----------------|----------|--------------------|-----------|----|-------------------|
| 2,4-Dimethylphenol         | ND     | 0.0641         | 0.142    |                    | mg/Kg-dry | 1  | 04/21/08 09:58 PM |
| 2,4-Dinitrophenol          | ND     | 0.0534         | 0.705    |                    | mg/Kg-dry | 1  | 04/21/08 09:58 PM |
| 2,6-Dichlorophenol         | ND     | 0.0641         | 0.142    |                    | mg/Kg-dry | 1  | 04/21/08 09:58 PM |
| 2-Methylnaphthalene        | ND     | 0.0214         | 0.142    |                    | mg/Kg-dry | 1  | 04/21/08 09:58 PM |
| 2-Methylphenol             | ND     | 0.0748         | 0.142    |                    | mg/Kg-dry | 1  | 04/21/08 09:58 PM |
| 2-Nitrophenol              | ND     | 0.0748         | 0.142    |                    | mg/Kg-dry | 1  | 04/21/08 09:58 PM |
| 4,6-Dinitro-2-methylphenol | ND     | 0.0855         | 0.353    |                    | mg/Kg-dry | 1  | 04/21/08 09:58 PM |
| 4-Chloro-3-methylphenol    | ND     | 0.0641         | 0.142    |                    | mg/Kg-dry | 1  | 04/21/08 09:58 PM |
| 4-Methylphenol             | ND     | 0.107          | 0.142    |                    | mg/Kg-dry | 1  | 04/21/08 09:58 PM |
| 4-Nitrophenol              | ND     | 0.150          | 0.705    |                    | mg/Kg-dry | 1  | 04/21/08 09:58 PM |
| Pentachlorophenol          | ND     | 0.0962         | 0.142    |                    | mg/Kg-dry | 1  | 04/21/08 09:58 PM |
| Phenol                     | ND     | 0.0641         | 0.142    |                    | mg/Kg-dry | 1  | 04/21/08 09:58 PM |
| Surr: 2,4,6-Tribromophenol | 96.3   | 0              | 45 - 138 |                    | %REC      | 1  | 04/21/08 09:58 PM |
| Surr: 2-Fluorobiphenyl     | 77.6   | 0              | 60 - 135 |                    | %REC      | 1  | 04/21/08 09:58 PM |
| Surr: 2-Fluorophenol       | 78.4   | 0              | 37 - 125 |                    | %REC      | 1  | 04/21/08 09:58 PM |
| Surr: 4-Terphenyl-d14      | 92.8   | 0              | 60 - 129 |                    | %REC      | 1  | 04/21/08 09:58 PM |
| Surr: Nitrobenzene-d5      | 70.9   | 0              | 45 - 125 |                    | %REC      | 1  | 04/21/08 09:58 PM |
| Surr: Phenol-d6            | 81.8   | 0              | 40 - 125 |                    | %REC      | 1  | 04/21/08 09:58 PM |
| <b>PAHs: GC/MS</b>         |        | <b>SW8270C</b> |          | <b>Analyst: DO</b> |           |    |                   |
| Acenaphthene               | ND     | 0.0142         | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Acenaphthylene             | ND     | 0.00712        | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Anthracene                 | ND     | 0.00712        | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Benzo[a]anthracene         | ND     | 0.0142         | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Benzo[a]pyrene             | ND     | 0.0214         | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Benzo[b]fluoranthene       | ND     | 0.0142         | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Benzo[g,h,i]perylene       | ND     | 0.0142         | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Benzo[k]fluoranthene       | ND     | 0.0214         | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Chrysene                   | ND     | 0.0142         | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Dibenz[a,h]anthracene      | ND     | 0.0142         | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Fluoranthene               | ND     | 0.00712        | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Fluorene                   | ND     | 0.00712        | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Indeno[1,2,3-cd]pyrene     | ND     | 0.00712        | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Naphthalene                | ND     | 0.00712        | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Phenanthrene               | ND     | 0.00712        | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Pyrene                     | ND     | 0.0142         | 0.0356   |                    | mg/Kg-dry | 1  | 04/23/08 09:13 PM |
| Surr: 2-Fluorobiphenyl     | 82.1   | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 09:13 PM |
| Surr: 4-Terphenyl-d14      | 95.4   | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 09:13 PM |
| Surr: Nitrobenzene-d5      | 81.7   | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 09:13 PM |
| <b>Volatiles by GC/MS</b>  |        | <b>SW8260B</b> |          | <b>Analyst: KW</b> |           |    |                   |
| 1,1,1-Trichloroethane      | ND     | 0.00100        | 0.00501  |                    | mg/Kg-dry | 1  | 04/21/08 03:29 PM |
| 1,1,2,2-Tetrachloroethane  | ND     | 0.00100        | 0.00501  |                    | mg/Kg-dry | 1  | 04/21/08 03:29 PM |
| 1,1,2-Trichloroethane      | ND     | 0.00100        | 0.00501  |                    | mg/Kg-dry | 1  | 04/21/08 03:29 PM |
| 1,1-Dichloroethane         | ND     | 0.00100        | 0.00501  |                    | mg/Kg-dry | 1  | 04/21/08 03:29 PM |
| 1,1-Dichloroethene         | ND     | 0.00100        | 0.00501  |                    | mg/Kg-dry | 1  | 04/21/08 03:29 PM |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 1C-1(3-4)  
 Lab ID: 0804184-04  
 Collection Date: 04/16/08 01:30 PM  
 Matrix: Soil

| Analyses                          | Result | MDL            | RL       | Qual | Units     | DF | Date Analyzed       |
|-----------------------------------|--------|----------------|----------|------|-----------|----|---------------------|
| 1,2-Dibromoethane                 | ND     | 0.00100        | 0.00501  |      | mg/Kg-dry | 1  | 04/21/08 03:29 PM   |
| 1,2-Dichloroethane                | ND     | 0.00100        | 0.00501  |      | mg/Kg-dry | 1  | 04/21/08 03:29 PM   |
| Benzene                           | ND     | 0.00100        | 0.00501  |      | mg/Kg-dry | 1  | 04/21/08 03:29 PM   |
| Carbon tetrachloride              | ND     | 0.00100        | 0.00501  |      | mg/Kg-dry | 1  | 04/21/08 03:29 PM   |
| Chloroform                        | ND     | 0.00100        | 0.00501  |      | mg/Kg-dry | 1  | 04/21/08 03:29 PM   |
| Ethylbenzene                      | ND     | 0.00100        | 0.00501  |      | mg/Kg-dry | 1  | 04/21/08 03:29 PM   |
| Methylene chloride                | ND     | 0.00501        | 0.00501  |      | mg/Kg-dry | 1  | 04/21/08 03:29 PM   |
| Tetrachloroethene                 | ND     | 0.00100        | 0.00501  |      | mg/Kg-dry | 1  | 04/21/08 03:29 PM   |
| Toluene                           | ND     | 0.00100        | 0.00501  |      | mg/Kg-dry | 1  | 04/21/08 03:29 PM   |
| Total Xylenes                     | ND     | 0.00100        | 0.00501  |      | mg/Kg-dry | 1  | 04/21/08 03:29 PM   |
| Trichloroethene                   | ND     | 0.00100        | 0.00501  |      | mg/Kg-dry | 1  | 04/21/08 03:29 PM   |
| Vinyl chloride                    | ND     | 0.00100        | 0.00501  |      | mg/Kg-dry | 1  | 04/21/08 03:29 PM   |
| Surr: 1,2-Dichloroethane-d4       | 99.9   | 0              | 78 - 125 |      | %REC      | 1  | 04/21/08 03:29 PM   |
| Surr: 4-Bromofluorobenzene        | 104    | 0              | 82 - 125 |      | %REC      | 1  | 04/21/08 03:29 PM   |
| Surr: Dibromofluoromethane        | 100    | 0              | 84 - 116 |      | %REC      | 1  | 04/21/08 03:29 PM   |
| Surr: Toluene-d8                  | 101    | 0              | 84 - 118 |      | %REC      | 1  | 04/21/08 03:29 PM   |
| <b>Anions by IC method - Soil</b> |        | <b>SW9056</b>  |          |      |           |    | <b>Analyst: JBC</b> |
| Chloride                          | 52.8   | 5.42           | 5.42     |      | mg/Kg-dry | 1  | 04/23/08 10:24 AM   |
| Fluoride                          | 5.30   | 1.08           | 1.08     |      | mg/Kg-dry | 1  | 04/23/08 10:24 AM   |
| Nitrate-N                         | ND     | 5.42           | 5.42     |      | mg/Kg-dry | 1  | 04/23/08 10:24 AM   |
| Sulfate                           | 26.3   | 10.8           | 10.8     |      | mg/Kg-dry | 1  | 04/23/08 10:24 AM   |
| <b>Cyanide - Solid Sample</b>     |        | <b>SW9014</b>  |          |      |           |    | <b>Analyst: AD</b>  |
| Cyanide, Total                    | ND     | 0.198          | 0.495    |      | mg/Kg-dry | 1  | 04/25/08 03:13 PM   |
| <b>pH of Solid (Corrosivity)</b>  |        | <b>SW9045C</b> |          |      |           |    | <b>Analyst: JBC</b> |
| pH                                | 8.76   | 0              | 0        |      | pH Units  | 1  | 04/22/08 01:45 PM   |
| <b>Percent Moisture</b>           |        | <b>D2216</b>   |          |      |           |    | <b>Analyst: RP</b>  |
| Percent Moisture                  | 8.18   | 0              | 0        | N    | WT%       | 1  | 04/24/08 05:23 PM   |

**Qualifiers:**

- \* Value exceeds TCLP Maximum Concentration Level
- B Analyte detected in the associated Method Blank
- C Sample Result or QC discussed in the Case Narrative
- DF Dilution Factor
- E TPH pattern not Gas or Diesel Range Pattern

- J Analyte detected between MDL and RL
- MDL Method Detection Limit
- N Parameter not NELAC certified
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- S Spike Recovery outside control limits

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 2A(3-4)  
 Lab ID: 0804184-05  
 Collection Date: 04/16/08 10:00 AM  
 Matrix: Soil

| Analyses                             | Result | MDL            | RL       | Qual | Units     | DF | Date Analyzed       |
|--------------------------------------|--------|----------------|----------|------|-----------|----|---------------------|
| <b>PCB by GC - Soil/Solid</b>        |        | <b>SW8082</b>  |          |      |           |    | <b>Analyst: CZ</b>  |
| Aroclor 1016                         | ND     | 0.0521         | 0.104    |      | mg/Kg-dry | 1  | 04/22/08 07:44 PM   |
| Aroclor 1221                         | ND     | 0.0521         | 0.104    |      | mg/Kg-dry | 1  | 04/22/08 07:44 PM   |
| Aroclor 1232                         | ND     | 0.0521         | 0.104    |      | mg/Kg-dry | 1  | 04/22/08 07:44 PM   |
| Aroclor 1242                         | ND     | 0.0521         | 0.104    |      | mg/Kg-dry | 1  | 04/22/08 07:44 PM   |
| Aroclor 1248                         | ND     | 0.0521         | 0.104    |      | mg/Kg-dry | 1  | 04/22/08 07:44 PM   |
| Aroclor 1254                         | ND     | 0.0521         | 0.104    |      | mg/Kg-dry | 1  | 04/22/08 07:44 PM   |
| Aroclor 1260                         | ND     | 0.0521         | 0.104    |      | mg/Kg-dry | 1  | 04/22/08 07:44 PM   |
| Surr: Decachlorobiphenyl             | 76.7   | 0              | 40 - 130 |      | %REC      | 1  | 04/22/08 07:44 PM   |
| Surr: Tetrachloro-m-xylene           | 74.8   | 0              | 40 - 130 |      | %REC      | 1  | 04/22/08 07:44 PM   |
| <b>TPH Extractable by GC - Soil</b>  |        | <b>M8015D</b>  |          |      |           |    | <b>Analyst: CZ</b>  |
| TPH-DRO C10-C28                      | ND     | 3.17           | 10.6     |      | mg/Kg-dry | 1  | 04/22/08 10:52 AM   |
| Surr: o-Terphenyl                    | 74.2   | 0              | 47 - 142 |      | %REC      | 1  | 04/22/08 10:52 AM   |
| Surr: Octacosane                     | 80.3   | 0              | 25 - 162 |      | %REC      | 1  | 04/22/08 10:52 AM   |
| <b>Modified 8015 Gasoline (GRO)</b>  |        | <b>M8015V</b>  |          |      |           |    | <b>Analyst: JAW</b> |
| Gasoline Range Organics              | ND     | 0.0665         | 0.222    |      | mg/Kg-dry | 1  | 04/25/08 01:22 PM   |
| Surr: Tetrachlorethene               | 116    | 0              | 70 - 134 |      | %REC      | 1  | 04/25/08 01:22 PM   |
| <b>Total Mercury: Soil/Solid</b>     |        | <b>SW7471A</b> |          |      |           |    | <b>Analyst: JCG</b> |
| Mercury                              | ND     | 0.0172         | 0.0429   |      | mg/Kg-dry | 1  | 04/21/08 03:40 PM   |
| <b>Trace Metals: ICP-MS - Solid</b>  |        | <b>SW6020</b>  |          |      |           |    | <b>Analyst: AJR</b> |
| Aluminum                             | 2080   | 12.8           | 12.8     |      | mg/Kg-dry | 5  | 04/21/08 09:27 PM   |
| Arsenic                              | 5.48   | 0.512          | 1.02     |      | mg/Kg-dry | 5  | 04/21/08 09:27 PM   |
| Barium                               | 134    | 0.512          | 2.05     |      | mg/Kg-dry | 5  | 04/21/08 09:27 PM   |
| Boron                                | 2.99   | 2.56           | 7.68     | J    | mg/Kg-dry | 5  | 04/22/08 04:55 PM   |
| Cadmium                              | ND     | 0.102          | 0.307    |      | mg/Kg-dry | 5  | 04/21/08 09:27 PM   |
| Chromium                             | 2.62   | 0.512          | 2.05     |      | mg/Kg-dry | 5  | 04/21/08 09:27 PM   |
| Cobalt                               | 3.00   | 0.512          | 2.05     |      | mg/Kg-dry | 5  | 04/21/08 09:27 PM   |
| Copper                               | 3.71   | 0.512          | 2.05     |      | mg/Kg-dry | 5  | 04/21/08 09:27 PM   |
| Iron                                 | 2020   | 12.8           | 12.8     |      | mg/Kg-dry | 5  | 04/21/08 09:27 PM   |
| Lead                                 | 1.53   | 0.102          | 0.307    |      | mg/Kg-dry | 5  | 04/21/08 09:27 PM   |
| Manganese                            | 22.2   | 0.512          | 2.05     |      | mg/Kg-dry | 5  | 04/21/08 09:27 PM   |
| Molybdenum                           | ND     | 0.512          | 2.05     |      | mg/Kg-dry | 5  | 04/21/08 09:27 PM   |
| Nickel                               | 7.86   | 0.512          | 2.05     |      | mg/Kg-dry | 5  | 04/21/08 09:27 PM   |
| Selenium                             | 0.334  | 0.154          | 0.512    | J    | mg/Kg-dry | 5  | 04/21/08 09:27 PM   |
| Silver                               | ND     | 0.102          | 0.205    |      | mg/Kg-dry | 5  | 04/21/08 09:27 PM   |
| Zinc                                 | 3.57   | 1.02           | 2.56     |      | mg/Kg-dry | 5  | 04/21/08 09:27 PM   |
| <b>Uranium in Soil by ICPMS</b>      |        | <b>SW6020</b>  |          |      |           |    | <b>Analyst: AJR</b> |
| Uranium                              | ND     | 1.02           | 2.56     | N    | mg/Kg-dry | 5  | 04/22/08 01:00 PM   |
| <b>Semivolatiles by GC/MS - Soil</b> |        | <b>SW8270C</b> |          |      |           |    | <b>Analyst: DO</b>  |
| 1-Methylnaphthalene                  | ND     | 0.0535         | 0.142    | N    | mg/Kg-dry | 1  | 04/21/08 10:21 PM   |
| 2,3,4,6-Tetrachlorophenol            | ND     | 0.0428         | 0.142    | N    | mg/Kg-dry | 1  | 04/21/08 10:21 PM   |
| 2,4,5-Trichlorophenol                | ND     | 0.0748         | 0.142    |      | mg/Kg-dry | 1  | 04/21/08 10:21 PM   |
| 2,4,6-Trichlorophenol                | ND     | 0.0641         | 0.142    |      | mg/Kg-dry | 1  | 04/21/08 10:21 PM   |
| 2,4-Dichlorophenol                   | ND     | 0.0855         | 0.142    |      | mg/Kg-dry | 1  | 04/21/08 10:21 PM   |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits



## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 2A(3-4)  
 Lab ID: 0804184-05  
 Collection Date: 04/16/08 10:00 AM  
 Matrix: Soil

| Analyses                   | Result | MDL    | RL       | Qual | Units     | DF | Date Analyzed     |
|----------------------------|--------|--------|----------|------|-----------|----|-------------------|
| 2,4-Dimethylphenol         | ND     | 0.0641 | 0.142    |      | mg/Kg-dry | 1  | 04/21/08 10:21 PM |
| 2,4-Dinitrophenol          | ND     | 0.0535 | 0.706    |      | mg/Kg-dry | 1  | 04/21/08 10:21 PM |
| 2,6-Dichlorophenol         | ND     | 0.0641 | 0.142    |      | mg/Kg-dry | 1  | 04/21/08 10:21 PM |
| 2-Methylnaphthalene        | ND     | 0.0214 | 0.142    |      | mg/Kg-dry | 1  | 04/21/08 10:21 PM |
| 2-Methylphenol             | ND     | 0.0748 | 0.142    |      | mg/Kg-dry | 1  | 04/21/08 10:21 PM |
| 2-Nitrophenol              | ND     | 0.0748 | 0.142    |      | mg/Kg-dry | 1  | 04/21/08 10:21 PM |
| 4,6-Dinitro-2-methylphenol | ND     | 0.0855 | 0.353    |      | mg/Kg-dry | 1  | 04/21/08 10:21 PM |
| 4-Chloro-3-methylphenol    | ND     | 0.0641 | 0.142    |      | mg/Kg-dry | 1  | 04/21/08 10:21 PM |
| 4-Methylphenol             | ND     | 0.107  | 0.142    |      | mg/Kg-dry | 1  | 04/21/08 10:21 PM |
| 4-Nitrophenol              | ND     | 0.150  | 0.706    |      | mg/Kg-dry | 1  | 04/21/08 10:21 PM |
| Pentachlorophenol          | ND     | 0.0962 | 0.142    |      | mg/Kg-dry | 1  | 04/21/08 10:21 PM |
| Phenol                     | ND     | 0.0641 | 0.142    |      | mg/Kg-dry | 1  | 04/21/08 10:21 PM |
| Surr: 2,4,6-Tribromophenol | 83.3   | 0      | 45 - 138 |      | %REC      | 1  | 04/21/08 10:21 PM |
| Surr: 2-Fluorobiphenyl     | 65.7   | 0      | 60 - 135 |      | %REC      | 1  | 04/21/08 10:21 PM |
| Surr: 2-Fluorophenol       | 65.4   | 0      | 37 - 125 |      | %REC      | 1  | 04/21/08 10:21 PM |
| Surr: 4-Terphenyl-d14      | 69.9   | 0      | 60 - 129 |      | %REC      | 1  | 04/21/08 10:21 PM |
| Surr: Nitrobenzene-d5      | 63.4   | 0      | 45 - 125 |      | %REC      | 1  | 04/21/08 10:21 PM |
| Surr: Phenol-d6            | 68.9   | 0      | 40 - 125 |      | %REC      | 1  | 04/21/08 10:21 PM |

## PAHs: GC/MS

SW8270C

Analyst: DO

|                        |      |         |          |  |           |   |                   |
|------------------------|------|---------|----------|--|-----------|---|-------------------|
| Acenaphthene           | ND   | 0.0143  | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Acenaphthylene         | ND   | 0.00713 | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Anthracene             | ND   | 0.00713 | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Benzo[a]anthracene     | ND   | 0.0143  | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Benzo[a]pyrene         | ND   | 0.0214  | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Benzo[b]fluoranthene   | ND   | 0.0143  | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Benzo[g,h,i]perylene   | ND   | 0.0143  | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Benzo[k]fluoranthene   | ND   | 0.0214  | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Chrysene               | ND   | 0.0143  | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Dibenz[a,h]anthracene  | ND   | 0.0143  | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Fluoranthene           | ND   | 0.00713 | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Fluorene               | ND   | 0.00713 | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Indeno[1,2,3-cd]pyrene | ND   | 0.00713 | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Naphthalene            | ND   | 0.00713 | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Phenanthrene           | ND   | 0.00713 | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Pyrene                 | ND   | 0.0143  | 0.0356   |  | mg/Kg-dry | 1 | 04/23/08 09:51 PM |
| Surr: 2-Fluorobiphenyl | 88.9 | 0       | 40 - 140 |  | %REC      | 1 | 04/23/08 09:51 PM |
| Surr: 4-Terphenyl-d14  | 95.9 | 0       | 40 - 140 |  | %REC      | 1 | 04/23/08 09:51 PM |
| Surr: Nitrobenzene-d5  | 89.1 | 0       | 40 - 140 |  | %REC      | 1 | 04/23/08 09:51 PM |

## Volatiles by GC/MS

SW8260B

Analyst: KW

|                           |    |          |         |  |           |   |                   |
|---------------------------|----|----------|---------|--|-----------|---|-------------------|
| 1,1,1-Trichloroethane     | ND | 0.000992 | 0.00496 |  | mg/Kg-dry | 1 | 04/21/08 04:04 PM |
| 1,1,2,2-Tetrachloroethane | ND | 0.000992 | 0.00496 |  | mg/Kg-dry | 1 | 04/21/08 04:04 PM |
| 1,1,2-Trichloroethane     | ND | 0.000992 | 0.00496 |  | mg/Kg-dry | 1 | 04/21/08 04:04 PM |
| 1,1-Dichloroethane        | ND | 0.000992 | 0.00496 |  | mg/Kg-dry | 1 | 04/21/08 04:04 PM |
| 1,1-Dichloroethene        | ND | 0.000992 | 0.00496 |  | mg/Kg-dry | 1 | 04/21/08 04:04 PM |

|             |     |                                                     |     |                                            |
|-------------|-----|-----------------------------------------------------|-----|--------------------------------------------|
| Qualifiers: | * * | Value exceeds TCLP Maximum Concentration Level      | J   | Analyte detected between MDL and RL        |
|             | B   | Analyte detected in the associated Method Blank     | MDL | Method Detection Limit                     |
|             | C   | Sample Result or QC discussed in the Case Narrative | N   | Parameter not NELAC certified              |
|             | DF  | Dilution Factor                                     | ND  | Not Detected at the Method Detection Limit |
|             | E   | TPH pattern not Gas or Diesel Range Pattern         | RL  | Reporting Limit                            |
|             |     |                                                     | S   | Spike Recovery outside control limits      |

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 2A(3-4)  
 Lab ID: 0804184-05  
 Collection Date: 04/16/08 10:00 AM  
 Matrix: Soil

| Analyses                          | Result | MDL            | RL       | Qual | Units     | DF | Date Analyzed       |
|-----------------------------------|--------|----------------|----------|------|-----------|----|---------------------|
| 1,2-Dibromoethane                 | ND     | 0.000992       | 0.00496  |      | mg/Kg-dry | 1  | 04/21/08 04:04 PM   |
| 1,2-Dichloroethane                | ND     | 0.000992       | 0.00496  |      | mg/Kg-dry | 1  | 04/21/08 04:04 PM   |
| Benzene                           | ND     | 0.000992       | 0.00496  |      | mg/Kg-dry | 1  | 04/21/08 04:04 PM   |
| Carbon tetrachloride              | ND     | 0.000992       | 0.00496  |      | mg/Kg-dry | 1  | 04/21/08 04:04 PM   |
| Chloroform                        | ND     | 0.000992       | 0.00496  |      | mg/Kg-dry | 1  | 04/21/08 04:04 PM   |
| Ethylbenzene                      | ND     | 0.000992       | 0.00496  |      | mg/Kg-dry | 1  | 04/21/08 04:04 PM   |
| Methylene chloride                | ND     | 0.00496        | 0.00496  |      | mg/Kg-dry | 1  | 04/21/08 04:04 PM   |
| Tetrachloroethene                 | ND     | 0.000992       | 0.00496  |      | mg/Kg-dry | 1  | 04/21/08 04:04 PM   |
| Toluene                           | ND     | 0.000992       | 0.00496  |      | mg/Kg-dry | 1  | 04/21/08 04:04 PM   |
| Total Xylenes                     | ND     | 0.000992       | 0.00496  |      | mg/Kg-dry | 1  | 04/21/08 04:04 PM   |
| Trichloroethene                   | ND     | 0.000992       | 0.00496  |      | mg/Kg-dry | 1  | 04/21/08 04:04 PM   |
| Vinyl chloride                    | ND     | 0.000992       | 0.00496  |      | mg/Kg-dry | 1  | 04/21/08 04:04 PM   |
| Surr: 1,2-Dichloroethane-d4       | 100    | 0              | 78 - 125 |      | %REC      | 1  | 04/21/08 04:04 PM   |
| Surr: 4-Bromofluorobenzene        | 107    | 0              | 82 - 125 |      | %REC      | 1  | 04/21/08 04:04 PM   |
| Surr: Dibromofluoromethane        | 101    | 0              | 84 - 116 |      | %REC      | 1  | 04/21/08 04:04 PM   |
| Surr: Toluene-d8                  | 103    | 0              | 84 - 118 |      | %REC      | 1  | 04/21/08 04:04 PM   |
| <b>Anions by IC method - Soil</b> |        | <b>SW9056</b>  |          |      |           |    | <b>Analyst: JBC</b> |
| Chloride                          | 31.9   | 5.55           | 5.55     |      | mg/Kg-dry | 1  | 04/23/08 10:39 AM   |
| Fluoride                          | 4.20   | 1.11           | 1.11     |      | mg/Kg-dry | 1  | 04/23/08 10:39 AM   |
| Nitrate-N                         | ND     | 5.55           | 5.55     |      | mg/Kg-dry | 1  | 04/23/08 10:39 AM   |
| Sulfate                           | 72.8   | 11.1           | 11.1     |      | mg/Kg-dry | 1  | 04/23/08 10:39 AM   |
| <b>Cyanide - Solid Sample</b>     |        | <b>SW9014</b>  |          |      |           |    | <b>Analyst: AD</b>  |
| Cyanide, Total                    | ND     | 0.175          | 0.438    |      | mg/Kg-dry | 1  | 04/25/08 03:13 PM   |
| <b>pH of Solid (Corrosivity)</b>  |        | <b>SW9045C</b> |          |      |           |    | <b>Analyst: JBC</b> |
| pH                                | 8.30   | 0              | 0        |      | pH Units  | 1  | 04/22/08 01:45 PM   |
| <b>Percent Moisture</b>           |        | <b>D2216</b>   |          |      |           |    | <b>Analyst: RP</b>  |
| Percent Moisture                  | 10.5   | 0              | 0        | N    | WT%       | 1  | 04/24/08 05:23 PM   |

|             |    |                                                     |     |                                            |
|-------------|----|-----------------------------------------------------|-----|--------------------------------------------|
| Qualifiers: | *  | Value exceeds TCLP Maximum Concentration Level      | J   | Analyte detected between MDL and RL        |
|             | B  | Analyte detected in the associated Method Blank     | MDL | Method Detection Limit                     |
|             | C  | Sample Result or QC discussed in the Case Narrative | N   | Parameter not NELAC certified              |
|             | DF | Dilution Factor                                     | ND  | Not Detected at the Method Detection Limit |
|             | E  | TPH pattern not Gas or Diesel Range Pattern         | RL  | Reporting Limit                            |
|             |    |                                                     | S   | Spike Recovery outside control limits      |

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 2B(3-4)  
 Lab ID: 0804184-06  
 Collection Date: 04/16/08 12:00 PM  
 Matrix: Soil

| Analyses                             | Result | MDL            | RL       | Qual | Units     | DF | Date Analyzed       |
|--------------------------------------|--------|----------------|----------|------|-----------|----|---------------------|
| <b>PCB by GC - Soil/Solid</b>        |        | <b>SW8082</b>  |          |      |           |    | <b>Analyst: CZ</b>  |
| Aroclor 1016                         | ND     | 0.0513         | 0.103    |      | mg/Kg-dry | 1  | 04/22/08 08:05 PM   |
| Aroclor 1221                         | ND     | 0.0513         | 0.103    |      | mg/Kg-dry | 1  | 04/22/08 08:05 PM   |
| Aroclor 1232                         | ND     | 0.0513         | 0.103    |      | mg/Kg-dry | 1  | 04/22/08 08:05 PM   |
| Aroclor 1242                         | ND     | 0.0513         | 0.103    |      | mg/Kg-dry | 1  | 04/22/08 08:05 PM   |
| Aroclor 1248                         | ND     | 0.0513         | 0.103    |      | mg/Kg-dry | 1  | 04/22/08 08:05 PM   |
| Aroclor 1254                         | ND     | 0.0513         | 0.103    |      | mg/Kg-dry | 1  | 04/22/08 08:05 PM   |
| Aroclor 1260                         | ND     | 0.0513         | 0.103    |      | mg/Kg-dry | 1  | 04/22/08 08:05 PM   |
| Surr: Decachlorobiphenyl             | 73.7   | 0              | 40 - 130 |      | %REC      | 1  | 04/22/08 08:05 PM   |
| Surr: Tetrachloro-m-xylene           | 74.5   | 0              | 40 - 130 |      | %REC      | 1  | 04/22/08 08:05 PM   |
| <b>TPH Extractable by GC - Soil</b>  |        | <b>M8015D</b>  |          |      |           |    | <b>Analyst: CZ</b>  |
| TPH-DRO C10-C28                      | ND     | 2.94           | 9.80     |      | mg/Kg-dry | 1  | 04/22/08 10:39 AM   |
| Surr: o-Terphenyl                    | 74.4   | 0              | 47 - 142 |      | %REC      | 1  | 04/22/08 10:39 AM   |
| Surr: Octacosane                     | 87.1   | 0              | 25 - 162 |      | %REC      | 1  | 04/22/08 10:39 AM   |
| <b>Modified 8015 Gasoline (GRO)</b>  |        | <b>M8015V</b>  |          |      |           |    | <b>Analyst: JAW</b> |
| Gasoline Range Organics              | ND     | 0.0620         | 0.207    |      | mg/Kg-dry | 1  | 04/25/08 03:41 PM   |
| Surr: Tetrachlorethene               | 116    | 0              | 70 - 134 |      | %REC      | 1  | 04/25/08 03:41 PM   |
| <b>Total Mercury: Soil/Solid</b>     |        | <b>SW7471A</b> |          |      |           |    | <b>Analyst: JCG</b> |
| Mercury                              | ND     | 0.0158         | 0.0395   |      | mg/Kg-dry | 1  | 04/21/08 03:42 PM   |
| <b>Trace Metals: ICP-MS - Solid</b>  |        | <b>SW6020</b>  |          |      |           |    | <b>Analyst: AJR</b> |
| Aluminum                             | 1580   | 11.9           | 11.9     |      | mg/Kg-dry | 5  | 04/21/08 09:32 PM   |
| Arsenic                              | 4.27   | 0.475          | 0.950    |      | mg/Kg-dry | 5  | 04/21/08 09:32 PM   |
| Barium                               | 767    | 2.38           | 9.50     |      | mg/Kg-dry | 25 | 04/22/08 03:04 PM   |
| Boron                                | 3.07   | 2.38           | 7.13     | J    | mg/Kg-dry | 5  | 04/22/08 05:00 PM   |
| Cadmium                              | ND     | 0.0950         | 0.285    |      | mg/Kg-dry | 5  | 04/21/08 09:32 PM   |
| Chromium                             | 2.58   | 0.475          | 1.90     |      | mg/Kg-dry | 5  | 04/21/08 09:32 PM   |
| Cobalt                               | 1.28   | 0.475          | 1.90     | J    | mg/Kg-dry | 5  | 04/21/08 09:32 PM   |
| Copper                               | 6.08   | 0.475          | 1.90     |      | mg/Kg-dry | 5  | 04/21/08 09:32 PM   |
| Iron                                 | 1370   | 11.9           | 11.9     |      | mg/Kg-dry | 5  | 04/21/08 09:32 PM   |
| Lead                                 | 1.03   | 0.0950         | 0.285    |      | mg/Kg-dry | 5  | 04/21/08 09:32 PM   |
| Manganese                            | 20.4   | 0.475          | 1.90     |      | mg/Kg-dry | 5  | 04/21/08 09:32 PM   |
| Molybdenum                           | ND     | 0.475          | 1.90     |      | mg/Kg-dry | 5  | 04/21/08 09:32 PM   |
| Nickel                               | 7.37   | 0.475          | 1.90     |      | mg/Kg-dry | 5  | 04/21/08 09:32 PM   |
| Selenium                             | 0.241  | 0.143          | 0.475    | J    | mg/Kg-dry | 5  | 04/21/08 09:32 PM   |
| Silver                               | ND     | 0.0950         | 0.190    |      | mg/Kg-dry | 5  | 04/21/08 09:32 PM   |
| Zinc                                 | 5.14   | 0.950          | 2.38     |      | mg/Kg-dry | 5  | 04/21/08 09:32 PM   |
| <b>Uranium in Soil by ICPMS</b>      |        | <b>SW6020</b>  |          |      |           |    | <b>Analyst: AJR</b> |
| Uranium                              | ND     | 0.950          | 2.38     | N    | mg/Kg-dry | 5  | 04/22/08 01:02 PM   |
| <b>Semivolatiles by GC/MS - Soil</b> |        | <b>SW8270C</b> |          |      |           |    | <b>Analyst: DO</b>  |
| 1-Methylnaphthalene                  | ND     | 0.0517         | 0.138    | N    | mg/Kg-dry | 1  | 04/21/08 10:43 PM   |
| 2,3,4,6-Tetrachlorophenol            | ND     | 0.0414         | 0.138    | N    | mg/Kg-dry | 1  | 04/21/08 10:43 PM   |
| 2,4,5-Trichlorophenol                | ND     | 0.0724         | 0.138    |      | mg/Kg-dry | 1  | 04/21/08 10:43 PM   |
| 2,4,6-Trichlorophenol                | ND     | 0.0620         | 0.138    |      | mg/Kg-dry | 1  | 04/21/08 10:43 PM   |
| 2,4-Dichlorophenol                   | ND     | 0.0827         | 0.138    |      | mg/Kg-dry | 1  | 04/21/08 10:43 PM   |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 2B(3-4)  
 Lab ID: 0804184-06  
 Collection Date: 04/16/08 12:00 PM  
 Matrix: Soil

| Analyses                       | Result | MDL            | RL       | Qual              | Units     | DF | Date Analyzed     |
|--------------------------------|--------|----------------|----------|-------------------|-----------|----|-------------------|
| 2,4-Dimethylphenol             | ND     | 0.0620         | 0.138    |                   | mg/Kg-dry | 1  | 04/21/08 10:43 PM |
| 2,4-Dinitrophenol              | ND     | 0.0517         | 0.682    |                   | mg/Kg-dry | 1  | 04/21/08 10:43 PM |
| 2,6-Dichlorophenol             | ND     | 0.0620         | 0.138    |                   | mg/Kg-dry | 1  | 04/21/08 10:43 PM |
| 2-Methylnaphthalene            | ND     | 0.0207         | 0.138    |                   | mg/Kg-dry | 1  | 04/21/08 10:43 PM |
| 2-Methylphenol                 | ND     | 0.0724         | 0.138    |                   | mg/Kg-dry | 1  | 04/21/08 10:43 PM |
| 2-Nitrophenol                  | ND     | 0.0724         | 0.138    |                   | mg/Kg-dry | 1  | 04/21/08 10:43 PM |
| 4,6-Dinitro-2-methylphenol     | ND     | 0.0827         | 0.341    |                   | mg/Kg-dry | 1  | 04/21/08 10:43 PM |
| 4-Chloro-3-methylphenol        | ND     | 0.0620         | 0.138    |                   | mg/Kg-dry | 1  | 04/21/08 10:43 PM |
| 4-Methylphenol                 | ND     | 0.103          | 0.138    |                   | mg/Kg-dry | 1  | 04/21/08 10:43 PM |
| 4-Nitrophenol                  | ND     | 0.145          | 0.682    |                   | mg/Kg-dry | 1  | 04/21/08 10:43 PM |
| Pentachlorophenol              | ND     | 0.0931         | 0.138    |                   | mg/Kg-dry | 1  | 04/21/08 10:43 PM |
| Phenol                         | ND     | 0.0620         | 0.138    |                   | mg/Kg-dry | 1  | 04/21/08 10:43 PM |
| Surr: 2,4,6-Tribromophenol     | 107    | 0              | 45 - 138 |                   | %REC      | 1  | 04/21/08 10:43 PM |
| Surr: 2-Fluorobiphenyl         | 90.5   | 0              | 60 - 135 |                   | %REC      | 1  | 04/21/08 10:43 PM |
| Surr: 2-Fluorophenol           | 90.5   | 0              | 37 - 125 |                   | %REC      | 1  | 04/21/08 10:43 PM |
| Surr: 4-Terphenyl-d14          | 102    | 0              | 60 - 129 |                   | %REC      | 1  | 04/21/08 10:43 PM |
| Surr: Nitrobenzene-d5          | 83.1   | 0              | 45 - 125 |                   | %REC      | 1  | 04/21/08 10:43 PM |
| Surr: Phenol-d6                | 97.0   | 0              | 40 - 125 |                   | %REC      | 1  | 04/21/08 10:43 PM |
| <b>PAHs: GC/MS<sup>1</sup></b> |        | <b>SW8270C</b> |          | <b>Analyt: DO</b> |           |    |                   |
| Acenaphthene                   | ND     | 0.0138         | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Acenaphthylene                 | ND     | 0.00689        | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Anthracene                     | ND     | 0.00689        | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Benzo[a]anthracene             | ND     | 0.0138         | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Benzo[a]pyrene                 | ND     | 0.0207         | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Benzo[b]fluoranthene           | ND     | 0.0138         | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Benzo[g,h,i]perylene           | ND     | 0.0138         | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Benzo[k]fluoranthene           | ND     | 0.0207         | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Chrysene                       | ND     | 0.0138         | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Dibenz[a,h]anthracene          | ND     | 0.0138         | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Fluoranthene                   | ND     | 0.00689        | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Fluorene                       | ND     | 0.00689        | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Indeno[1,2,3-cd]pyrene         | ND     | 0.00689        | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Naphthalene                    | ND     | 0.00689        | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Phenanthrene                   | ND     | 0.00689        | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Pyrene                         | ND     | 0.0138         | 0.0345   |                   | mg/Kg-dry | 1  | 04/23/08 10:29 PM |
| Surr: 2-Fluorobiphenyl         | 100    | 0              | 40 - 140 |                   | %REC      | 1  | 04/23/08 10:29 PM |
| Surr: 4-Terphenyl-d14          | 112    | 0              | 40 - 140 |                   | %REC      | 1  | 04/23/08 10:29 PM |
| Surr: Nitrobenzene-d5          | 98.5   | 0              | 40 - 140 |                   | %REC      | 1  | 04/23/08 10:29 PM |
| <b>Volatiles by GC/MS</b>      |        | <b>SW8260B</b> |          | <b>Analyt: KW</b> |           |    |                   |
| 1,1,1-Trichloroethane          | ND     | 0.000982       | 0.00491  |                   | mg/Kg-dry | 1  | 04/21/08 04:36 PM |
| 1,1,2,2-Tetrachloroethane      | ND     | 0.000982       | 0.00491  |                   | mg/Kg-dry | 1  | 04/21/08 04:36 PM |
| 1,1,2-Trichloroethane          | ND     | 0.000982       | 0.00491  |                   | mg/Kg-dry | 1  | 04/21/08 04:36 PM |
| 1,1-Dichloroethane             | ND     | 0.000982       | 0.00491  |                   | mg/Kg-dry | 1  | 04/21/08 04:36 PM |
| 1,1-Dichloroethene             | ND     | 0.000982       | 0.00491  |                   | mg/Kg-dry | 1  | 04/21/08 04:36 PM |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 2B(3-4)  
 Lab ID: 0804184-06  
 Collection Date: 04/16/08 12:00 PM  
 Matrix: Soil

| Analyses                          | Result | MDL            | RL       | Qual | Units     | DF | Date Analyzed       |
|-----------------------------------|--------|----------------|----------|------|-----------|----|---------------------|
| 1,2-Dibromoethane                 | ND     | 0.000982       | 0.00491  |      | mg/Kg-dry | 1  | 04/21/08 04:36 PM   |
| 1,2-Dichloroethane                | ND     | 0.000982       | 0.00491  |      | mg/Kg-dry | 1  | 04/21/08 04:36 PM   |
| Benzene                           | ND     | 0.000982       | 0.00491  |      | mg/Kg-dry | 1  | 04/21/08 04:36 PM   |
| Carbon tetrachloride              | ND     | 0.000982       | 0.00491  |      | mg/Kg-dry | 1  | 04/21/08 04:36 PM   |
| Chloroform                        | ND     | 0.000982       | 0.00491  |      | mg/Kg-dry | 1  | 04/21/08 04:36 PM   |
| Ethylbenzene                      | ND     | 0.000982       | 0.00491  |      | mg/Kg-dry | 1  | 04/21/08 04:36 PM   |
| Methylene chloride                | ND     | 0.00491        | 0.00491  |      | mg/Kg-dry | 1  | 04/21/08 04:36 PM   |
| Tetrachloroethene                 | ND     | 0.000982       | 0.00491  |      | mg/Kg-dry | 1  | 04/21/08 04:36 PM   |
| Toluene                           | ND     | 0.000982       | 0.00491  |      | mg/Kg-dry | 1  | 04/21/08 04:36 PM   |
| Total Xylenes                     | ND     | 0.000982       | 0.00491  |      | mg/Kg-dry | 1  | 04/21/08 04:36 PM   |
| Trichloroethene                   | ND     | 0.000982       | 0.00491  |      | mg/Kg-dry | 1  | 04/21/08 04:36 PM   |
| Vinyl chloride                    | ND     | 0.000982       | 0.00491  |      | mg/Kg-dry | 1  | 04/21/08 04:36 PM   |
| Surr: 1,2-Dichloroethane-d4       | 104    | 0              | 78 - 125 |      | %REC      | 1  | 04/21/08 04:36 PM   |
| Surr: 4-Bromofluorobenzene        | 104    | 0              | 82 - 125 |      | %REC      | 1  | 04/21/08 04:36 PM   |
| Surr: Dibromofluoromethane        | 102    | 0              | 84 - 116 |      | %REC      | 1  | 04/21/08 04:36 PM   |
| Surr: Toluene-d8                  | 101    | 0              | 84 - 118 |      | %REC      | 1  | 04/21/08 04:36 PM   |
| <b>Anions by IC method - Soil</b> |        | <b>SW9056</b>  |          |      |           |    | <b>Analyst: JBC</b> |
| Chloride                          | ND     | 5.26           | 5.26     |      | mg/Kg-dry | 1  | 04/23/08 10:55 AM   |
| Fluoride                          | 3.18   | 1.05           | 1.05     |      | mg/Kg-dry | 1  | 04/23/08 10:55 AM   |
| Nitrate-N                         | ND     | 5.26           | 5.26     |      | mg/Kg-dry | 1  | 04/23/08 10:55 AM   |
| Sulfate                           | 48.8   | 10.5           | 10.5     |      | mg/Kg-dry | 1  | 04/23/08 10:55 AM   |
| <b>Cyanide - Solid Sample</b>     |        | <b>SW9014</b>  |          |      |           |    | <b>Analyst: AD</b>  |
| Cyanide, Total                    | ND     | 0.194          | 0.484    |      | mg/Kg-dry | 1  | 04/25/08 03:13 PM   |
| <b>pH of Solid (Corrosivity)</b>  |        | <b>SW9045C</b> |          |      |           |    | <b>Analyst: JBC</b> |
| pH                                | 8.24   | 0              | 0        |      | pH Units  | 1  | 04/22/08 01:45 PM   |
| <b>Percent Moisture</b>           |        | <b>D2216</b>   |          |      |           |    | <b>Analyst: RP</b>  |
| Percent Moisture                  | 5.18   | 0              | 0        | N    | WT%       | 1  | 04/24/08 05:23 PM   |

|             |    |                                                     |     |                                            |
|-------------|----|-----------------------------------------------------|-----|--------------------------------------------|
| Qualifiers: | *  | Value exceeds TCLP Maximum Concentration Level      | J   | Analyte detected between MDL and RL        |
|             | B  | Analyte detected in the associated Method Blank     | MDL | Method Detection Limit                     |
|             | C  | Sample Result or QC discussed in the Case Narrative | N   | Parameter not NELAC certified              |
|             | DF | Dilution Factor                                     | ND  | Not Detected at the Method Detection Limit |
|             | E  | TPH pattern not Gas or Diesel Range Pattern         | RL  | Reporting Limit                            |
|             |    |                                                     | S   | Spike Recovery outside control limits      |

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 2C(3-4)  
 Lab ID: 0804184-07  
 Collection Date: 04/16/08 11:30 AM  
 Matrix: Soil

| Analyses                             | Result | MDL            | RL       | Qual | Units     | DF | Date Analyzed       |
|--------------------------------------|--------|----------------|----------|------|-----------|----|---------------------|
| <b>PCB by GC - Soil/Solid</b>        |        | <b>SW8082</b>  |          |      |           |    | <b>Analyst: CZ</b>  |
| Aroclor 1016                         | ND     | 0.0522         | 0.104    |      | mg/Kg-dry | 1  | 04/22/08 08:27 PM   |
| Aroclor 1221                         | ND     | 0.0522         | 0.104    |      | mg/Kg-dry | 1  | 04/22/08 08:27 PM   |
| Aroclor 1232                         | ND     | 0.0522         | 0.104    |      | mg/Kg-dry | 1  | 04/22/08 08:27 PM   |
| Aroclor 1242                         | ND     | 0.0522         | 0.104    |      | mg/Kg-dry | 1  | 04/22/08 08:27 PM   |
| Aroclor 1248                         | ND     | 0.0522         | 0.104    |      | mg/Kg-dry | 1  | 04/22/08 08:27 PM   |
| Aroclor 1254                         | ND     | 0.0522         | 0.104    |      | mg/Kg-dry | 1  | 04/22/08 08:27 PM   |
| Aroclor 1260                         | ND     | 0.0522         | 0.104    |      | mg/Kg-dry | 1  | 04/22/08 08:27 PM   |
| Surr: Decachlorobiphenyl             | 69.3   | 0              | 40 - 130 |      | %REC      | 1  | 04/22/08 08:27 PM   |
| Surr: Tetrachloro-m-xylene           | 68.4   | 0              | 40 - 130 |      | %REC      | 1  | 04/22/08 08:27 PM   |
| <b>TPH Extractable by GC - Soil</b>  |        | <b>M8015D</b>  |          |      |           |    | <b>Analyst: CZ</b>  |
| TPH-DRO C10-C28                      | ND     | 3.10           | 10.3     |      | mg/Kg-dry | 1  | 04/22/08 10:25 AM   |
| Surr: o-Terphenyl                    | 67.0   | 0              | 47 - 142 |      | %REC      | 1  | 04/22/08 10:25 AM   |
| Surr: Octacosane                     | 70.3   | 0              | 25 - 162 |      | %REC      | 1  | 04/22/08 10:25 AM   |
| <b>Modified 8015 Gasoline (GRO)</b>  |        | <b>M8015V</b>  |          |      |           |    | <b>Analyst: JAW</b> |
| Gasoline Range Organics              | ND     | 0.0628         | 0.209    |      | mg/Kg-dry | 1  | 04/25/08 02:31 PM   |
| Surr: Tetrachlorethene               | 116    | 0              | 70 - 134 |      | %REC      | 1  | 04/25/08 02:31 PM   |
| <b>Total Mercury: Soil/Solid</b>     |        | <b>SW7471A</b> |          |      |           |    | <b>Analyst: JCG</b> |
| Mercury                              | ND     | 0.0163         | 0.0407   |      | mg/Kg-dry | 1  | 04/21/08 03:44 PM   |
| <b>Trace Metals: ICP-MS - Solid</b>  |        | <b>SW6020</b>  |          |      |           |    | <b>Analyst: AJR</b> |
| Aluminum                             | 1300   | 11.7           | 11.7     |      | mg/Kg-dry | 5  | 04/21/08 09:36 PM   |
| Arsenic                              | 5.29   | 0.467          | 0.934    |      | mg/Kg-dry | 5  | 04/21/08 09:36 PM   |
| Barium                               | 1150   | 2.34           | 9.34     |      | mg/Kg-dry | 25 | 04/22/08 03:14 PM   |
| Boron                                | 2.72   | 2.34           | 7.01     | J    | mg/Kg-dry | 5  | 04/22/08 05:04 PM   |
| Cadmium                              | ND     | 0.0934         | 0.280    |      | mg/Kg-dry | 5  | 04/21/08 09:36 PM   |
| Chromium                             | 1.65   | 0.467          | 1.87     | J    | mg/Kg-dry | 5  | 04/21/08 09:36 PM   |
| Cobalt                               | 2.52   | 0.467          | 1.87     |      | mg/Kg-dry | 5  | 04/21/08 09:36 PM   |
| Copper                               | 15.1   | 0.467          | 1.87     |      | mg/Kg-dry | 5  | 04/21/08 09:36 PM   |
| Iron                                 | 1030   | 11.7           | 11.7     |      | mg/Kg-dry | 5  | 04/21/08 09:36 PM   |
| Lead                                 | 0.731  | 0.0934         | 0.280    |      | mg/Kg-dry | 5  | 04/21/08 09:36 PM   |
| Manganese                            | 19.4   | 0.467          | 1.87     |      | mg/Kg-dry | 5  | 04/21/08 09:36 PM   |
| Molybdenum                           | ND     | 0.467          | 1.87     |      | mg/Kg-dry | 5  | 04/21/08 09:36 PM   |
| Nickel                               | 11.1   | 0.467          | 1.87     |      | mg/Kg-dry | 5  | 04/21/08 09:36 PM   |
| Selenium                             | 0.267  | 0.140          | 0.467    | J    | mg/Kg-dry | 5  | 04/21/08 09:36 PM   |
| Silver                               | ND     | 0.0934         | 0.187    |      | mg/Kg-dry | 5  | 04/21/08 09:36 PM   |
| Zinc                                 | 9.18   | 0.934          | 2.34     |      | mg/Kg-dry | 5  | 04/21/08 09:36 PM   |
| <b>Uranium in Soil by ICPMS</b>      |        | <b>SW6020</b>  |          |      |           |    | <b>Analyst: AJR</b> |
| Uranium                              | ND     | 0.934          | 2.34     | N    | mg/Kg-dry | 5  | 04/22/08 01:04 PM   |
| <b>Semivolatiles by GC/MS - Soil</b> |        | <b>SW8270C</b> |          |      |           |    | <b>Analyst: DO</b>  |
| 1-Methylnaphthalene                  | ND     | 0.0515         | 0.137    | N    | mg/Kg-dry | 1  | 04/21/08 11:05 PM   |
| 2,3,4,6-Tetrachlorophenol            | ND     | 0.0412         | 0.137    | N    | mg/Kg-dry | 1  | 04/21/08 11:05 PM   |
| 2,4,5-Trichlorophenol                | ND     | 0.0721         | 0.137    |      | mg/Kg-dry | 1  | 04/21/08 11:05 PM   |
| 2,4,6-Trichlorophenol                | ND     | 0.0618         | 0.137    |      | mg/Kg-dry | 1  | 04/21/08 11:05 PM   |
| 2,4-Dichlorophenol                   | ND     | 0.0824         | 0.137    |      | mg/Kg-dry | 1  | 04/21/08 11:05 PM   |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 2C(3-4)  
 Lab ID: 0804184-07  
 Collection Date: 04/16/08 11:30 AM  
 Matrix: Soil

| Analyses                   | Result | MDL            | RL       | Qual               | Units     | DF | Date Analyzed     |
|----------------------------|--------|----------------|----------|--------------------|-----------|----|-------------------|
| 2,4-Dimethylphenol         | ND     | 0.0618         | 0.137    |                    | mg/Kg-dry | 1  | 04/21/08 11:05 PM |
| 2,4-Dinitrophenol          | ND     | 0.0515         | 0.679    |                    | mg/Kg-dry | 1  | 04/21/08 11:05 PM |
| 2,6-Dichlorophenol         | ND     | 0.0618         | 0.137    |                    | mg/Kg-dry | 1  | 04/21/08 11:05 PM |
| 2-Methylnaphthalene        | ND     | 0.0206         | 0.137    |                    | mg/Kg-dry | 1  | 04/21/08 11:05 PM |
| 2-Methylphenol             | ND     | 0.0721         | 0.137    |                    | mg/Kg-dry | 1  | 04/21/08 11:05 PM |
| 2-Nitrophenol              | ND     | 0.0721         | 0.137    |                    | mg/Kg-dry | 1  | 04/21/08 11:05 PM |
| 4,6-Dinitro-2-methylphenol | ND     | 0.0824         | 0.340    |                    | mg/Kg-dry | 1  | 04/21/08 11:05 PM |
| 4-Chloro-3-methylphenol    | ND     | 0.0618         | 0.137    |                    | mg/Kg-dry | 1  | 04/21/08 11:05 PM |
| 4-Methylphenol             | ND     | 0.103          | 0.137    |                    | mg/Kg-dry | 1  | 04/21/08 11:05 PM |
| 4-Nitrophenol              | ND     | 0.144          | 0.679    |                    | mg/Kg-dry | 1  | 04/21/08 11:05 PM |
| Pentachlorophenol          | ND     | 0.0927         | 0.137    |                    | mg/Kg-dry | 1  | 04/21/08 11:05 PM |
| Phenol                     | ND     | 0.0618         | 0.137    |                    | mg/Kg-dry | 1  | 04/21/08 11:05 PM |
| Surr: 2,4,6-Tribromophenol | 88.6   | 0              | 45 - 138 |                    | %REC      | 1  | 04/21/08 11:05 PM |
| Surr: 2-Fluorobiphenyl     | 70.4   | 0              | 60 - 135 |                    | %REC      | 1  | 04/21/08 11:05 PM |
| Surr: 2-Fluorophenol       | 69.7   | 0              | 37 - 125 |                    | %REC      | 1  | 04/21/08 11:05 PM |
| Surr: 4-Terphenyl-d14      | 78.6   | 0              | 60 - 129 |                    | %REC      | 1  | 04/21/08 11:05 PM |
| Surr: Nitrobenzene-d5      | 66.2   | 0              | 45 - 125 |                    | %REC      | 1  | 04/21/08 11:05 PM |
| Surr: Phenol-d6            | 73.1   | 0              | 40 - 125 |                    | %REC      | 1  | 04/21/08 11:05 PM |
| <b>PAHs: GC/MS</b>         |        | <b>SW8270C</b> |          | <b>Analyst: DO</b> |           |    |                   |
| Acenaphthene               | ND     | 0.0137         | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Acenaphthylene             | ND     | 0.00686        | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Anthracene                 | ND     | 0.00686        | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Benzo[a]anthracene         | ND     | 0.0137         | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Benzo[a]pyrene             | ND     | 0.0206         | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Benzo[b]fluoranthene       | ND     | 0.0137         | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Benzo[g,h,i]perylene       | ND     | 0.0137         | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Benzo[k]fluoranthene       | ND     | 0.0206         | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Chrysene                   | ND     | 0.0137         | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Dibenz[a,h]anthracene      | ND     | 0.0137         | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Fluoranthene               | ND     | 0.00686        | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Fluorene                   | ND     | 0.00686        | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Indeno[1,2,3-cd]pyrene     | ND     | 0.00686        | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Naphthalene                | ND     | 0.00686        | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Phenanthrene               | ND     | 0.00686        | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Pyrene                     | ND     | 0.0137         | 0.0343   |                    | mg/Kg-dry | 1  | 04/23/08 11:07 PM |
| Surr: 2-Fluorobiphenyl     | 86.0   | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 11:07 PM |
| Surr: 4-Terphenyl-d14      | 97.2   | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 11:07 PM |
| Surr: Nitrobenzene-d5      | 86.4   | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 11:07 PM |
| <b>Volatiles by GC/MS</b>  |        | <b>SW8260B</b> |          | <b>Analyst: KW</b> |           |    |                   |
| 1,1,1-Trichloroethane      | ND     | 0.000907       | 0.00453  |                    | mg/Kg-dry | 1  | 04/21/08 05:09 PM |
| 1,1,2,2-Tetrachloroethane  | ND     | 0.000907       | 0.00453  |                    | mg/Kg-dry | 1  | 04/21/08 05:09 PM |
| 1,1,2-Trichloroethane      | ND     | 0.000907       | 0.00453  |                    | mg/Kg-dry | 1  | 04/21/08 05:09 PM |
| 1,1-Dichloroethane         | ND     | 0.000907       | 0.00453  |                    | mg/Kg-dry | 1  | 04/21/08 05:09 PM |
| 1,1-Dichloroethene         | ND     | 0.000907       | 0.00453  |                    | mg/Kg-dry | 1  | 04/21/08 05:09 PM |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 2C(3-4)  
 Lab ID: 0804184-07  
 Collection Date: 04/16/08 11:30 AM  
 Matrix: Soil

| Analyses                          | Result | MDL            | RL       | Qual | Units     | DF | Date Analyzed       |
|-----------------------------------|--------|----------------|----------|------|-----------|----|---------------------|
| 1,2-Dibromoethane                 | ND     | 0.000907       | 0.00453  |      | mg/Kg-dry | 1  | 04/21/08 05:09 PM   |
| 1,2-Dichloroethane                | ND     | 0.000907       | 0.00453  |      | mg/Kg-dry | 1  | 04/21/08 05:09 PM   |
| Benzene                           | ND     | 0.000907       | 0.00453  |      | mg/Kg-dry | 1  | 04/21/08 05:09 PM   |
| Carbon tetrachloride              | ND     | 0.000907       | 0.00453  |      | mg/Kg-dry | 1  | 04/21/08 05:09 PM   |
| Chloroform                        | ND     | 0.000907       | 0.00453  |      | mg/Kg-dry | 1  | 04/21/08 05:09 PM   |
| Ethylbenzene                      | ND     | 0.000907       | 0.00453  |      | mg/Kg-dry | 1  | 04/21/08 05:09 PM   |
| Methylene chloride                | ND     | 0.00453        | 0.00453  |      | mg/Kg-dry | 1  | 04/21/08 05:09 PM   |
| Tetrachloroethene                 | ND     | 0.000907       | 0.00453  |      | mg/Kg-dry | 1  | 04/21/08 05:09 PM   |
| Toluene                           | ND     | 0.000907       | 0.00453  |      | mg/Kg-dry | 1  | 04/21/08 05:09 PM   |
| Total Xylenes                     | ND     | 0.000907       | 0.00453  |      | mg/Kg-dry | 1  | 04/21/08 05:09 PM   |
| Trichloroethene                   | ND     | 0.000907       | 0.00453  |      | mg/Kg-dry | 1  | 04/21/08 05:09 PM   |
| Vinyl chloride                    | ND     | 0.000907       | 0.00453  |      | mg/Kg-dry | 1  | 04/21/08 05:09 PM   |
| Surr: 1,2-Dichloroethane-d4       | 101    | 0              | 78 - 125 |      | %REC      | 1  | 04/21/08 05:09 PM   |
| Surr: 4-Bromofluorobenzene        | 104    | 0              | 82 - 125 |      | %REC      | 1  | 04/21/08 05:09 PM   |
| Surr: Dibromofluoromethane        | 101    | 0              | 84 - 116 |      | %REC      | 1  | 04/21/08 05:09 PM   |
| Surr: Toluene-d8                  | 101    | 0              | 84 - 118 |      | %REC      | 1  | 04/21/08 05:09 PM   |
| <b>Anions by IC method - Soil</b> |        | <b>SW9056</b>  |          |      |           |    | <b>Analyst: JBC</b> |
| Chloride                          | ND     | 5.23           | 5.23     |      | mg/Kg-dry | 1  | 04/23/08 12:18 PM   |
| Fluoride                          | 3.85   | 1.05           | 1.05     |      | mg/Kg-dry | 1  | 04/23/08 12:18 PM   |
| Nitrate-N                         | ND     | 5.23           | 5.23     |      | mg/Kg-dry | 1  | 04/23/08 12:18 PM   |
| Sulfate                           | 30.1   | 10.5           | 10.5     |      | mg/Kg-dry | 1  | 04/23/08 12:18 PM   |
| <b>Cyanide - Solid Sample</b>     |        | <b>SW9014</b>  |          |      |           |    | <b>Analyst: AD</b>  |
| Cyanide, Total                    | ND     | 0.208          | 0.520    |      | mg/Kg-dry | 1  | 04/25/08 03:17 PM   |
| <b>pH of Solid (Corrosivity)</b>  |        | <b>SW9045C</b> |          |      |           |    | <b>Analyst: JBC</b> |
| pH                                | 8.22   | 0              | 0        |      | pH Units  | 1  | 04/22/08 01:45 PM   |
| <b>Percent Moisture</b>           |        | <b>D2216</b>   |          |      |           |    | <b>Analyst: RP</b>  |
| Percent Moisture                  | 5.26   | 0              | 0        | N    | WT%       | 1  | 04/24/08 05:23 PM   |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits



## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 2D(3-4)  
 Lab ID: 0804184-08  
 Collection Date: 04/16/08 10:50 AM  
 Matrix: Soil

| Analyses                             | Result | MDL            | RL       | Qual                | Units     | DF | Date Analyzed     |
|--------------------------------------|--------|----------------|----------|---------------------|-----------|----|-------------------|
| <b>PCB by GC - Soil/Solid</b>        |        | <b>SW8082</b>  |          | <b>Analyst: CZ</b>  |           |    |                   |
| Aroclor 1016                         | ND     | 0.0494         | 0.0989   |                     | mg/Kg-dry | 1  | 04/22/08 08:48 PM |
| Aroclor 1221                         | ND     | 0.0494         | 0.0989   |                     | mg/Kg-dry | 1  | 04/22/08 08:48 PM |
| Aroclor 1232                         | ND     | 0.0494         | 0.0989   |                     | mg/Kg-dry | 1  | 04/22/08 08:48 PM |
| Aroclor 1242                         | ND     | 0.0494         | 0.0989   |                     | mg/Kg-dry | 1  | 04/22/08 08:48 PM |
| Aroclor 1248                         | ND     | 0.0494         | 0.0989   |                     | mg/Kg-dry | 1  | 04/22/08 08:48 PM |
| Aroclor 1254                         | ND     | 0.0494         | 0.0989   |                     | mg/Kg-dry | 1  | 04/22/08 08:48 PM |
| Aroclor 1260                         | ND     | 0.0494         | 0.0989   |                     | mg/Kg-dry | 1  | 04/22/08 08:48 PM |
| Surr: Decachlorobiphenyl             | 90.6   | 0              | 40 - 130 |                     | %REC      | 1  | 04/22/08 08:48 PM |
| Surr: Tetrachloro-m-xylene           | 91.2   | 0              | 40 - 130 |                     | %REC      | 1  | 04/22/08 08:48 PM |
| <b>TPH Extractable by GC - Soil</b>  |        | <b>M8015D</b>  |          | <b>Analyst: CZ</b>  |           |    |                   |
| TPH-DRO C10-C28                      | ND     | 3.10           | 10.3     |                     | mg/Kg-dry | 1  | 04/22/08 10:12 AM |
| Surr: o-Terphenyl                    | 75.4   | 0              | 47 - 142 |                     | %REC      | 1  | 04/22/08 10:12 AM |
| Surr: Octacosane                     | 79.9   | 0              | 25 - 162 |                     | %REC      | 1  | 04/22/08 10:12 AM |
| <b>Modified 8015 Gasoline (GRO)</b>  |        | <b>M8015V</b>  |          | <b>Analyst: JAW</b> |           |    |                   |
| Gasoline Range Organics              | ND     | 0.0577         | 0.192    |                     | mg/Kg-dry | 1  | 04/25/08 02:54 PM |
| Surr: Tetrachlorethene               | 114    | 0              | 70 - 134 |                     | %REC      | 1  | 04/25/08 02:54 PM |
| <b>Total Mercury: Soil/Solid</b>     |        | <b>SW7471A</b> |          | <b>Analyst: JCG</b> |           |    |                   |
| Mercury                              | ND     | 0.0165         | 0.0413   |                     | mg/Kg-dry | 1  | 04/21/08 03:46 PM |
| <b>Trace Metals: ICP-MS - Solid</b>  |        | <b>SW6020</b>  |          | <b>Analyst: AJR</b> |           |    |                   |
| Aluminum                             | 2270   | 12.5           | 12.5     |                     | mg/Kg-dry | 5  | 04/21/08 09:41 PM |
| Arsenic                              | 3.28   | 0.501          | 1.00     |                     | mg/Kg-dry | 5  | 04/21/08 09:41 PM |
| Barium                               | 634    | 2.50           | 10.0     |                     | mg/Kg-dry | 25 | 04/22/08 03:19 PM |
| Boron                                | 3.34   | 2.50           | 7.51     | J                   | mg/Kg-dry | 5  | 04/22/08 05:09 PM |
| Cadmium                              | ND     | 0.100          | 0.301    |                     | mg/Kg-dry | 5  | 04/21/08 09:41 PM |
| Chromium                             | 5.97   | 0.501          | 2.00     |                     | mg/Kg-dry | 5  | 04/21/08 09:41 PM |
| Cobalt                               | 3.70   | 0.501          | 2.00     |                     | mg/Kg-dry | 5  | 04/21/08 09:41 PM |
| Copper                               | 451    | 0.501          | 2.00     |                     | mg/Kg-dry | 5  | 04/21/08 09:41 PM |
| Iron                                 | 2320   | 12.5           | 12.5     |                     | mg/Kg-dry | 5  | 04/21/08 09:41 PM |
| Lead                                 | 1.50   | 0.100          | 0.301    |                     | mg/Kg-dry | 5  | 04/21/08 09:41 PM |
| Manganese                            | 35.8   | 0.501          | 2.00     |                     | mg/Kg-dry | 5  | 04/21/08 09:41 PM |
| Molybdenum                           | 0.709  | 0.501          | 2.00     | J                   | mg/Kg-dry | 5  | 04/21/08 09:41 PM |
| Nickel                               | 103    | 0.501          | 2.00     |                     | mg/Kg-dry | 5  | 04/21/08 09:41 PM |
| Selenium                             | 0.391  | 0.150          | 0.501    | J                   | mg/Kg-dry | 5  | 04/21/08 09:41 PM |
| Silver                               | ND     | 0.100          | 0.200    |                     | mg/Kg-dry | 5  | 04/21/08 09:41 PM |
| Zinc                                 | 337    | 1.00           | 2.50     |                     | mg/Kg-dry | 5  | 04/21/08 09:41 PM |
| <b>Uranium in Soil by ICPMS</b>      |        | <b>SW6020</b>  |          | <b>Analyst: AJR</b> |           |    |                   |
| Uranium                              | ND     | 1.00           | 2.50     | N                   | mg/Kg-dry | 5  | 04/22/08 01:06 PM |
| <b>Semivolatiles by GC/MS - Soil</b> |        | <b>SW8270C</b> |          | <b>Analyst: DO</b>  |           |    |                   |
| 1-Methylnaphthalene                  | ND     | 0.0519         | 0.138    | N                   | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| 2,3,4,6-Tetrachlorophenol            | ND     | 0.0415         | 0.138    | N                   | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| 2,4,5-Trichlorophenol                | ND     | 0.0726         | 0.138    |                     | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| 2,4,6-Trichlorophenol                | ND     | 0.0623         | 0.138    |                     | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| 2,4-Dichlorophenol                   | ND     | 0.0830         | 0.138    |                     | mg/Kg-dry | 1  | 04/21/08 11:28 PM |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 2D(3-4)  
 Lab ID: 0804184-08  
 Collection Date: 04/16/08 10:50 AM  
 Matrix: Soil

| Analyses                   | Result | MDL            | RL       | Qual               | Units     | DF | Date Analyzed     |
|----------------------------|--------|----------------|----------|--------------------|-----------|----|-------------------|
| 2,4-Dimethylphenol         | ND     | 0.0623         | 0.138    |                    | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| 2,4-Dinitrophenol          | ND     | 0.0519         | 0.685    |                    | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| 2,6-Dichlorophenol         | ND     | 0.0623         | 0.138    |                    | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| 2-Methylnaphthalene        | ND     | 0.0208         | 0.138    |                    | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| 2-Methylphenol             | ND     | 0.0726         | 0.138    |                    | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| 2-Nitrophenol              | ND     | 0.0726         | 0.138    |                    | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| 4,6-Dinitro-2-methylphenol | ND     | 0.0830         | 0.342    |                    | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| 4-Chloro-3-methylphenol    | ND     | 0.0623         | 0.138    |                    | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| 4-Methylphenol             | ND     | 0.104          | 0.138    |                    | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| 4-Nitrophenol              | ND     | 0.145          | 0.685    |                    | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| Pentachlorophenol          | ND     | 0.0934         | 0.138    |                    | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| Phenol                     | ND     | 0.0623         | 0.138    |                    | mg/Kg-dry | 1  | 04/21/08 11:28 PM |
| Surr: 2,4,6-Tribromophenol | 94.0   | 0              | 45 - 138 |                    | %REC      | 1  | 04/21/08 11:28 PM |
| Surr: 2-Fluorobiphenyl     | 76.1   | 0              | 60 - 135 |                    | %REC      | 1  | 04/21/08 11:28 PM |
| Surr: 2-Fluorophenol       | 73.6   | 0              | 37 - 125 |                    | %REC      | 1  | 04/21/08 11:28 PM |
| Surr: 4-Terphenyl-d14      | 80.8   | 0              | 60 - 129 |                    | %REC      | 1  | 04/21/08 11:28 PM |
| Surr: Nitrobenzene-d5      | 68.2   | 0              | 45 - 125 |                    | %REC      | 1  | 04/21/08 11:28 PM |
| Surr: Phenol-d6            | 80.6   | 0              | 40 - 125 |                    | %REC      | 1  | 04/21/08 11:28 PM |
| <b>PAHs: GC/MS</b>         |        | <b>SW8270C</b> |          | <b>Analyst: DO</b> |           |    |                   |
| Acenaphthene               | ND     | 0.0138         | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Acenaphthylene             | ND     | 0.00692        | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Anthracene                 | ND     | 0.00692        | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Benzo[a]anthracene         | ND     | 0.0138         | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Benzo[a]pyrene             | ND     | 0.0208         | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Benzo[b]fluoranthene       | ND     | 0.0138         | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Benzo[g,h,i]perylene       | ND     | 0.0138         | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Benzo[k]fluoranthene       | ND     | 0.0208         | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Chrysene                   | ND     | 0.0138         | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Dibenz[a,h]anthracene      | ND     | 0.0138         | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Fluoranthene               | ND     | 0.00692        | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Fluorene                   | ND     | 0.00692        | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Indeno[1,2,3-cd]pyrene     | ND     | 0.00692        | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Naphthalene                | ND     | 0.00692        | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Phenanthrene               | ND     | 0.00692        | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Pyrene                     | ND     | 0.0138         | 0.0346   |                    | mg/Kg-dry | 1  | 04/23/08 11:45 PM |
| Surr: 2-Fluorobiphenyl     | 101    | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 11:45 PM |
| Surr: 4-Terphenyl-d14      | 111    | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 11:45 PM |
| Surr: Nitrobenzene-d5      | 97.1   | 0              | 40 - 140 |                    | %REC      | 1  | 04/23/08 11:45 PM |
| <b>Volatiles by GC/MS</b>  |        | <b>SW8260B</b> |          | <b>Analyst: KW</b> |           |    |                   |
| 1,1,1-Trichloroethane      | ND     | 0.000832       | 0.00416  |                    | mg/Kg-dry | 1  | 04/21/08 05:41 PM |
| *1,1,2,2-Tetrachloroethane | ND     | 0.000832       | 0.00416  |                    | mg/Kg-dry | 1  | 04/21/08 05:41 PM |
| 1,1,2-Trichloroethane      | ND     | 0.000832       | 0.00416  |                    | mg/Kg-dry | 1  | 04/21/08 05:41 PM |
| 1,1-Dichloroethane         | ND     | 0.000832       | 0.00416  |                    | mg/Kg-dry | 1  | 04/21/08 05:41 PM |
| 1,1-Dichloroethene         | ND     | 0.000832       | 0.00416  |                    | mg/Kg-dry | 1  | 04/21/08 05:41 PM |

Qualifiers: \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits

## DHL Analytical

Date: 04/28/08

CLIENT: Larson & Associates  
 Project: Targa Landfarm  
 Project No: 6-0108  
 Lab Order: 0804184

Client Sample ID: Cell 2D(3-4)  
 Lab ID: 0804184-08  
 Collection Date: 04/16/08 10:50 AM  
 Matrix: Soil

| Analyses                          | Result | MDL            | RL       | Qual | Units     | DF | Date Analyzed       |
|-----------------------------------|--------|----------------|----------|------|-----------|----|---------------------|
| 1,2-Dibromoethane                 | ND     | 0.000832       | 0.00416  |      | mg/Kg-dry | 1  | 04/21/08 05:41 PM   |
| 1,2-Dichloroethane                | ND     | 0.000832       | 0.00416  |      | mg/Kg-dry | 1  | 04/21/08 05:41 PM   |
| Benzene                           | ND     | 0.000832       | 0.00416  |      | mg/Kg-dry | 1  | 04/21/08 05:41 PM   |
| Carbon tetrachloride              | ND     | 0.000832       | 0.00416  |      | mg/Kg-dry | 1  | 04/21/08 05:41 PM   |
| Chloroform                        | ND     | 0.000832       | 0.00416  |      | mg/Kg-dry | 1  | 04/21/08 05:41 PM   |
| Ethylbenzene                      | ND     | 0.000832       | 0.00416  |      | mg/Kg-dry | 1  | 04/21/08 05:41 PM   |
| Methylene chloride                | ND     | 0.00416        | 0.00416  |      | mg/Kg-dry | 1  | 04/21/08 05:41 PM   |
| Tetrachloroethene                 | ND     | 0.000832       | 0.00416  |      | mg/Kg-dry | 1  | 04/21/08 05:41 PM   |
| Toluene                           | ND     | 0.000832       | 0.00416  |      | mg/Kg-dry | 1  | 04/21/08 05:41 PM   |
| Total Xylenes                     | ND     | 0.000832       | 0.00416  |      | mg/Kg-dry | 1  | 04/21/08 05:41 PM   |
| Trichloroethene                   | ND     | 0.000832       | 0.00416  |      | mg/Kg-dry | 1  | 04/21/08 05:41 PM   |
| Vinyl chloride                    | ND     | 0.000832       | 0.00416  |      | mg/Kg-dry | 1  | 04/21/08 05:41 PM   |
| Surr: 1,2-Dichloroethane-d4       | 103    | 0              | 78 - 125 |      | %REC      | 1  | 04/21/08 05:41 PM   |
| Surr: 4-Bromofluorobenzene        | 103    | 0              | 82 - 125 |      | %REC      | 1  | 04/21/08 05:41 PM   |
| Surr: Dibromofluoromethane        | 101    | 0              | 84 - 116 |      | %REC      | 1  | 04/21/08 05:41 PM   |
| Surr: Toluene-d8                  | 109    | 0              | 84 - 118 |      | %REC      | 1  | 04/21/08 05:41 PM   |
| <b>Anions by IC method - Soil</b> |        | <b>SW9056</b>  |          |      |           |    | <b>Analyst: JBC</b> |
| Chloride                          | 132    | 5.15           | 5.15     |      | mg/Kg-dry | 1  | 04/23/08 12:33 PM   |
| Fluoride                          | 7.22   | 1.03           | 1.03     |      | mg/Kg-dry | 1  | 04/23/08 12:33 PM   |
| Nitrate-N                         | ND     | 5.15           | 5.15     |      | mg/Kg-dry | 1  | 04/23/08 12:33 PM   |
| Sulfate                           | 135    | 10.3           | 10.3     |      | mg/Kg-dry | 1  | 04/23/08 12:33 PM   |
| <b>Cyanide - Solid Sample</b>     |        | <b>SW9014</b>  |          |      |           |    | <b>Analyst: AD</b>  |
| Cyanide, Total                    | ND     | 0.198          | 0.494    |      | mg/Kg-dry | 1  | 04/25/08 03:17 PM   |
| <b>pH of Solid (Corrosivity)</b>  |        | <b>SW9045C</b> |          |      |           |    | <b>Analyst: JBC</b> |
| pH                                | 8.15   | 0              | 0        |      | pH Units  | 1  | 04/22/08 01:45 PM   |
| <b>Percent Moisture</b>           |        | <b>D2216</b>   |          |      |           |    | <b>Analyst: RP</b>  |
| Percent Moisture                  | 4.03   | 0              | 0        | N    | WT%       | 1  | 04/24/08 05:23 PM   |

**Qualifiers:** \* Value exceeds TCLP Maximum Concentration Level  
 B Analyte detected in the associated Method Blank  
 C Sample Result or QC discussed in the Case Narrative  
 DF Dilution Factor  
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 N Parameter not NELAC certified  
 ND Not Detected at the Method Detection Limit  
 RL Reporting Limit  
 S Spike Recovery outside control limits

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GC15\_080422A

|                     |                      |                                  |                     |
|---------------------|----------------------|----------------------------------|---------------------|
| Sample ID: MB-29976 | Batch ID: 29976      | TestNo: M8015D                   | Units: mg/Kg        |
| SampType: MBLK      | Run ID: GC15_080422A | Analysis Date: 04/22/08 09:46 AM | Prep Date: 04/21/08 |
| Analyte             | Result               | RL                               | SPK value           |
| TPH-DRO C10-C28     | ND                   | 10.0                             |                     |
| Surr: o-Terphenyl   | 5.71                 |                                  | 7.500               |
| Surr: Octacosane    | 5.81                 |                                  | 7.500               |

|         |      |          |           |      |           |      |
|---------|------|----------|-----------|------|-----------|------|
| Ref Val | %REC | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
|         |      | 47       | 142       |      |           |      |
|         |      | 25       | 162       |      |           |      |

|                      |                      |                                  |                     |
|----------------------|----------------------|----------------------------------|---------------------|
| Sample ID: LCS-29976 | Batch ID: 29976      | TestNo: M8015D                   | Units: mg/Kg        |
| SampType: LCS        | Run ID: GC15_080422A | Analysis Date: 04/22/08 09:59 AM | Prep Date: 04/21/08 |
| Analyte              | Result               | RL                               | SPK value           |
| TPH-DRO C10-C28      | 105                  | 10.0                             | 125.0               |
| Surr: o-Terphenyl    | 5.54                 |                                  | 7.500               |
| Surr: Octacosane     | 5.87                 |                                  | 7.500               |

|         |      |          |           |      |           |      |
|---------|------|----------|-----------|------|-----------|------|
| Ref Val | %REC | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| 0       | 84.2 | 50       | 114       |      |           |      |
|         | 73.8 | 47       | 142       |      |           |      |
|         | 78.3 | 25       | 162       |      |           |      |

|                           |                      |                                  |                     |
|---------------------------|----------------------|----------------------------------|---------------------|
| Sample ID: 0804184-01B-MS | Batch ID: 29976      | TestNo: M8015D                   | Units: mg/Kg-dry    |
| SampType: MS              | Run ID: GC15_080422A | Analysis Date: 04/22/08 12:28 PM | Prep Date: 04/21/08 |
| Analyte                   | Result               | RL                               | SPK value           |
| TPH-DRO C10-C28           | 93.0                 | 10.5                             | 131.7               |
| Surr: o-Terphenyl         | 5.08                 |                                  | 7.905               |
| Surr: Octacosane          | 6.34                 |                                  | 7.905               |

|         |      |          |           |      |           |      |
|---------|------|----------|-----------|------|-----------|------|
| Ref Val | %REC | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| 0       | 70.6 | 50       | 114       |      |           |      |
|         | 64.3 | 47       | 142       |      |           |      |
|         | 80.2 | 25       | 162       |      |           |      |

|                            |                      |                                  |                     |
|----------------------------|----------------------|----------------------------------|---------------------|
| Sample ID: 0804184-01B-MSD | Batch ID: 29976      | TestNo: M8015D                   | Units: mg/Kg-dry    |
| SampType: MSD              | Run ID: GC15_080422A | Analysis Date: 04/22/08 01:25 PM | Prep Date: 04/21/08 |
| Analyte                    | Result               | RL                               | SPK value           |
| TPH-DRO C10-C28            | 110                  | 10.4                             | 129.4               |
| Surr: o-Terphenyl          | 5.47                 |                                  | 7.764               |
| Surr: Octacosane           | 6.08                 |                                  | 7.764               |

|         |      |          |           |      |           |      |
|---------|------|----------|-----------|------|-----------|------|
| Ref Val | %REC | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| 0       | 84.7 | 50       | 114       | 16.3 | 30        |      |
|         | 70.4 | 47       | 142       | 0    | 0         |      |
|         | 78.3 | 25       | 162       | 0    | 0         |      |

Qualifiers: B Analyte detected in the associated Method Blank  
 DF Dilution Factor  
 J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 ND Not Detected at the Method Detection Limit

R RPD outside accepted control limits  
 RL Reporting Limit  
 S Spike Recovery outside control limits  
 N Parameter not NELAC certified

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GC15\_080422A

|                   |            |           |              |                |                   |            |                                        |
|-------------------|------------|-----------|--------------|----------------|-------------------|------------|----------------------------------------|
| Sample ID:        | ICV-080422 | Batch ID: | R37299       | TestNo:        | M8015D            | Units:     | mg/Kg                                  |
| SampType:         | ICV        | Run ID:   | GC15_080422A | Analysis Date: | 04/22/08 09:33 AM | Prep Date: |                                        |
| Analyte           |            | Result    | RL           | SPK value      | Ref Val           | %REC       | LowLimit HighLimit %RPD RPD Limit Qual |
| TPH-DRO C10-C28   |            | 972       | 10.0         | 1000           | 0                 | 97.2       | 85 115                                 |
| Surr: o-Terphenyl |            | 43.3      |              | 50.00          |                   | 86.7       | 47 142                                 |
| Surr: Octacosane  |            | 50.6      |              | 50.00          |                   | 101        | 25 162                                 |

|                   |            |           |              |                |                   |            |                                        |
|-------------------|------------|-----------|--------------|----------------|-------------------|------------|----------------------------------------|
| Sample ID:        | CCV-080422 | Batch ID: | R37299       | TestNo:        | M8015D            | Units:     | mg/Kg                                  |
| SampType:         | CCV        | Run ID:   | GC15_080422A | Analysis Date: | 04/22/08 11:48 AM | Prep Date: |                                        |
| Analyte           |            | Result    | RL           | SPK value      | Ref Val           | %REC       | LowLimit HighLimit %RPD RPD Limit Qual |
| TPH-DRO C10-C28   |            | 455       | 10.0         | 500.0          | 0                 | 91.0       | 85 115                                 |
| Surr: o-Terphenyl |            | 16.1      |              | 25.00          |                   | 64.6       | 47 142                                 |
| Surr: Octacosane  |            | 21.8      |              | 25.00          |                   | 87.4       | 25 162                                 |

|                   |             |           |              |                |                   |            |                                        |
|-------------------|-------------|-----------|--------------|----------------|-------------------|------------|----------------------------------------|
| Sample ID:        | CCV2-080422 | Batch ID: | R37299       | TestNo:        | M8015D            | Units:     | mg/Kg                                  |
| SampType:         | CCV         | Run ID:   | GC15_080422A | Analysis Date: | 04/22/08 01:38 PM | Prep Date: |                                        |
| Analyte           |             | Result    | RL           | SPK value      | Ref Val           | %REC       | LowLimit HighLimit %RPD RPD Limit Qual |
| TPH-DRO C10-C28   |             | 444       | 10.0         | 500.0          | 0                 | 88.7       | 85 115                                 |
| Surr: o-Terphenyl |             | 15.4      |              | 25.00          |                   | 61.6       | 47 142                                 |
| Surr: Octacosane  |             | 19.6      |              | 25.00          |                   | 78.3       | 25 162                                 |

|                   |             |           |              |                |                   |            |                                        |
|-------------------|-------------|-----------|--------------|----------------|-------------------|------------|----------------------------------------|
| Sample ID:        | CCV3-080422 | Batch ID: | R37299       | TestNo:        | M8015D            | Units:     | mg/Kg                                  |
| SampType:         | CCV         | Run ID:   | GC15_080422A | Analysis Date: | 04/22/08 05:53 PM | Prep Date: |                                        |
| Analyte           |             | Result    | RL           | SPK value      | Ref Val           | %REC       | LowLimit HighLimit %RPD RPD Limit Qual |
| TPH-DRO C10-C28   |             | 435       | 10.0         | 500.0          | 0                 | 86.9       | 85 115                                 |
| Surr: o-Terphenyl |             | 15.0      |              | 25.00          |                   | 60.0       | 47 142                                 |
| Surr: Octacosane  |             | 19.4      |              | 25.00          |                   | 77.7       | 25 162                                 |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GC16\_080422A

|                            |          |           |              |                |                   |            |           |      |           |      |
|----------------------------|----------|-----------|--------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                 | MB-29991 | Batch ID: | 29991        | TestNo:        | SW8082            | Units:     | mg/Kg     |      |           |      |
| SampType:                  | MBLK     | Run ID:   | GC16_080422A | Analysis Date: | 04/22/08 03:46 PM | Prep Date: | 04/22/08  |      |           |      |
| Analyte                    | Result   | RL        | SPK value    | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aroclor 1016               | ND       | 0.100     |              |                |                   |            |           |      |           |      |
| Aroclor 1221               | ND       | 0.100     |              |                |                   |            |           |      |           |      |
| Aroclor 1232               | ND       | 0.100     |              |                |                   |            |           |      |           |      |
| Aroclor 1242               | ND       | 0.100     |              |                |                   |            |           |      |           |      |
| Aroclor 1248               | ND       | 0.100     |              |                |                   |            |           |      |           |      |
| Aroclor 1254               | ND       | 0.100     |              |                |                   |            |           |      |           |      |
| Aroclor 1260               | ND       | 0.100     |              |                |                   |            |           |      |           |      |
| Surr: Decachlorobiphenyl   | 0.0632   |           | 0.1000       |                | 63.2              | 50         | 130       |      |           |      |
| Surr: Tetrachloro-m-xylene | 0.0667   |           | 0.1000       |                | 66.7              | 50         | 130       |      |           |      |

|                            |           |           |              |                |                   |            |           |      |           |      |
|----------------------------|-----------|-----------|--------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                 | LCS-29991 | Batch ID: | 29991        | TestNo:        | SW8082            | Units:     | mg/Kg     |      |           |      |
| SampType:                  | LCS       | Run ID:   | GC16_080422A | Analysis Date: | 04/22/08 04:07 PM | Prep Date: | 04/22/08  |      |           |      |
| Analyte                    | Result    | RL        | SPK value    | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aroclor 1016               | 0.992     | 0.100     | 1.000        | 0              | 99.2              | 65         | 126       |      |           |      |
| Aroclor 1260               | 0.829     | 0.100     | 1.000        | 0              | 82.9              | 66         | 118       |      |           |      |
| Surr: Decachlorobiphenyl   | 0.0945    |           | 0.1000       |                | 94.5              | 50         | 130       |      |           |      |
| Surr: Tetrachloro-m-xylene | 0.0969    |           | 0.1000       |                | 96.9              | 50         | 130       |      |           |      |

|                            |                |           |              |                |                   |            |           |      |           |      |
|----------------------------|----------------|-----------|--------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                 | 0804184-04B-MS | Batch ID: | 29991        | TestNo:        | SW8082            | Units:     | mg/Kg-dry |      |           |      |
| SampType:                  | MS             | Run ID:   | GC16_080422A | Analysis Date: | 04/22/08 07:01 PM | Prep Date: | 04/22/08  |      |           |      |
| Analyte                    | Result         | RL        | SPK value    | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aroclor 1016               | 0.688          | 0.102     | 1.021        | 0              | 67.4              | 65         | 126       |      |           |      |
| Aroclor 1260               | 0.607          | 0.102     | 1.021        | 0              | 59.5              | 66         | 118       |      |           | S    |
| Surr: Decachlorobiphenyl   | 0.0689         |           | 0.1021       |                | 67.5              | 40         | 130       |      |           |      |
| Surr: Tetrachloro-m-xylene | 0.0685         |           | 0.1021       |                | 67.1              | 40         | 130       |      |           |      |

|                            |                 |           |              |                |                   |            |           |      |           |      |
|----------------------------|-----------------|-----------|--------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                 | 0804184-04B-MSD | Batch ID: | 29991        | TestNo:        | SW8082            | Units:     | mg/Kg-dry |      |           |      |
| SampType:                  | MSD             | Run ID:   | GC16_080422A | Analysis Date: | 04/22/08 07:23 PM | Prep Date: | 04/22/08  |      |           |      |
| Analyte                    | Result          | RL        | SPK value    | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aroclor 1016               | 0.746           | 0.104     | 1.040        | 0              | 71.7              | 65         | 126       | 8.11 | 50        |      |
| Aroclor 1260               | 0.649           | 0.104     | 1.040        | 0              | 62.4              | 66         | 118       | 6.59 | 50        | S    |
| Surr: Decachlorobiphenyl   | 0.0730          |           | 0.1040       |                | 70.2              | 40         | 130       | 0    | 50        |      |
| Surr: Tetrachloro-m-xylene | 0.0719          |           | 0.1040       |                | 69.2              | 40         | 130       | 0    | 50        |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GC16\_080422A

|                            |            |           |              |                |                   |            |           |      |           |      |
|----------------------------|------------|-----------|--------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                 | ICV-080422 | Batch ID: | R37312       | TestNo:        | SW8082            | Units:     | mg/Kg     |      |           |      |
| SampType:                  | ICV        | Run ID:   | GC16_080422A | Analysis Date: | 04/22/08 03:19 PM | Prep Date: |           |      |           |      |
| Analyte                    | Result     | RL        | SPK value    | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aroclor 1016               | 1.85       | 0.100     | 2.000        | 0              | 92.3              | 85         | 115       |      |           |      |
| Aroclor 1260               | 1.73       | 0.100     | 2.000        | 0              | 86.5              | 85         | 115       |      |           |      |
| Surr: Decachlorobiphenyl   | 0.181      |           | 0.2000       |                | 90.3              | 50         | 130       |      |           |      |
| Surr: Tetrachloro-m-xylene | 0.190      |           | 0.2000       |                | 95.1              | 50         | 130       |      |           |      |

|                            |             |           |              |                |                   |            |           |      |           |      |
|----------------------------|-------------|-----------|--------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                 | CCV1-080422 | Batch ID: | R37312       | TestNo:        | SW8082            | Units:     | mg/Kg     |      |           |      |
| SampType:                  | CCV         | Run ID:   | GC16_080422A | Analysis Date: | 04/22/08 05:13 PM | Prep Date: |           |      |           |      |
| Analyte                    | Result      | RL        | SPK value    | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aroclor 1016               | 0.987       | 0.100     | 1.000        | 0              | 98.7              | 85         | 115       |      |           |      |
| Aroclor 1260               | 0.919       | 0.100     | 1.000        | 0              | 91.9              | 85         | 115       |      |           |      |
| Surr: Decachlorobiphenyl   | 0.0945      |           | 0.1000       |                | 94.5              | 50         | 130       |      |           |      |
| Surr: Tetrachloro-m-xylene | 0.0988      |           | 0.1000       |                | 98.8              | 50         | 130       |      |           |      |

|                            |                  |           |              |                |                   |            |           |      |           |      |
|----------------------------|------------------|-----------|--------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                 | CCV2-080422 1248 | Batch ID: | R37312       | TestNo:        | SW8082            | Units:     | mg/Kg     |      |           |      |
| SampType:                  | CCV              | Run ID:   | GC16_080422A | Analysis Date: | 04/22/08 09:31 PM | Prep Date: |           |      |           |      |
| Analyte                    | Result           | RL        | SPK value    | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aroclor 1248               | 0.917            | 0.100     | 1.000        | 0              | 91.7              | 85         | 115       |      |           |      |
| Surr: Decachlorobiphenyl   | 0.0922           |           | 0.1000       |                | 92.2              | 50         | 130       |      |           |      |
| Surr: Tetrachloro-m-xylene | 0.0945           |           | 0.1000       |                | 94.5              | 50         | 130       |      |           |      |

|                            |            |           |              |                |                   |            |           |      |           |      |
|----------------------------|------------|-----------|--------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                 | ICV-080423 | Batch ID: | R37312       | TestNo:        | SW8082            | Units:     | mg/Kg     |      |           |      |
| SampType:                  | ICV        | Run ID:   | GC16_080422A | Analysis Date: | 04/23/08 12:24 PM | Prep Date: |           |      |           |      |
| Analyte                    | Result     | RL        | SPK value    | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aroclor 1016               | 2.10       | 0.100     | 2.000        | 0              | 105               | 85         | 115       |      |           |      |
| Aroclor 1260               | 1.96       | 0.100     | 2.000        | 0              | 98.1              | 85         | 115       |      |           |      |
| Surr: Decachlorobiphenyl   | 0.199      |           | 0.2000       |                | 99.5              | 50         | 130       |      |           |      |
| Surr: Tetrachloro-m-xylene | 0.205      |           | 0.2000       |                | 102               | 50         | 130       |      |           |      |

|                            |                     |           |              |                |                   |            |           |      |           |      |
|----------------------------|---------------------|-----------|--------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                 | CCV-080423 PCB-1248 | Batch ID: | R37312       | TestNo:        | SW8082            | Units:     | mg/Kg     |      |           |      |
| SampType:                  | CCV                 | Run ID:   | GC16_080422A | Analysis Date: | 04/23/08 01:28 PM | Prep Date: |           |      |           |      |
| Analyte                    | Result              | RL        | SPK value    | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aroclor 1248               | 0.903               | 0.100     | 1.000        | 0              | 90.3              | 85         | 115       |      |           |      |
| Surr: Decachlorobiphenyl   | 0.0949              |           | 0.1000       |                | 94.9              | 50         | 130       |      |           |      |
| Surr: Tetrachloro-m-xylene | 0.0941              |           | 0.1000       |                | 94.1              | 50         | 130       |      |           |      |

|                            |             |           |              |                |                   |            |           |      |           |      |
|----------------------------|-------------|-----------|--------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                 | CCV2-080423 | Batch ID: | R37312       | TestNo:        | SW8082            | Units:     | mg/Kg     |      |           |      |
| SampType:                  | CCV         | Run ID:   | GC16_080422A | Analysis Date: | 04/23/08 03:23 PM | Prep Date: |           |      |           |      |
| Analyte                    | Result      | RL        | SPK value    | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aroclor 1016               | 0.994       | 0.100     | 1.000        | 0              | 99.4              | 85         | 115       |      |           |      |
| Aroclor 1260               | 0.960       | 0.100     | 1.000        | 0              | 96.0              | 85         | 115       |      |           |      |
| Surr: Decachlorobiphenyl   | 0.0974      |           | 0.1000       |                | 97.4              | 50         | 130       |      |           |      |
| Surr: Tetrachloro-m-xylene | 0.0980      |           | 0.1000       |                | 98.0              | 50         | 130       |      |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GC4\_080423A

|                         |                |           |             |                |                   |            |           |           |      |                |
|-------------------------|----------------|-----------|-------------|----------------|-------------------|------------|-----------|-----------|------|----------------|
| Sample ID:              | LCS-30005      | Batch ID: | 30005       | TestNo:        | M8015V            | Units:     | mg/Kg     |           |      |                |
| SampType:               | LCS            | Run ID:   | GC4_080423A | Analysis Date: | 04/25/08 11:02 AM | Prep Date: | 04/25/08  |           |      |                |
| Analyte                 |                | Result    | RL          | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit Qual |
| Gasoline Range Organics |                | 4.56      | 0.200       | 5.000          | 0                 | 91.2       | 68        | 126       |      |                |
| Surr: Tetrachlorethene  |                | 0.372     |             | 0.4000         |                   | 92.9       | 70        | 134       |      |                |
|                         |                |           |             |                |                   |            |           |           |      |                |
| Sample ID:              | MB-30005       | Batch ID: | 30005       | TestNo:        | M8015V            | Units:     | mg/Kg     |           |      |                |
| SampType:               | MBLK           | Run ID:   | GC4_080423A | Analysis Date: | 04/25/08 11:49 AM | Prep Date: | 04/25/08  |           |      |                |
| Analyte                 |                | Result    | RL          | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit Qual |
| Gasoline Range Organics |                | ND        | 0.200       |                |                   |            |           |           |      |                |
| Surr: Tetrachlorethene  |                | 0.413     |             | 0.4000         |                   | 103        | 70        | 134       |      |                |
|                         |                |           |             |                |                   |            |           |           |      |                |
| Sample ID:              | 0804184-05AMS  | Batch ID: | 30005       | TestNo:        | M8015V            | Units:     | mg/Kg-dry |           |      |                |
| SampType:               | MS             | Run ID:   | GC4_080423A | Analysis Date: | 04/25/08 01:45 PM | Prep Date: | 04/25/08  |           |      |                |
| Analyte                 |                | Result    | RL          | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit Qual |
| Gasoline Range Organics |                | 4.82      | 0.218       | 5.442          | 0                 | 88.5       | 68        | 126       |      |                |
| Surr: Tetrachlorethene  |                | 0.450     |             | 0.4354         |                   | 103        | 70        | 134       |      |                |
|                         |                |           |             |                |                   |            |           |           |      |                |
| Sample ID:              | 0804184-05AMSD | Batch ID: | 30005       | TestNo:        | M8015V            | Units:     | mg/Kg-dry |           |      |                |
| SampType:               | MSD            | Run ID:   | GC4_080423A | Analysis Date: | 04/25/08 02:08 PM | Prep Date: | 04/25/08  |           |      |                |
| Analyte                 |                | Result    | RL          | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit Qual |
| Gasoline Range Organics |                | 4.22      | 0.196       | 4.907          | 0                 | 86.1       | 68        | 126       | 13.2 | 30             |
| Surr: Tetrachlorethene  |                | 0.395     |             | 0.3925         |                   | 101        | 70        | 134       | 0    | 0              |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |



CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GC4\_080423A

|                         |            |           |             |                |                   |            |                                        |
|-------------------------|------------|-----------|-------------|----------------|-------------------|------------|----------------------------------------|
| Sample ID:              | ICV-080425 | Batch ID: | R37339      | TestNo:        | M8015V            | Units:     | mg/Kg                                  |
| SampType:               | ICV        | Run ID:   | GC4_080423A | Analysis Date: | 04/25/08 10:30 AM | Prep Date: |                                        |
| Analyte                 |            | Result    | RL          | SPK value      | Ref Val           | %REC       | LowLimit HighLimit %RPD RPD Limit Qual |
| Gasoline Range Organics |            | 9.06      | 0.200       | 10.00          | 0                 | 90.6       | 85 115                                 |
| Surr: Tetrachlorethene  |            | 0.339     |             | 0.4000         |                   | 84.7       | 74 138                                 |

|                         |             |           |             |                |                   |            |                                        |
|-------------------------|-------------|-----------|-------------|----------------|-------------------|------------|----------------------------------------|
| Sample ID:              | CCV1-080425 | Batch ID: | R37339      | TestNo:        | M8015V            | Units:     | mg/Kg                                  |
| SampType:               | CCV         | Run ID:   | GC4_080423A | Analysis Date: | 04/25/08 03:18 PM | Prep Date: |                                        |
| Analyte                 |             | Result    | RL          | SPK value      | Ref Val           | %REC       | LowLimit HighLimit %RPD RPD Limit Qual |
| Gasoline Range Organics |             | 4.77      | 0.200       | 5.000          | 0                 | 95.4       | 85 115                                 |
| Surr: Tetrachlorethene  |             | 0.376     |             | 0.4000         |                   | 94.0       | 74 138                                 |

|                         |             |           |             |                |                   |            |                                        |
|-------------------------|-------------|-----------|-------------|----------------|-------------------|------------|----------------------------------------|
| Sample ID:              | CCV2-080425 | Batch ID: | R37339      | TestNo:        | M8015V            | Units:     | mg/Kg                                  |
| SampType:               | CCV         | Run ID:   | GC4_080423A | Analysis Date: | 04/25/08 05:13 PM | Prep Date: |                                        |
| Analyte                 |             | Result    | RL          | SPK value      | Ref Val           | %REC       | LowLimit HighLimit %RPD RPD Limit Qual |
| Gasoline Range Organics |             | 4.88      | 0.200       | 5.000          | 0                 | 97.6       | 85 115                                 |
| Surr: Tetrachlorethene  |             | 0.339     |             | 0.4000         |                   | 84.9       | 74 138                                 |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: CETAC\_HG\_080421A

|            |                 |           |                  |                |                   |            |           |           |       |           |      |
|------------|-----------------|-----------|------------------|----------------|-------------------|------------|-----------|-----------|-------|-----------|------|
| Sample ID: | MB-29963        | Batch ID: | 29963            | TestNo:        | SW7471A           | Units:     | mg/Kg     |           |       |           |      |
| SampType:  | MBLK            | Run ID:   | CETAC_HG_080421A | Analysis Date: | 04/21/08 03:08 PM | Prep Date: | 04/21/08  |           |       |           |      |
| Analyte    |                 | Result    | RL               | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD  | RPD Limit | Qual |
| Mercury    |                 | ND        | 0.0400           |                |                   |            |           |           |       |           |      |
|            |                 |           |                  |                |                   |            |           |           |       |           |      |
| Sample ID: | LCS-29963       | Batch ID: | 29963            | TestNo:        | SW7471A           | Units:     | mg/Kg     |           |       |           |      |
| SampType:  | LCS             | Run ID:   | CETAC_HG_080421A | Analysis Date: | 04/21/08 03:10 PM | Prep Date: | 04/21/08  |           |       |           |      |
| Analyte    |                 | Result    | RL               | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD  | RPD Limit | Qual |
| Mercury    |                 | 0.210     | 0.0400           | 0.2000         | 0                 | 105        | 85        | 115       |       |           |      |
|            |                 |           |                  |                |                   |            |           |           |       |           |      |
| Sample ID: | LCSD-29963      | Batch ID: | 29963            | TestNo:        | SW7471A           | Units:     | mg/Kg     |           |       |           |      |
| SampType:  | LCSD            | Run ID:   | CETAC_HG_080421A | Analysis Date: | 04/21/08 03:12 PM | Prep Date: | 04/21/08  |           |       |           |      |
| Analyte    |                 | Result    | RL               | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD  | RPD Limit | Qual |
| Mercury    |                 | 0.209     | 0.0400           | 0.2000         | 0                 | 104        | 85        | 115       | 0.477 | 25        |      |
|            |                 |           |                  |                |                   |            |           |           |       |           |      |
| Sample ID: | 0804184-01C MSD | Batch ID: | 29963            | TestNo:        | SW7471A           | Units:     | mg/Kg-dry |           |       |           |      |
| SampType:  | MSD             | Run ID:   | CETAC_HG_080421A | Analysis Date: | 04/21/08 03:19 PM | Prep Date: | 04/21/08  |           |       |           |      |
| Analyte    |                 | Result    | RL               | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD  | RPD Limit | Qual |
| Mercury    |                 | 0.214     | 0.0434           | 0.2171         | 0                 | 98.5       | 80        | 120       | 8.26  | 25        |      |
|            |                 |           |                  |                |                   |            |           |           |       |           |      |
| Sample ID: | 0804184-01C PDS | Batch ID: | 29963            | TestNo:        | SW7471A           | Units:     | mg/Kg-dry |           |       |           |      |
| SampType:  | PDS             | Run ID:   | CETAC_HG_080421A | Analysis Date: | 04/21/08 03:21 PM | Prep Date: | 04/21/08  |           |       |           |      |
| Analyte    |                 | Result    | RL               | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD  | RPD Limit | Qual |
| Mercury    |                 | 0.256     | 0.0432           | 0.2700         | 0                 | 94.8       | 85        | 115       |       |           |      |
|            |                 |           |                  |                |                   |            |           |           |       |           |      |
| Sample ID: | 0804184-01C SD  | Batch ID: | 29963            | TestNo:        | SW7471A           | Units:     | mg/Kg-dry |           |       |           |      |
| SampType:  | SD              | Run ID:   | CETAC_HG_080421A | Analysis Date: | 04/21/08 03:23 PM | Prep Date: | 04/21/08  |           |       |           |      |
| Analyte    |                 | Result    | RL               | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD  | RPD Limit | Qual |
| Mercury    |                 | 0         | 0.216            | 0              | 0                 |            |           |           | 0     | 10        |      |
|            |                 |           |                  |                |                   |            |           |           |       |           |      |
| Sample ID: | 0804184-01C MS  | Batch ID: | 29963            | TestNo:        | SW7471A           | Units:     | mg/Kg-dry |           |       |           |      |
| SampType:  | MS              | Run ID:   | CETAC_HG_080421A | Analysis Date: | 04/21/08 03:27 PM | Prep Date: | 04/21/08  |           |       |           |      |
| Analyte    |                 | Result    | RL               | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD  | RPD Limit | Qual |
| Mercury    |                 | 0.197     | 0.0421           | 0.2105         | 0                 | 93.5       | 80        | 120       |       |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: CETAC\_HG\_080421A

|            |             |           |                  |                |                   |            |          |           |      |           |      |
|------------|-------------|-----------|------------------|----------------|-------------------|------------|----------|-----------|------|-----------|------|
| Sample ID: | ICV-080421  | Batch ID: | R37269           | TestNo:        | SW7471A           | Units:     | mg/Kg    |           |      |           |      |
| SampType:  | ICV         | Run ID:   | CETAC_HG_080421A | Analysis Date: | 04/21/08 03:04 PM | Prep Date: |          |           |      |           |      |
| Analyte    |             | Result    | RL               | SPK value      | Ref Val           | %REC       | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| Mercury    |             | 0.00412   | 0.0400           | 0.004000       | 0                 | 103        | 90       | 110       |      |           |      |
|            |             |           |                  |                |                   |            |          |           |      |           |      |
| Sample ID: | CCV1-080421 | Batch ID: | R37269           | TestNo:        | SW7471A           | Units:     | mg/Kg    |           |      |           |      |
| SampType:  | CCV         | Run ID:   | CETAC_HG_080421A | Analysis Date: | 04/21/08 03:34 PM | Prep Date: |          |           |      |           |      |
| Analyte    |             | Result    | RL               | SPK value      | Ref Val           | %REC       | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| Mercury    |             | 0.00184   | 0.0400           | 0.002000       | 0                 | 92.0       | 90       | 110       |      |           |      |
|            |             |           |                  |                |                   |            |          |           |      |           |      |
| Sample ID: | CCV2-080421 | Batch ID: | R37269           | TestNo:        | SW7471A           | Units:     | mg/Kg    |           |      |           |      |
| SampType:  | CCV         | Run ID:   | CETAC_HG_080421A | Analysis Date: | 04/21/08 03:58 PM | Prep Date: |          |           |      |           |      |
| Analyte    |             | Result    | RL               | SPK value      | Ref Val           | %REC       | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| Mercury    |             | 0.00194   | 0.0400           | 0.002000       | 0                 | 97.0       | 90       | 110       |      |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2\_080422A

|            |                 |           |                 |                |                   |            |           |           |      |           |      |
|------------|-----------------|-----------|-----------------|----------------|-------------------|------------|-----------|-----------|------|-----------|------|
| Sample ID: | MB-29959        | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg     |           |      |           |      |
| SampType:  | MBLK            | Run ID:   | ICP-MS2_080422A | Analysis Date: | 04/22/08 12:29 PM | Prep Date: | 04/21/08  |           |      |           |      |
| Analyte    |                 | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit | Qual |
| Uranium    |                 | ND        | 2.50            |                |                   |            |           |           |      |           | N    |
| Sample ID: | LCS2-29959      | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg     |           |      |           |      |
| SampType:  | LCS             | Run ID:   | ICP-MS2_080422A | Analysis Date: | 04/22/08 12:31 PM | Prep Date: | 04/21/08  |           |      |           |      |
| Analyte    |                 | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit | Qual |
| Uranium    |                 | 55.4      | 2.50            | 50.00          | 0                 | 111        | 80        | 120       |      |           | N    |
| Sample ID: | LCSD2-29959     | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg     |           |      |           |      |
| SampType:  | LCSD            | Run ID:   | ICP-MS2_080422A | Analysis Date: | 04/22/08 12:33 PM | Prep Date: | 04/21/08  |           |      |           |      |
| Analyte    |                 | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit | Qual |
| Uranium    |                 | 57.2      | 2.50            | 50.00          | 0                 | 114        | 80        | 120       | 3.11 | 20        | N    |
| Sample ID: | 0804184-01C SD  | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg-dry |           |      |           |      |
| SampType:  | SD              | Run ID:   | ICP-MS2_080422A | Analysis Date: | 04/22/08 12:36 PM | Prep Date: | 04/21/08  |           |      |           |      |
| Analyte    |                 | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit | Qual |
| Uranium    |                 | 0         | 13.0            | 0              | 0                 |            |           |           | 0    | 10        | N    |
| Sample ID: | 0804184-01C PDS | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg-dry |           |      |           |      |
| SampType:  | PDS             | Run ID:   | ICP-MS2_080422A | Analysis Date: | 04/22/08 12:38 PM | Prep Date: | 04/21/08  |           |      |           |      |
| Analyte    |                 | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit | Qual |
| Uranium    |                 | 65.0      | 2.61            | 52.10          | 0                 | 125        | 75        | 125       |      |           | N    |
| Sample ID: | 0804184-01C MS  | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg-dry |           |      |           |      |
| SampType:  | MS              | Run ID:   | ICP-MS2_080422A | Analysis Date: | 04/22/08 12:40 PM | Prep Date: | 04/21/08  |           |      |           |      |
| Analyte    |                 | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit | Qual |
| Uranium    |                 | 67.4      | 2.63            | 52.60          | 0                 | 128        | 80        | 120       |      |           | SN   |
| Sample ID: | 0804184-01C MSD | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg-dry |           |      |           |      |
| SampType:  | MSD             | Run ID:   | ICP-MS2_080422A | Analysis Date: | 04/22/08 12:42 PM | Prep Date: | 04/21/08  |           |      |           |      |
| Analyte    |                 | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit | Qual |
| Uranium    |                 | 69.9      | 2.71            | 54.15          | 0                 | 129        | 80        | 120       | 3.64 | 20        | SN   |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2\_080422A

|            |             |           |                 |                |                   |            |          |           |      |           |      |
|------------|-------------|-----------|-----------------|----------------|-------------------|------------|----------|-----------|------|-----------|------|
| Sample ID: | ICV1-080422 | Batch ID: | R37291          | TestNo:        | SW6020            | Units:     | mg/Kg    |           |      |           |      |
| SampType:  | ICV         | Run ID:   | ICP-MS2_080422A | Analysis Date: | 04/22/08 12:23 PM | Prep Date: |          |           |      |           |      |
| Analyte    |             | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| Uranium    |             | 0.105     | 0.500           | 0.1000         | 0                 | 105        | 90       | 110       |      |           | N    |

|            |             |           |                 |                |                   |            |          |           |      |           |      |
|------------|-------------|-----------|-----------------|----------------|-------------------|------------|----------|-----------|------|-----------|------|
| Sample ID: | CCV1-080422 | Batch ID: | R37291          | TestNo:        | SW6020            | Units:     | mg/Kg    |           |      |           |      |
| SampType:  | CCV         | Run ID:   | ICP-MS2_080422A | Analysis Date: | 04/22/08 12:50 PM | Prep Date: |          |           |      |           |      |
| Analyte    |             | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| Uranium    |             | 0.215     | 0.500           | 0.2000         | 0                 | 108        | 90       | 110       |      |           | N    |

|            |             |           |                 |                |                   |            |          |           |      |           |      |
|------------|-------------|-----------|-----------------|----------------|-------------------|------------|----------|-----------|------|-----------|------|
| Sample ID: | CCV2-080422 | Batch ID: | R37291          | TestNo:        | SW6020            | Units:     | mg/Kg    |           |      |           |      |
| SampType:  | CCV         | Run ID:   | ICP-MS2_080422A | Analysis Date: | 04/22/08 01:10 PM | Prep Date: |          |           |      |           |      |
| Analyte    |             | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| Uranium    |             | 0.216     | 0.500           | 0.2000         | 0                 | 108        | 90       | 110       |      |           | N    |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2\_080422C

|            |             |           |                 |         |                |                   |           |            |           |      |
|------------|-------------|-----------|-----------------|---------|----------------|-------------------|-----------|------------|-----------|------|
| Sample ID: | ICV1-080422 | Batch ID: | R37314          |         | TestNo:        | SW6020            |           | Units:     | mg/L      |      |
| SampType:  | ICV         | Run ID:   | ICP-MS2_080422C |         | Analysis Date: | 04/22/08 03:12 PM |           | Prep Date: |           |      |
| Analyte    | Result      | RL        | SPK value       | Ref Val | %REC           | LowLimit          | HighLimit | %RPD       | RPD Limit | Qual |
| Arsenic    | 0.0967      | 0.00600   | 0.100           | 0       | 96.7           | 90                | 110       |            |           |      |
| Barium     | 0.0969      | 0.0100    | 0.100           | 0       | 96.9           | 90                | 110       |            |           |      |
| Boron      | 0.103       | 0.0300    | 0.100           | 0       | 103            | 90                | 110       |            |           |      |
| Cadmium    | 0.0959      | 0.00100   | 0.100           | 0       | 95.9           | 90                | 110       |            |           |      |
| Chromium   | 0.0975      | 0.00600   | 0.100           | 0       | 97.5           | 90                | 110       |            |           |      |
| Lead       | 0.0992      | 0.00100   | 0.100           | 0       | 99.2           | 90                | 110       |            |           |      |
| Selenium   | 0.0905      | 0.00600   | 0.100           | 0       | 90.5           | 90                | 110       |            |           |      |
| Silver     | 0.0960      | 0.00200   | 0.100           | 0       | 96.0           | 90                | 110       |            |           |      |

|            |             |           |                 |           |                |                   |          |           |            |           |      |
|------------|-------------|-----------|-----------------|-----------|----------------|-------------------|----------|-----------|------------|-----------|------|
| Sample ID: | CCV1-080422 | Batch ID: | R37314          |           | TestNo:        | SW6020            |          |           | Units:     | mg/L      |      |
| SampType:  | CCV         | Run ID:   | ICP-MS2_080422C |           | Analysis Date: | 04/22/08 04:21 PM |          |           | Prep Date: |           |      |
| Analyte    |             | Result    | RL              | SPK value | Ref Val        | %REC              | LowLimit | HighLimit | %RPD       | RPD Limit | Qual |
| Arsenic    |             | 0.199     | 0.00600         | 0.200     | 0              | 99.6              | 90       | 110       |            |           |      |
| Barium     |             | 0.201     | 0.0100          | 0.200     | 0              | 101               | 90       | 110       |            |           |      |
| Boron      |             | 0.219     | 0.0300          | 0.200     | 0              | 110               | 90       | 110       |            |           |      |
| Cadmium    |             | 0.199     | 0.00100         | 0.200     | 0              | 99.7              | 90       | 110       |            |           |      |
| Chromium   |             | 0.196     | 0.00600         | 0.200     | 0              | 98.0              | 90       | 110       |            |           |      |
| Lead       |             | 0.203     | 0.00100         | 0.200     | 0              | 102               | 90       | 110       |            |           |      |
| Selenium   |             | 0.183     | 0.00600         | 0.200     | 0              | 91.4              | 90       | 110       |            |           |      |
| Silver     |             | 0.205     | 0.00200         | 0.200     | 0              | 102               | 90       | 110       |            |           |      |

|            |             |           |                 |                |                   |            |           |      |           |      |
|------------|-------------|-----------|-----------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID: | CCV2-080422 | Batch ID: | R37314          | TestNo:        | SW6020            | Units:     | mg/L      |      |           |      |
| SampType:  | CCV         | Run ID:   | ICP-MS2_080422C | Analysis Date: | 04/22/08 05:18 PM | Prep Date: |           |      |           |      |
| Analyte    | Result      | RL        | SPK value       | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Boron      | 0.193       | 0.0300    | 0.200           | 0              | 96.7              | 90         | 110       |      |           |      |
| Lcad       | 0.203       | 0.00100   | 0.200           | 0              | 101               | 90         | 110       |      |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3\_080421A

|            |          |           |                 |                |                   |            |           |      |           |      |
|------------|----------|-----------|-----------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID: | MB-29959 | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg     |      |           |      |
| SampType:  | MBLK     | Run ID:   | ICP-MS3_080421A | Analysis Date: | 04/21/08 08:04 PM | Prep Date: | 04/21/08  |      |           |      |
| Analyte    | Result   | RL        | SPK value       | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aluminum   | ND       | 12.5      |                 |                |                   |            |           |      |           |      |
| Arsenic    | ND       | 1.00      |                 |                |                   |            |           |      |           |      |
| Barium     | ND       | 2.00      |                 |                |                   |            |           |      |           |      |
| Cadmium    | ND       | 0.300     |                 |                |                   |            |           |      |           |      |
| Chromium   | ND       | 2.00      |                 |                |                   |            |           |      |           |      |
| Cobalt     | ND       | 2.00      |                 |                |                   |            |           |      |           |      |
| Copper     | ND       | 2.00      |                 |                |                   |            |           |      |           |      |
| Iron       | ND       | 12.5      |                 |                |                   |            |           |      |           |      |
| Lead       | ND       | 0.300     |                 |                |                   |            |           |      |           |      |
| Manganese  | ND       | 2.00      |                 |                |                   |            |           |      |           |      |
| Molybdenum | ND       | 2.00      |                 |                |                   |            |           |      |           |      |
| Nickel     | ND       | 2.00      |                 |                |                   |            |           |      |           |      |
| Selenium   | ND       | 0.500     |                 |                |                   |            |           |      |           |      |
| Silver     | ND       | 0.200     |                 |                |                   |            |           |      |           |      |
| Zinc       | ND       | 2.50      |                 |                |                   |            |           |      |           |      |

|            |           |           |                 |         |                |                   |           |            |           |      |
|------------|-----------|-----------|-----------------|---------|----------------|-------------------|-----------|------------|-----------|------|
| Sample ID: | LCS-29959 | Batch ID: | 29959           |         | TestNo:        | SW6020            |           | Units:     | mg/Kg     |      |
| SampType:  | LCS       | Run ID:   | ICP-MS3_080421A |         | Analysis Date: | 04/21/08 08:08 PM |           | Prep Date: | 04/21/08  |      |
| Analyte    | Result    | RL        | SPK value       | Ref Val | %REC           | LowLimit          | HighLimit | %RPD       | RPD Limit | Qual |
| Aluminum   | 246       | 12.5      | 250.0           | 0       | 98.5           | 80                | 120       |            |           |      |
| Arsenic    | 47.1      | 1.00      | 50.00           | 0       | 94.1           | 80                | 120       |            |           |      |
| Barium     | 48.4      | 2.00      | 50.00           | 0       | 96.9           | 80                | 120       |            |           |      |
| Cadmium    | 46.7      | 0.300     | 50.00           | 0       | 93.4           | 80                | 120       |            |           |      |
| Chromium   | 48.6      | 2.00      | 50.00           | 0       | 97.2           | 80                | 120       |            |           |      |
| Cobalt     | 49.4      | 2.00      | 50.00           | 0       | 98.9           | 80                | 120       |            |           |      |
| Copper     | 48.6      | 2.00      | 50.00           | 0       | 97.3           | 80                | 120       |            |           |      |
| Iron       | 281       | 12.5      | 250.0           | 0       | 112            | 80                | 120       |            |           |      |
| Lead       | 48.8      | 0.300     | 50.00           | 0       | 97.6           | 80                | 120       |            |           |      |
| Manganesec | 48.7      | 2.00      | 50.00           | 0       | 97.4           | 80                | 120       |            |           |      |
| Molybdenum | 47.8      | 2.00      | 50.00           | 0       | 95.7           | 80                | 120       |            |           |      |
| Nickel     | 48.5      | 2.00      | 50.00           | 0       | 97.0           | 80                | 120       |            |           |      |
| Selenium   | 45.0      | 0.500     | 50.00           | 0       | 90.0           | 80                | 120       |            |           |      |
| Silver     | 49.4      | 0.200     | 50.00           | 0       | 98.8           | 80                | 120       |            |           |      |
| Zinc       | 44.9      | 2.50      | 50.00           | 0       | 89.8           | 80                | 120       |            |           |      |

|            |            |           |                 |                |                   |            |           |       |           |      |
|------------|------------|-----------|-----------------|----------------|-------------------|------------|-----------|-------|-----------|------|
| Sample ID: | LCSD-29959 | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg     |       |           |      |
| SampType:  | LCSD       | Run ID:   | ICP-MS3_080421A | Analysis Date: | 04/21/08 08:13 PM | Prep Date: | 04/21/08  |       |           |      |
| Analyte    | Result     | RL        | SPK value       | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD  | RPD Limit | Qual |
| Aluminum   | 247        | 12.5      | 250.0           | 0              | 98.6              | 80         | 120       | 0.101 | 25        |      |
| Arsenic    | 46.5       | 1.00      | 50.00           | 0              | 93.0              | 80         | 120       | 1.23  | 25        |      |
| Barium     | 49.4       | 2.00      | 50.00           | 0              | 98.8              | 80         | 120       | 1.94  | 25        |      |
| Cadmium    | 47.0       | 0.300     | 50.00           | 0              | 94.0              | 80         | 120       | 0.640 | 25        |      |
| Chromium   | 49.5       | 2.00      | 50.00           | 0              | 99.0              | 80         | 120       | 1.89  | 25        |      |
| Cobalt     | 49.6       | 2.00      | 50.00           | 0              | 99.2              | 80         | 120       | 0.303 | 25        |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3\_080421A

|            |      |       |       |   |      |    |     |        |    |
|------------|------|-------|-------|---|------|----|-----|--------|----|
| Copper     | 48.9 | 2.00  | 50.00 | 0 | 97.9 | 80 | 120 | 0.564  | 25 |
| Iron       | 270  | 12.5  | 250.0 | 0 | 108  | 80 | 120 | 4.17   | 25 |
| Lead       | 49.2 | 0.300 | 50.00 | 0 | 98.4 | 80 | 120 | 0.765  | 25 |
| Manganese  | 50.0 | 2.00  | 50.00 | 0 | 100  | 80 | 120 | 2.68   | 25 |
| Molybdenum | 48.2 | 2.00  | 50.00 | 0 | 96.5 | 80 | 120 | 0.832  | 25 |
| Nickel     | 48.6 | 2.00  | 50.00 | 0 | 97.1 | 80 | 120 | 0.0515 | 25 |
| Selenium   | 45.5 | 0.500 | 50.00 | 0 | 91.0 | 80 | 120 | 1.22   | 25 |
| Silver     | 49.7 | 0.200 | 50.00 | 0 | 99.4 | 80 | 120 | 0.605  | 25 |
| Zinc       | 45.0 | 2.50  | 50.00 | 0 | 89.9 | 80 | 120 | 0.167  | 25 |

|            |                |           |                 |                |                   |            |           |      |           |      |
|------------|----------------|-----------|-----------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID: | 0804184-01C SD | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg-dry |      |           |      |
| SampType:  | SD             | Run ID:   | ICP-MS3_080421A | Analysis Date: | 04/21/08 08:21 PM | Prep Date: | 04/21/08  |      |           |      |
| Analyte    | Result         | RL        | SPK value       | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aluminum   | 4190           | 65.1      | 0               | 4064           |                   |            |           | 2.97 | 10        |      |
| Arsenic    | 4.29           | 5.21      | 0               | 3.814          |                   |            |           | 11.6 | 10        | R    |
| Barium     | 272            | 10.4      | 0               | 276.4          |                   |            |           | 1.76 | 10        |      |
| Cadmium    | 0              | 1.56      | 0               | 0.1416         |                   |            |           | 0    | 10        |      |
| Chromium   | 3.85           | 10.4      | 0               | 3.686          |                   |            |           | 4.22 | 10        |      |
| Cobalt     | 2.62           | 10.4      | 0               | 2.484          |                   |            |           | 5.49 | 10        |      |
| Copper     | 4.30           | 10.4      | 0               | 4.431          |                   |            |           | 2.89 | 10        |      |
| Iron       | 2580           | 65.1      | 0               | 2501           |                   |            |           | 3.29 | 10        |      |
| Lcad       | 1.99           | 1.56      | 0               | 2.064          |                   |            |           | 3.83 | 10        |      |
| Manganese  | 50.3           | 10.4      | 0               | 48.98          |                   |            |           | 2.60 | 10        |      |
| Molybdenum | 0              | 10.4      | 0               | 0              |                   |            |           | 0    | 10        |      |
| Nickel     | 5.64           | 10.4      | 0               | 5.429          |                   |            |           | 3.81 | 10        |      |
| Selenium   | 0              | 2.61      | 0               | 0.4981         |                   |            |           | 0    | 10        |      |
| Silver     | 0              | 1.04      | 0               | 0              |                   |            |           | 0    | 10        |      |
| Zinc       | 9.22           | 13.0      | 0               | 6.922          |                   |            |           | 28.5 | 10        | R    |

|            |                 |           |                 |           |                |        |                   |           |            |           |          |
|------------|-----------------|-----------|-----------------|-----------|----------------|--------|-------------------|-----------|------------|-----------|----------|
| Sample ID: | 0804184-01C PDS | Batch ID: | 29959           | TestNo:   |                | SW6020 |                   | Units:    |            | mg/Kg-dry |          |
| SampType:  | PDS             | Run ID:   | ICP-MS3_080421A |           | Analysis Date: |        | 04/21/08 08:26 PM |           | Prep Date: |           | 04/21/08 |
| Analyte    |                 | Result    | RL              | SPK value | Ref Val        | %REC   | LowLimit          | HighLimit | %RPD       | RPD Limit | Qual     |
| Aluminum   |                 | 5810      | 13.0            | 1303      | 4064           | 134    | 75                | 125       |            |           | S        |
| Arsenic    |                 | 56.1      | 1.04            | 52.10     | 3.814          | 100    | 75                | 125       |            |           |          |
| Barium     |                 | 369       | 2.08            | 52.10     | 276.4          | 179    | 75                | 125       |            |           | S        |
| Cadmium    |                 | 42.1      | 0.313           | 52.10     | 0.1416         | 80.5   | 75                | 125       |            |           |          |
| Chromium   |                 | 53.3      | 2.08            | 52.10     | 3.686          | 95.3   | 75                | 125       |            |           |          |
| Cobalt     |                 | 55.3      | 2.08            | 52.10     | 2.484          | 101    | 75                | 125       |            |           |          |
| Copper     |                 | 51.2      | 2.08            | 52.10     | 4.431          | 89.7   | 75                | 125       |            |           |          |
| Iron       |                 | 4120      | 13.0            | 1303      | 2501           | 125    | 75                | 125       |            |           |          |
| Lead       |                 | 59.1      | 0.313           | 52.10     | 2.064          | 109    | 75                | 125       |            |           |          |
| Manganese  |                 | 102       | 2.08            | 52.10     | 48.98          | 103    | 75                | 125       |            |           |          |
| Molybdenum |                 | 53.8      | 2.08            | 52.10     | 0              | 103    | 75                | 125       |            |           |          |
| Nickel     |                 | 54.3      | 2.08            | 52.10     | 5.429          | 93.8   | 75                | 125       |            |           |          |
| Selenium   |                 | 39.8      | 0.521           | 52.10     | 0.4981         | 75.4   | 75                | 125       |            |           |          |
| Silver     |                 | 41.9      | 0.208           | 52.10     | 0              | 80.5   | 75                | 125       |            |           |          |
| Zinc       |                 | 46.2      | 2.61            | 52.10     | 6.922          | 75.3   | 75                | 125       |            |           |          |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |



CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3\_080421A

|            |                |           |                 |                |                   |      |          |            |           |           |      |
|------------|----------------|-----------|-----------------|----------------|-------------------|------|----------|------------|-----------|-----------|------|
| Sample ID: | 0804188-03A MS | Batch ID: | 29959           | TestNo:        | SW6020            |      |          | Units:     | mg/Kg-dry |           |      |
| SampType:  | MS             | Run ID:   | ICP-MS3_080421A | Analysis Date: | 04/21/08 08:30 PM |      |          | Prep Date: | 04/21/08  |           |      |
| Analyte    |                | Result    | RL              | SPK value      | Ref Val           | %REC | LowLimit | HighLimit  | %RPD      | RPD Limit | Qual |
| Aluminum   |                | 27500     | 13.8            | 276.8          | 22560             | 1790 | 80       | 120        |           |           | S    |
| Arsenic    |                | 52.8      | 1.11            | 55.37          | 8.585             | 79.9 | 80       | 120        |           |           |      |
| Barium     |                | 134       | 2.21            | 55.37          | 64.41             | 125  | 80       | 120        |           |           | S    |
| Cadmium    |                | 50.1      | 0.332           | 55.37          | 0.1446            | 90.2 | 80       | 120        |           |           |      |
| Chromium   |                | 69.7      | 2.21            | 55.37          | 25.79             | 79.3 | 80       | 120        |           |           | S    |
| Cobalt     |                | 61.3      | 2.21            | 55.37          | 11.06             | 90.8 | 80       | 120        |           |           |      |
| Copper     |                | 64.1      | 2.21            | 55.37          | 16.74             | 85.6 | 80       | 120        |           |           |      |
| Iron       |                | 32000     | 13.8            | 276.8          | 26890             | 1860 | 80       | 120        |           |           | S    |
| Lead       |                | 71.0      | 0.332           | 55.37          | 14.34             | 102  | 80       | 120        |           |           |      |
| Manganese  |                | 281       | 2.21            | 55.37          | 216.9             | 116  | 80       | 120        |           |           |      |
| Molybdenum |                | 50.8      | 2.21            | 55.37          | 0                 | 91.8 | 80       | 120        |           |           |      |
| Nickel     |                | 71.6      | 2.21            | 55.37          | 21.13             | 91.1 | 80       | 120        |           |           |      |
| Selenium   |                | 36.0      | 0.554           | 55.37          | 3.376             | 59.0 | 80       | 120        |           |           | S    |
| Silver     |                | 52.6      | 0.221           | 55.37          | 0                 | 95.1 | 80       | 120        |           |           |      |
| Zinc       |                | 116       | 2.77            | 55.37          | 65.00             | 91.3 | 80       | 120        |           |           |      |

|            |                 |           |                 |         |                |          |                   |       |            |      |           |
|------------|-----------------|-----------|-----------------|---------|----------------|----------|-------------------|-------|------------|------|-----------|
| Sample ID: | 0804188-03A MSD | Batch ID: | 29959           |         | TestNo:        |          | SW6020            |       | Units:     |      | mg/Kg-dry |
| SampType:  | MSD             | Run ID:   | ICP-MS3_080421A |         | Analysis Date: |          | 04/21/08 08:35 PM |       | Prep Date: |      | 04/21/08  |
| Analyte    | Result          | RL        | SPK value       | Ref Val | %REC           | LowLimit | HighLimit         | %RPD  | RPD Limit  | Qual |           |
| Aluminum   | 25700           | 13.3      | 265.0           | 22560   | 1170           | 80       | 120               | 6.90  | 25         | S    |           |
| Arsenic    | 53.3            | 1.06      | 53.00           | 8.585   | 84.4           | 80       | 120               | 0.940 | 25         |      |           |
| Barium     | 197             | 2.12      | 53.00           | 64.41   | 250            | 80       | 120               | 38.2  | 25         | SR   |           |
| Cadmium    | 48.4            | 0.318     | 53.00           | 0.1446  | 91.1           | 80       | 120               | 3.38  | 25         |      |           |
| Chromium   | 65.8            | 2.12      | 53.00           | 25.79   | 75.5           | 80       | 120               | 5.69  | 25         | S    |           |
| Cobalt     | 60.0            | 2.12      | 53.00           | 11.06   | 92.3           | 80       | 120               | 2.22  | 25         |      |           |
| Copper     | 62.4            | 2.12      | 53.00           | 16.74   | 86.2           | 80       | 120               | 2.70  | 25         |      |           |
| Iron       | 31500           | 13.3      | 265.0           | 26890   | 1720           | 80       | 120               | 1.81  | 25         | S    |           |
| Lead       | 68.7            | 0.318     | 53.00           | 14.34   | 103            | 80       | 120               | 3.24  | 25         |      |           |
| Manganese  | 309             | 2.12      | 53.00           | 216.9   | 173            | 80       | 120               | 9.31  | 25         | S    |           |
| Molybdenum | 49.3            | 2.12      | 53.00           | 0       | 93.0           | 80       | 120               | 3.12  | 25         |      |           |
| Nickel     | 68.3            | 2.12      | 53.00           | 21.13   | 89.0           | 80       | 120               | 4.72  | 25         |      |           |
| Selenium   | 33.3            | 0.530     | 53.00           | 3.376   | 56.4           | 80       | 120               | 8.04  | 25         | S    |           |
| Silver     | 50.5            | 0.212     | 53.00           | 0       | 95.4           | 80       | 120               | 4.05  | 25         |      |           |
| Zinc       | 111             | 2.65      | 53.00           | 65.00   | 87.3           | 80       | 120               | 3.82  | 25         |      |           |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3\_080421A

|            |             |           |                 |                |                   |            |           |      |           |      |
|------------|-------------|-----------|-----------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID: | ICV1-080421 | Batch ID: | R37275          | TestNo:        | SW6020            | Units:     | mg/L      |      |           |      |
| SampType:  | ICV         | Run ID:   | ICP-MS3_080421A | Analysis Date: | 04/21/08 01:07 PM | Prep Date: |           |      |           |      |
| Analyte    | Result      | RL        | SPK value       | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aluminum   | 2.53        | 0.0300    | 2.50            | 0              | 101               | 90         | 110       |      |           |      |
| Arsenic    | 0.101       | 0.00600   | 0.100           | 0              | 101               | 90         | 110       |      |           |      |
| Barium     | 0.0975      | 0.0100    | 0.100           | 0              | 97.5              | 90         | 110       |      |           |      |
| Cadmium    | 0.0979      | 0.00100   | 0.100           | 0              | 97.9              | 90         | 110       |      |           |      |
| Chromium   | 0.101       | 0.00600   | 0.100           | 0              | 101               | 90         | 110       |      |           |      |
| Cobalt     | 0.101       | 0.0100    | 0.100           | 0              | 101               | 90         | 110       |      |           |      |
| Copper     | 0.101       | 0.0100    | 0.100           | 0              | 101               | 90         | 110       |      |           |      |
| Iron       | 2.62        | 0.100     | 2.50            | 0              | 105               | 90         | 110       |      |           |      |
| Lead       | 0.0990      | 0.00100   | 0.100           | 0              | 99.0              | 90         | 110       |      |           |      |
| Manganese  | 0.0994      | 0.0100    | 0.100           | 0              | 99.4              | 90         | 110       |      |           |      |
| Molybdenum | 0.0969      | 0.00600   | 0.100           | 0              | 96.9              | 90         | 110       |      |           |      |
| Nickel     | 0.100       | 0.0100    | 0.100           | 0              | 100               | 90         | 110       |      |           |      |
| Selenium   | 0.0990      | 0.00600   | 0.100           | 0              | 99.0              | 90         | 110       |      |           |      |
| Silver     | 0.0986      | 0.00200   | 0.100           | 0              | 98.6              | 90         | 110       |      |           |      |
| Zinc       | 0.103       | 0.00500   | 0.100           | 0              | 103               | 90         | 110       |      |           |      |

|            |             |           |                 |                |                   |            |           |      |           |      |
|------------|-------------|-----------|-----------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID: | CCV4-080421 | Batch ID: | R37275          | TestNo:        | SW6020            | Units:     | mg/L      |      |           |      |
| SampType:  | CCV         | Run ID:   | ICP-MS3_080421A | Analysis Date: | 04/21/08 07:41 PM | Prep Date: |           |      |           |      |
| Analyte    | Result      | RL        | SPK value       | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aluminum   | 4.92        | 0.0300    | 5.00            | 0              | 98.4              | 90         | 110       |      |           |      |
| Arsenic    | 0.197       | 0.00600   | 0.200           | 0              | 98.6              | 90         | 110       |      |           |      |
| Barium     | 0.194       | 0.0100    | 0.200           | 0              | 96.9              | 90         | 110       |      |           |      |
| Cadmium    | 0.194       | 0.00100   | 0.200           | 0              | 97.2              | 90         | 110       |      |           |      |
| Chromium   | 0.192       | 0.00600   | 0.200           | 0              | 96.2              | 90         | 110       |      |           |      |
| Cobalt     | 0.193       | 0.0100    | 0.200           | 0              | 96.6              | 90         | 110       |      |           |      |
| Copper     | 0.191       | 0.0100    | 0.200           | 0              | 95.3              | 90         | 110       |      |           |      |
| Iron       | 4.87        | 0.100     | 5.00            | 0              | 97.4              | 90         | 110       |      |           |      |
| Lead       | 0.192       | 0.00100   | 0.200           | 0              | 96.2              | 90         | 110       |      |           |      |
| Manganese  | 0.190       | 0.0100    | 0.200           | 0              | 95.2              | 90         | 110       |      |           |      |
| Molybdenum | 0.190       | 0.00600   | 0.200           | 0              | 95.1              | 90         | 110       |      |           |      |
| Nickel     | 0.190       | 0.0100    | 0.200           | 0              | 94.8              | 90         | 110       |      |           |      |
| Selenium   | 0.201       | 0.00600   | 0.200           | 0              | 100               | 90         | 110       |      |           |      |
| Silver     | 0.196       | 0.00200   | 0.200           | 0              | 98.1              | 90         | 110       |      |           |      |
| Zinc       | 0.192       | 0.00500   | 0.200           | 0              | 96.2              | 90         | 110       |      |           |      |

|            |             |           |                 |         |                |                   |           |            |           |      |
|------------|-------------|-----------|-----------------|---------|----------------|-------------------|-----------|------------|-----------|------|
| Sample ID: | CCV5-080421 | Batch ID: | R37275          |         | TestNo:        | SW6020            |           | Units:     | mg/L      |      |
| SampType:  | CCV         | Run ID:   | ICP-MS3_080421A |         | Analysis Date: | 04/21/08 09:01 PM |           | Prep Date: |           |      |
| Analyte    | Result      | RL        | SPK value       | Ref Val | %REC           | LowLimit          | HighLimit | %RPD       | RPD Limit | Qual |
| Aluminum   | 4.85        | 0.0300    | 5.00            | 0       | 97.0           | 90                | 110       |            |           |      |
| Arsenic    | 0.198       | 0.00600   | 0.200           | 0       | 98.8           | 90                | 110       |            |           |      |
| Barium     | 0.194       | 0.0100    | 0.200           | 0       | 96.8           | 90                | 110       |            |           |      |
| Cadmium    | 0.196       | 0.00100   | 0.200           | 0       | 98.2           | 90                | 110       |            |           |      |
| Chromium   | 0.190       | 0.00600   | 0.200           | 0       | 94.9           | 90                | 110       |            |           |      |
| Cobalt     | 0.187       | 0.0100    | 0.200           | 0       | 93.4           | 90                | 110       |            |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3\_080421A

|            |       |         |       |   |      |    |     |
|------------|-------|---------|-------|---|------|----|-----|
| Copper     | 0.182 | 0.0100  | 0.200 | 0 | 91.0 | 90 | 110 |
| Iron       | 4.68  | 0.100   | 5.00  | 0 | 93.6 | 90 | 110 |
| Lead       | 0.193 | 0.00100 | 0.200 | 0 | 96.7 | 90 | 110 |
| Manganese  | 0.190 | 0.0100  | 0.200 | 0 | 95.0 | 90 | 110 |
| Molybdenum | 0.194 | 0.00600 | 0.200 | 0 | 96.8 | 90 | 110 |
| Nickel     | 0.182 | 0.0100  | 0.200 | 0 | 91.2 | 90 | 110 |
| Selenium   | 0.214 | 0.00600 | 0.200 | 0 | 107  | 90 | 110 |
| Silver     | 0.196 | 0.00200 | 0.200 | 0 | 97.9 | 90 | 110 |
| Zinc       | 0.192 | 0.00500 | 0.200 | 0 | 95.8 | 90 | 110 |

|            |             |           |                 |         |                |                   |           |            |           |      |
|------------|-------------|-----------|-----------------|---------|----------------|-------------------|-----------|------------|-----------|------|
| Sample ID: | CCV6-080421 | Batch ID: | R37275          |         | TestNo:        | SW6020            |           | Units:     | mg/L      |      |
| SampType:  | CCV         | Run ID:   | ICP-MS3_080421A |         | Analysis Date: | 04/21/08 10:16 PM |           | Prep Date: |           |      |
| Analyte    | Result      | RL        | SPK value       | Ref Val | %REC           | LowLimit          | HighLimit | %RPD       | RPD Limit | Qual |
| Aluminum   | 4.84        | 0.0300    | 5.00            | 0       | 96.7           | 90                | 110       |            |           |      |
| Arsenic    | 0.201       | 0.00600   | 0.200           | 0       | 101            | 90                | 110       |            |           |      |
| Barium     | 0.188       | 0.0100    | 0.200           | 0       | 94.1           | 90                | 110       |            |           |      |
| Cadmium    | 0.193       | 0.00100   | 0.200           | 0       | 96.5           | 90                | 110       |            |           |      |
| Chromium   | 0.188       | 0.00600   | 0.200           | 0       | 94.2           | 90                | 110       |            |           |      |
| Cobalt     | 0.187       | 0.0100    | 0.200           | 0       | 93.6           | 90                | 110       |            |           |      |
| Copper     | 0.181       | 0.0100    | 0.200           | 0       | 90.6           | 90                | 110       |            |           |      |
| Iron       | 4.67        | 0.100     | 5.00            | 0       | 93.4           | 90                | 110       |            |           |      |
| Lead       | 0.192       | 0.00100   | 0.200           | 0       | 95.9           | 90                | 110       |            |           |      |
| Manganese  | 0.190       | 0.0100    | 0.200           | 0       | 94.8           | 90                | 110       |            |           |      |
| Molybdenum | 0.195       | 0.00600   | 0.200           | 0       | 97.6           | 90                | 110       |            |           |      |
| Nickel     | 0.182       | 0.0100    | 0.200           | 0       | 91.1           | 90                | 110       |            |           |      |
| Selenium   | 0.211       | 0.00600   | 0.200           | 0       | 105            | 90                | 110       |            |           |      |
| Silver     | 0.196       | 0.00200   | 0.200           | 0       | 97.9           | 90                | 110       |            |           |      |
| Zinc       | 0.192       | 0.00500   | 0.200           | 0       | 95.8           | 90                | 110       |            |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3\_080422A

|            |                 |           |                 |                |                   |            |           |           |      |           |      |
|------------|-----------------|-----------|-----------------|----------------|-------------------|------------|-----------|-----------|------|-----------|------|
| Sample ID: | MB-29959        | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg     |           |      |           |      |
| SampType:  | MBLK            | Run ID:   | ICP-MS3_080422A | Analysis Date: | 04/22/08 01:32 PM | Prep Date: | 04/21/08  |           |      |           |      |
| Analyte    |                 | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit | Qual |
| Boron      |                 | ND        | 7.50            |                |                   |            |           |           |      |           |      |
|            |                 |           |                 |                |                   |            |           |           |      |           |      |
| Sample ID: | LCS-29959       | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg     |           |      |           |      |
| SampType:  | LCS             | Run ID:   | ICP-MS3_080422A | Analysis Date: | 04/22/08 01:45 PM | Prep Date: | 04/21/08  |           |      |           |      |
| Analyte    |                 | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit | Qual |
| Boron      |                 | 50.7      | 7.50            | 50.00          | 0                 | 101        | 80        | 120       |      |           |      |
|            |                 |           |                 |                |                   |            |           |           |      |           |      |
| Sample ID: | LCSD-29959      | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg     |           |      |           |      |
| SampType:  | LCSD            | Run ID:   | ICP-MS3_080422A | Analysis Date: | 04/22/08 01:50 PM | Prep Date: | 04/21/08  |           |      |           |      |
| Analyte    |                 | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit | Qual |
| Boron      |                 | 52.0      | 7.50            | 50.00          | 0                 | 104        | 80        | 120       | 2.58 | 25        |      |
|            |                 |           |                 |                |                   |            |           |           |      |           |      |
| Sample ID: | 0804184-01C SD  | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg-dry |           |      |           |      |
| SampType:  | SD              | Run ID:   | ICP-MS3_080422A | Analysis Date: | 04/22/08 01:58 PM | Prep Date: | 04/21/08  |           |      |           |      |
| Analyte    |                 | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit | Qual |
| Boron      |                 | 0         | 39.1            | 0              | 10.24             |            |           |           | 0    | 10        |      |
|            |                 |           |                 |                |                   |            |           |           |      |           |      |
| Sample ID: | 0804184-01C PDS | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg-dry |           |      |           |      |
| SampType:  | PDS             | Run ID:   | ICP-MS3_080422A | Analysis Date: | 04/22/08 02:03 PM | Prep Date: | 04/21/08  |           |      |           |      |
| Analyte    |                 | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit | Qual |
| Boron      |                 | 55.8      | 7.82            | 52.10          | 10.24             | 87.5       | 75        | 125       |      |           |      |
|            |                 |           |                 |                |                   |            |           |           |      |           |      |
| Sample ID: | 0804184-01C MS  | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg-dry |           |      |           |      |
| SampType:  | MS              | Run ID:   | ICP-MS3_080422A | Analysis Date: | 04/22/08 02:07 PM | Prep Date: | 04/21/08  |           |      |           |      |
| Analyte    |                 | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit | Qual |
| Boron      |                 | 44.0      | 7.89            | 52.60          | 10.24             | 64.2       | 80        | 120       |      |           | S    |
|            |                 |           |                 |                |                   |            |           |           |      |           |      |
| Sample ID: | 0804184-01C MSD | Batch ID: | 29959           | TestNo:        | SW6020            | Units:     | mg/Kg-dry |           |      |           |      |
| SampType:  | MSD             | Run ID:   | ICP-MS3_080422A | Analysis Date: | 04/22/08 02:11 PM | Prep Date: | 04/21/08  |           |      |           |      |
| Analyte    |                 | Result    | RL              | SPK value      | Ref Val           | %REC       | LowLimit  | HighLimit | %RPD | RPD Limit | Qual |
| Boron      |                 | 47.2      | 8.12            | 54.15          | 10.24             | 68.3       | 80        | 120       | 7.05 | 25        | S    |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3\_080422A

|            |             |           |                 |                |                   |            |           |      |           |      |
|------------|-------------|-----------|-----------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID: | ICV1-080422 | Batch ID: | R37304          | TestNo:        | SW6020            | Units:     | mg/L      |      |           |      |
| SampType:  | ICV         | Run ID:   | ICP-MS3_080422A | Analysis Date: | 04/22/08 01:18 PM | Prep Date: |           |      |           |      |
| Analyte    | Result      | RL        | SPK value       | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aluminum   | 2.43        | 0.0300    | 2.50            | 0              | 97.4              | 90         | 110       |      |           |      |
| Arsenic    | 0.0974      | 0.00600   | 0.100           | 0              | 97.4              | 90         | 110       |      |           |      |
| Barium     | 0.0938      | 0.0100    | 0.100           | 0              | 93.8              | 90         | 110       |      |           |      |
| Boron      | 0.0972      | 0.0300    | 0.100           | 0              | 97.2              | 90         | 110       |      |           |      |
| Cadmium    | 0.0930      | 0.00100   | 0.100           | 0              | 93.0              | 90         | 110       |      |           |      |
| Chromium   | 0.0975      | 0.00600   | 0.100           | 0              | 97.5              | 90         | 110       |      |           |      |
| Copper     | 0.0975      | 0.0100    | 0.100           | 0              | 97.5              | 90         | 110       |      |           |      |
| Iron       | 2.52        | 0.100     | 2.50            | 0              | 101               | 90         | 110       |      |           |      |
| Lead       | 0.0956      | 0.00100   | 0.100           | 0              | 95.6              | 90         | 110       |      |           |      |
| Manganese  | 0.0953      | 0.0100    | 0.100           | 0              | 95.3              | 90         | 110       |      |           |      |
| Molybdenum | 0.0931      | 0.00600   | 0.100           | 0              | 93.1              | 90         | 110       |      |           |      |
| Nickel     | 0.0964      | 0.0100    | 0.100           | 0              | 96.4              | 90         | 110       |      |           |      |
| Selenium   | 0.0958      | 0.00600   | 0.100           | 0              | 95.8              | 90         | 110       |      |           |      |
| Silver     | 0.0956      | 0.00200   | 0.100           | 0              | 95.6              | 90         | 110       |      |           |      |
| Zinc       | 0.0969      | 0.00500   | 0.100           | 0              | 96.9              | 90         | 110       |      |           |      |

|            |             |           |                 |                |                   |            |           |      |           |      |
|------------|-------------|-----------|-----------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID: | CCV1-080422 | Batch ID: | R37304          | TestNo:        | SW6020            | Units:     | mg/L      |      |           |      |
| SampType:  | CCV         | Run ID:   | ICP-MS3_080422A | Analysis Date: | 04/22/08 02:29 PM | Prep Date: |           |      |           |      |
| Analyte    | Result      | RL        | SPK value       | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aluminum   | 5.14        | 0.0300    | 5.00            | 0              | 103               | 90         | 110       |      |           |      |
| Barium     | 0.199       | 0.0100    | 0.200           | 0              | 99.6              | 90         | 110       |      |           |      |
| Boron      | 0.183       | 0.0300    | 0.200           | 0              | 91.6              | 90         | 110       |      |           |      |
| Iron       | 4.89        | 0.100     | 5.00            | 0              | 97.8              | 90         | 110       |      |           |      |

|            |             |           |                 |                |                   |            |           |      |           |      |
|------------|-------------|-----------|-----------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID: | CCV2-080422 | Batch ID: | R37304          | TestNo:        | SW6020            | Units:     | mg/L      |      |           |      |
| SampType:  | CCV         | Run ID:   | ICP-MS3_080422A | Analysis Date: | 04/22/08 04:33 PM | Prep Date: |           |      |           |      |
| Analyte    | Result      | RL        | SPK value       | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Aluminum   | 5.06        | 0.0300    | 5.00            | 0              | 101               | 90         | 110       |      |           |      |
| Arsenic    | 0.201       | 0.00600   | 0.200           | 0              | 101               | 90         | 110       |      |           |      |
| Barium     | 0.192       | 0.0100    | 0.200           | 0              | 95.8              | 90         | 110       |      |           |      |
| Cadmium    | 0.193       | 0.00100   | 0.200           | 0              | 96.7              | 90         | 110       |      |           |      |
| Chromium   | 0.190       | 0.00600   | 0.200           | 0              | 94.8              | 90         | 110       |      |           |      |
| Copper     | 0.183       | 0.0100    | 0.200           | 0              | 91.4              | 90         | 110       |      |           |      |
| Iron       | 4.78        | 0.100     | 5.00            | 0              | 95.7              | 90         | 110       |      |           |      |
| Lead       | 0.196       | 0.00100   | 0.200           | 0              | 98.2              | 90         | 110       |      |           |      |
| Manganese  | 0.197       | 0.0100    | 0.200           | 0              | 98.4              | 90         | 110       |      |           |      |
| Molybdenum | 0.201       | 0.00600   | 0.200           | 0              | 100               | 90         | 110       |      |           |      |
| Nickel     | 0.183       | 0.0100    | 0.200           | 0              | 91.6              | 90         | 110       |      |           |      |
| Selenium   | 0.216       | 0.00600   | 0.200           | 0              | 108               | 90         | 110       |      |           |      |
| Silver     | 0.200       | 0.00200   | 0.200           | 0              | 99.8              | 90         | 110       |      |           |      |
| Zinc       | 0.192       | 0.00500   | 0.200           | 0              | 95.8              | 90         | 110       |      |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3\_080421A

|                            |           |           |               |                |                   |            |           |      |           |      |
|----------------------------|-----------|-----------|---------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                 | LCS-29969 | Batch ID: | 29969         | TestNo:        | SW8270C           | Units:     | mg/Kg     |      |           |      |
| SampType:                  | LCS       | Run ID:   | GCMS3_080421A | Analysis Date: | 04/21/08 05:52 PM | Prep Date: | 04/21/08  |      |           |      |
| Analyte                    | Result    | RL        | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| 1-Methylnaphthalene        | 0.987     | 0.133     | 1.340         | 0              | 73.6              | 40         | 125       |      |           | N    |
| 2,3,4,6-Tetrachlorophenol  | 0.920     | 0.133     | 1.340         | 0              | 68.7              | 40         | 125       |      |           | N    |
| 2,4,5-Trichlorophenol      | 0.967     | 0.133     | 1.340         | 0              | 72.1              | 49         | 125       |      |           |      |
| 2,4,6-Trichlorophenol      | 0.960     | 0.133     | 1.340         | 0              | 71.6              | 43         | 125       |      |           |      |
| 2,4-Dichlorophenol         | 0.887     | 0.133     | 1.340         | 0              | 66.2              | 45         | 125       |      |           |      |
| 2,4-Dimethylphenol         | 0.960     | 0.133     | 1.340         | 0              | 71.6              | 32         | 125       |      |           |      |
| 2,4-Dinitrophenol          | 1.21      | 0.660     | 1.340         | 0              | 90.0              | 25         | 132       |      |           |      |
| 2,6-Dichlorophenol         | 0.860     | 0.133     | 1.340         | 0              | 64.2              | 38         | 125       |      |           |      |
| 2-Methylnaphthalene        | 0.920     | 0.133     | 1.340         | 0              | 68.7              | 47         | 125       |      |           |      |
| 2-Methylphenol             | 0.853     | 0.133     | 1.340         | 0              | 63.7              | 40         | 125       |      |           |      |
| 2-Nitrophenol              | 0.973     | 0.133     | 1.340         | 0              | 72.6              | 42         | 125       |      |           |      |
| 4,6-Dinitro-2-methylphenol | 1.08      | 0.330     | 1.340         | 0              | 80.6              | 29         | 137       |      |           |      |
| 4-Chloro-3-methylphenol    | 0.853     | 0.133     | 1.340         | 0              | 63.7              | 46         | 125       |      |           |      |
| 4-Methylphenol             | 0.860     | 0.133     | 1.340         | 0              | 64.2              | 41         | 125       |      |           |      |
| 4-Nitrophenol              | 0.847     | 0.660     | 1.340         | 0              | 63.2              | 25         | 138       |      |           |      |
| Pentachlorophenol          | 0.740     | 0.133     | 1.340         | 0              | 55.2              | 25         | 125       |      |           |      |
| Phenol                     | 0.860     | 0.133     | 1.340         | 0              | 64.2              | 25         | 125       |      |           |      |
| Surr: 2,4,6-Tribromophenol | 2.72      |           | 2.680         |                | 101               | 45         | 138       |      |           |      |
| Surr: 2-Fluorobiphenyl     | 2.21      |           | 2.680         |                | 82.6              | 60         | 135       |      |           |      |
| Surr: 2-Fluorophenol       | 2.13      |           | 2.680         |                | 79.4              | 37         | 125       |      |           |      |
| Surr: 4-Tcrphenyl-d14      | 2.58      |           | 2.680         |                | 96.3              | 60         | 129       |      |           |      |
| Surr: Nitrobenzene-d5      | 1.99      |           | 2.680         |                | 74.1              | 45         | 125       |      |           |      |
| Surr: Phenol-d6            | 2.21      |           | 2.680         |                | 82.3              | 40         | 125       |      |           |      |

|                            |                |           |               |                |                   |          |           |            |           |      |
|----------------------------|----------------|-----------|---------------|----------------|-------------------|----------|-----------|------------|-----------|------|
| Sample ID:                 | 0804184-01B-MS | Batch ID: | 29969         | TestNo:        | SW8270C           |          |           | Units:     | mg/Kg-dry |      |
| SampType:                  | MS             | Run ID:   | GCMS3_080421A | Analysis Date: | 04/21/08 07:22 PM |          |           | Prep Date: | 04/21/08  |      |
| Analyte                    | Result         | RL        | SPK value     | Ref Val        | %REC              | LowLimit | HighLimit | %RPD       | RPD Limit | Qual |
| 1-Methylnaphthalene        | 0.969          | 0.139     | 1.402         | 0              | 69.2              | 40       | 125       |            |           | N    |
| 2,3,4,6-Tetrachlorophenol  | 0.879          | 0.139     | 1.402         | 0              | 62.7              | 40       | 125       |            |           | N    |
| 2,4,5-Trichlorophenol      | 0.990          | 0.139     | 1.402         | 0              | 70.6              | 49       | 125       |            |           |      |
| 2,4,6-Trichlorophenol      | 0.969          | 0.139     | 1.402         | 0              | 69.2              | 43       | 125       |            |           |      |
| 2,4-Dichlorophenol         | 0.900          | 0.139     | 1.402         | 0              | 64.2              | 45       | 125       |            |           |      |
| 2,4-Dimethylphenol         | 0.635          | 0.139     | 1.402         | 0              | 45.3              | 32       | 125       |            |           |      |
| 2,4-Dinitrophenol          | 1.28           | 0.690     | 1.402         | 0              | 91.0              | 25       | 132       |            |           |      |
| 2,6-Dichlorophenol         | 0.886          | 0.139     | 1.402         | 0              | 63.2              | 38       | 125       |            |           |      |
| 2-Methylnaphthalene        | 0.907          | 0.139     | 1.402         | 0              | 64.7              | 47       | 125       |            |           |      |
| 2-Methylphenol             | 0.823          | 0.139     | 1.402         | 0              | 58.7              | 40       | 125       |            |           |      |
| 2-Nitrophenol              | 1.03           | 0.139     | 1.402         | 0              | 73.1              | 42       | 125       |            |           |      |
| 4,6-Dinitro-2-methylphenol | 1.14           | 0.345     | 1.402         | 0              | 81.6              | 29       | 137       |            |           |      |
| 4-Chloro-3-methylphenol    | 0.844          | 0.139     | 1.402         | 0              | 60.2              | 46       | 125       |            |           |      |
| 4-Methylphenol             | 0.809          | 0.139     | 1.402         | 0              | 57.7              | 41       | 125       |            |           |      |
| 4-Nitrophenol              | 0.907          | 0.690     | 1.402         | 0              | 64.7              | 25       | 138       |            |           |      |
| Pentachlorophenol          | 0.586          | 0.139     | 1.402         | 0              | 41.8              | 25       | 125       |            |           |      |
| Phenol                     | 0.886          | 0.139     | 1.402         | 0              | 63.2              | 25       | 125       |            |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3\_080421A

|                            |      |       |      |    |     |  |  |  |  |  |  |
|----------------------------|------|-------|------|----|-----|--|--|--|--|--|--|
| Surr: 2,4,6-Tribromophenol | 2.63 | 2.803 | 93.8 | 45 | 138 |  |  |  |  |  |  |
| Surr: 2-Fluorobiphenyl     | 2.19 | 2.803 | 78.1 | 60 | 135 |  |  |  |  |  |  |
| Surr: 2-Fluorophenol       | 2.13 | 2.803 | 76.1 | 37 | 125 |  |  |  |  |  |  |
| Surr: 4-Terphenyl-d14      | 2.25 | 2.803 | 80.3 | 60 | 129 |  |  |  |  |  |  |
| Surr: Nitrobenzenc-d5      | 2.04 | 2.803 | 72.6 | 45 | 125 |  |  |  |  |  |  |
| Surr: Phenol-d6            | 2.19 | 2.803 | 78.1 | 40 | 125 |  |  |  |  |  |  |

|                            |                 |           |               |                |                   |            |           |      |           |      |
|----------------------------|-----------------|-----------|---------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                 | 0804184-01B-MSD | Batch ID: | 29969         | TestNo:        | SW8270C           | Units:     | mg/Kg-dry |      |           |      |
| SampType:                  | MSD             | Run ID:   | GCMS3_080421A | Analysis Date: | 04/21/08 07:44 PM | Prep Date: | 04/21/08  |      |           |      |
| Analyte                    | Result          | RL        | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| 1-Methylnaphthalene        | 1.17            | 0.144     | 1.455         | 0              | 80.1              | 40         | 125       | 18.4 | 30        | N    |
| 2,3,4,6-Tetrachlorophenol  | 1.05            | 0.144     | 1.455         | 0              | 72.1              | 40         | 125       | 17.7 | 30        | N    |
| 2,4,5-Trichlorophenol      | 1.14            | 0.144     | 1.455         | 0              | 78.6              | 49         | 125       | 14.4 | 30        |      |
| 2,4,6-Trichlorophenol      | 1.14            | 0.144     | 1.455         | 0              | 78.1              | 43         | 125       | 15.9 | 30        |      |
| 2,4-Dichlorophenol         | 1.02            | 0.144     | 1.455         | 0              | 70.1              | 45         | 125       | 12.6 | 30        |      |
| 2,4-Dimethylphenol         | 0.832           | 0.144     | 1.455         | 0              | 57.2              | 32         | 125       | 27.0 | 30        |      |
| 2,4-Dinitrophenol          | 1.50            | 0.717     | 1.455         | 0              | 103               | 25         | 132       | 16.0 | 30        |      |
| 2,6-Dichlorophenol         | 1.04            | 0.144     | 1.455         | 0              | 71.1              | 38         | 125       | 15.6 | 30        |      |
| 2-Methylnaphthalene        | 1.09            | 0.144     | 1.455         | 0              | 75.1              | 47         | 125       | 18.7 | 30        |      |
| 2-Methylphenol             | 0.977           | 0.144     | 1.455         | 0              | 67.2              | 40         | 125       | 17.1 | 30        |      |
| 2-Nitrophenol              | 1.16            | 0.144     | 1.455         | 0              | 79.6              | 42         | 125       | 12.2 | 30        |      |
| 4,6-Dinitro-2-methylphenol | 1.38            | 0.358     | 1.455         | 0              | 95.0              | 29         | 137       | 18.9 | 30        |      |
| 4-Chloro-3-methylphenol    | 1.01            | 0.144     | 1.455         | 0              | 69.2              | 46         | 125       | 17.6 | 30        |      |
| 4-Methylphenol             | 0.970           | 0.144     | 1.455         | 0              | 66.7              | 41         | 125       | 18.1 | 30        |      |
| 4-Nitrophenol              | 1.08            | 0.717     | 1.455         | 0              | 74.1              | 25         | 138       | 17.3 | 30        |      |
| Pentachlorophenol          | 0.688           | 0.144     | 1.455         | 0              | 47.3              | 25         | 125       | 16.0 | 30        |      |
| Phenol                     | 1.01            | 0.144     | 1.455         | 0              | 69.2              | 25         | 125       | 12.7 | 30        |      |
| Surr: 2,4,6-Tribromophenol | 3.18            |           | 2.910         |                | 109               | 45         | 138       | 0    | 0         |      |
| Surr: 2-Fluorobiphenyl     | 2.52            |           | 2.910         |                | 86.6              | 60         | 135       | 0    | 0         |      |
| Surr: 2-Fluorophenol       | 2.45            |           | 2.910         |                | 84.1              | 37         | 125       | 0    | 0         |      |
| Surr: 4-Terphenyl-d14      | 2.87            |           | 2.910         |                | 98.8              | 60         | 129       | 0    | 0         |      |
| Surr: Nitrobenzene-d5      | 2.38            |           | 2.910         |                | 81.8              | 45         | 125       | 0    | 0         |      |
| Surr: Phenol-d6            | 2.51            |           | 2.910         |                | 86.3              | 40         | 125       | 0    | 0         |      |

|                           |          |           |               |                |                   |            |           |      |           |      |
|---------------------------|----------|-----------|---------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                | MB-29969 | Batch ID: | 29969         | TestNo:        | SW8270C           | Units:     | mg/Kg     |      |           |      |
| SampType:                 | MBLK     | Run ID:   | GCMS3_080421A | Analysis Date: | 04/21/08 08:29 PM | Prep Date: | 04/21/08  |      |           |      |
| Analyte                   | Result   | RL        | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| 1-Methylnaphthalene       | ND       | 0.133     |               |                |                   |            |           |      |           | N    |
| 2,3,4,6-Tetrachlorophenol | ND       | 0.133     |               |                |                   |            |           |      |           | N    |
| 2,4,5-Trichlorophenol     | ND       | 0.133     |               |                |                   |            |           |      |           |      |
| 2,4,6-Trichlorophenol     | ND       | 0.133     |               |                |                   |            |           |      |           |      |
| 2,4-Dichlorophenol        | ND       | 0.133     |               |                |                   |            |           |      |           |      |
| 2,4-Dimethylphenol        | ND       | 0.133     |               |                |                   |            |           |      |           |      |
| 2,4-Dinitrophenol         | ND       | 0.660     |               |                |                   |            |           |      |           |      |
| 2,6-Dichlorophenol        | ND       | 0.133     |               |                |                   |            |           |      |           |      |
| 2-Methylnaphthalene       | ND       | 0.133     |               |                |                   |            |           |      |           |      |
| 2-Methylphenol            | ND       | 0.133     |               |                |                   |            |           |      |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
Work Order: 0804184  
Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3\_080421A

|                            |      |       |      |    |     |
|----------------------------|------|-------|------|----|-----|
| 2-Nitrophenol              | ND   | 0.133 |      |    |     |
| 4,6-Dinitro-2-methylphenol | ND   | 0.330 |      |    |     |
| 4-Chloro-3-methylphenol    | ND   | 0.133 |      |    |     |
| 4-Methylphenol             | ND   | 0.133 |      |    |     |
| 4-Nitrophenol              | ND   | 0.660 |      |    |     |
| Pentachlorophenol          | ND   | 0.133 |      |    |     |
| Phenol                     | ND   | 0.133 |      |    |     |
| Surr: 2,4,6-Tribromophenol | 2.69 | 2.680 | 100  | 45 | 138 |
| Surr: 2-Fluorobiphenyl     | 2.13 | 2.680 | 79.6 | 60 | 135 |
| Surr: 2-Fluorophenol       | 2.11 | 2.680 | 78.6 | 37 | 125 |
| Surr: 4-Terphenyl-d14      | 2.52 | 2.680 | 94.0 | 60 | 129 |
| Surr: Nitrobenzene-d5      | 1.99 | 2.680 | 74.1 | 45 | 125 |
| Surr: Phenol-d6            | 2.11 | 2.680 | 78.9 | 40 | 125 |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |



CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3\_080421A

|                            |            |           |               |                |                   |            |           |      |           |      |
|----------------------------|------------|-----------|---------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                 | ICV-080421 | Batch ID: | R37306        | TestNo:        | SW8270C           | Units:     | mg/Kg     |      |           |      |
| SampType:                  | ICV        | Run ID:   | GCMS3_080421A | Analysis Date: | 04/21/08 04:45 PM | Prep Date: |           |      |           |      |
| Analyte                    | Result     | RL        | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| 1-Methylnaphthalene        | 3.63       | 0.133     | 4.000         | 0              | 90.8              | 70         | 130       |      |           | N    |
| 2,3,4,6-Tetrachlorophenol  | 3.69       | 0.133     | 4.000         | 0              | 92.2              | 70         | 130       |      |           | N    |
| 2,4,5-Trichlorophenol      | 3.90       | 0.133     | 4.000         | 0              | 97.5              | 70         | 130       |      |           |      |
| 2,4,6-Trichlorophenol      | 4.01       | 0.133     | 4.000         | 0              | 100               | 80         | 120       |      |           |      |
| 2,4-Dichlorophenol         | 3.74       | 0.133     | 4.000         | 0              | 93.5              | 80         | 120       |      |           |      |
| 2,4-Dimethylphenol         | 3.98       | 0.133     | 4.000         | 0              | 99.5              | 70         | 130       |      |           |      |
| 2,4-Dinitrophenol          | 3.84       | 0.660     | 4.000         | 0              | 96.0              | 70         | 130       |      |           |      |
| 2,6-Dichlorophenol         | 3.71       | 0.133     | 4.000         | 0              | 92.8              | 70         | 130       |      |           |      |
| 2-Methylnaphthalene        | 3.85       | 0.133     | 4.000         | 0              | 96.2              | 70         | 130       |      |           |      |
| 2-Methylphenol             | 3.72       | 0.133     | 4.000         | 0              | 93.0              | 70         | 130       |      |           |      |
| 2-Nitrophenol              | 4.21       | 0.133     | 4.000         | 0              | 105               | 80         | 120       |      |           |      |
| 4,6-Dinitro-2-methylphenol | 4.03       | 0.330     | 4.000         | 0              | 101               | 70         | 130       |      |           |      |
| 4-Chloro-3-methylphenol    | 3.47       | 0.133     | 4.000         | 0              | 86.8              | 80         | 120       |      |           |      |
| 4-Methylphenol             | 3.79       | 0.133     | 4.000         | 0              | 94.8              | 70         | 130       |      |           |      |
| 4-Nitrophenol              | 3.30       | 0.660     | 4.000         | 0              | 82.5              | 70         | 130       |      |           |      |
| Pentachlorophenol          | 3.49       | 0.133     | 4.000         | 0              | 87.2              | 80         | 120       |      |           |      |
| Phenol                     | 3.87       | 0.133     | 4.000         | 0              | 96.8              | 80         | 120       |      |           |      |
| Surr: 2,4,6-Tribromophenol | 4.23       |           | 4.000         |                | 106               | 80         | 120       |      |           |      |
| Surr: 2-Fluorobiphenyl     | 3.69       |           | 4.000         |                | 92.2              | 80         | 120       |      |           |      |
| Surr: 2-Fluorophenol       | 3.56       |           | 4.000         |                | 89.0              | 80         | 120       |      |           |      |
| Surr: 4-Terphenyl-d14      | 3.84       |           | 4.000         |                | 96.0              | 80         | 120       |      |           |      |
| Surr: Nitrobenzene-d5      | 3.27       |           | 4.000         |                | 81.8              | 80         | 120       |      |           |      |
| Surr: Phenol-d6            | 3.51       |           | 4.000         |                | 87.8              | 80         | 120       |      |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3\_080421B

|                            |           |           |               |                |                   |          |           |            |           |      |
|----------------------------|-----------|-----------|---------------|----------------|-------------------|----------|-----------|------------|-----------|------|
| Sample ID:                 | LCS-29969 | Batch ID: | 29969         | TestNo:        | SW8270C           |          |           | Units:     | mg/Kg     |      |
| SampType:                  | LCS       | Run ID:   | GCMS3_080421B | Analysis Date: | 04/21/08 05:52 PM |          |           | Prep Date: | 04/21/08  |      |
| Analyte                    | Result    | RL        | SPK value     | Ref Val        | %REC              | LowLimit | HighLimit | %RPD       | RPD Limit | Qual |
| 2,4,5-Trichlorophenol      | 0.967     | 0.133     | 1.340         | 0              | 72.1              | 25       | 175       |            |           |      |
| 2,4,6-Trichlorophenol      | 0.960     | 0.133     | 1.340         | 0              | 71.6              | 29       | 138       |            |           |      |
| 2,4-Dichlorophenol         | 0.887     | 0.133     | 1.340         | 0              | 66.2              | 36       | 135       |            |           |      |
| 2,4-Dimethylphenol         | 0.960     | 0.133     | 1.340         | 0              | 71.6              | 35       | 149       |            |           |      |
| 2,4-Dinitrophenol          | 1.21      | 0.660     | 1.340         | 0              | 90.0              | 25       | 161       |            |           |      |
| 2-Methylnaphthalene        | 0.920     | 0.133     | 1.340         | 0              | 68.7              | 31       | 135       |            |           |      |
| 2-Methylphenol             | 0.853     | 0.133     | 1.340         | 0              | 63.7              | 25       | 135       |            |           |      |
| 2-Nitrophenol              | 0.973     | 0.133     | 1.340         | 0              | 72.6              | 34       | 135       |            |           |      |
| 4,6-Dinitro-2-methylphenol | 1.08      | 0.330     | 1.340         | 0              | 80.6              | 25       | 144       |            |           |      |
| 4-Chloro-3-methylphenol    | 0.853     | 0.133     | 1.340         | 0              | 63.7              | 34       | 135       |            |           |      |
| 4-Methylphenol             | 0.860     | 0.133     | 1.340         | 0              | 64.2              | 25       | 135       |            |           |      |
| 4-Nitrophenol              | 0.847     | 0.660     | 1.340         | 0              | 63.2              | 25       | 141       |            |           |      |
| Acenaphthene               | 0.960     | 0.133     | 1.340         | 0              | 71.6              | 39       | 135       |            |           |      |
| Acenaphthylene             | 0.893     | 0.133     | 1.340         | 0              | 66.7              | 37       | 135       |            |           |      |
| Anthracene                 | 1.03      | 0.133     | 1.340         | 0              | 77.1              | 35       | 140       |            |           |      |
| Benzo[a]anthracene         | 1.03      | 0.133     | 1.340         | 0              | 77.1              | 41       | 143       |            |           |      |
| Benzo[a]pyrene             | 1.07      | 0.133     | 1.340         | 0              | 79.6              | 31       | 135       |            |           |      |
| Benzo[b]fluoranthene       | 0.987     | 0.133     | 1.340         | 0              | 73.6              | 27       | 135       |            |           |      |
| Benzo[g,h,i]perylene       | 1.10      | 0.133     | 1.340         | 0              | 82.1              | 25       | 159       |            |           |      |
| Benzo[k]fluoranthene       | 1.17      | 0.133     | 1.340         | 0              | 87.6              | 25       | 159       |            |           |      |
| Chrysene                   | 1.03      | 0.133     | 1.340         | 0              | 76.6              | 45       | 143       |            |           |      |
| Dibenz[a,h]anthracene      | 1.13      | 0.133     | 1.340         | 0              | 84.6              | 40       | 135       |            |           |      |
| Fluoranthene               | 1.09      | 0.133     | 1.340         | 0              | 81.1              | 37       | 135       |            |           |      |
| Fluorene                   | 0.980     | 0.133     | 1.340         | 0              | 73.1              | 38       | 149       |            |           |      |
| Indeno[1,2,3-cd]pyrene     | 1.11      | 0.133     | 1.340         | 0              | 83.1              | 25       | 170       |            |           |      |
| Naphthalene                | 0.907     | 0.133     | 1.340         | 0              | 67.7              | 40       | 135       |            |           |      |
| Pentachlorophenol          | 0.740     | 0.133     | 1.340         | 0              | 55.2              | 38       | 146       |            |           |      |
| Phenanthrene               | 1.03      | 0.133     | 1.340         | 0              | 76.6              | 44       | 135       |            |           |      |
| Phenol                     | 0.860     | 0.133     | 1.340         | 0              | 64.2              | 25       | 135       |            |           |      |
| Pyrene                     | 1.02      | 0.133     | 1.340         | 0              | 76.1              | 37       | 146       |            |           |      |
| Surr: 2,4,6-Tribromophenol | 2.72      |           | 2.680         |                | 101               | 45       | 138       |            |           |      |
| Surr: 2-Fluorobiphenyl     | 2.21      |           | 2.680         |                | 82.6              | 60       | 135       |            |           |      |
| Surr: 2-Fluorophenol       | 2.13      |           | 2.680         |                | 79.4              | 37       | 125       |            |           |      |
| Surr: 4-Terphenyl-d14      | 2.58      |           | 2.680         |                | 96.3              | 60       | 129       |            |           |      |
| Surr: Nitrobenzene-d5      | 1.99      |           | 2.680         |                | 74.1              | 45       | 125       |            |           |      |
| Surr: Phenol-d6            | 2.21      |           | 2.680         |                | 82.3              | 40       | 125       |            |           |      |

|                         |                |           |               |                |                   |            |           |      |           |      |
|-------------------------|----------------|-----------|---------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:              | 0804184-01B-MS | Batch ID: | 29969         | TestNo:        | SW8270C           | Units:     | mg/Kg-dry |      |           |      |
| SampType:               | MS             | Run ID:   | GCMS3_080421B | Analysis Date: | 04/21/08 07:22 PM | Prep Date: | 04/21/08  |      |           |      |
| Analyte                 | Result         | RL        | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| 4-Chloro-3-methylphenol | 0.844          | 0.139     | 1.402         | 0              | 60.2              | 34         | 135       |      |           |      |
| 4-Nitrophenol           | 0.907          | 0.690     | 1.402         | 0              | 64.7              | 25         | 141       |      |           |      |
| Pentachlorophenol       | 0.586          | 0.139     | 1.402         | 0              | 41.8              | 38         | 146       |      |           |      |
| Phenol                  | 0.886          | 0.139     | 1.402         | 0              | 63.2              | 25         | 135       |      |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3\_080421B

|                             |                       |                                  |           |                     |      |          |           |      |           |      |  |
|-----------------------------|-----------------------|----------------------------------|-----------|---------------------|------|----------|-----------|------|-----------|------|--|
| Surr: 2,4,6-Tribromophenol  | 2.63                  | 2.803                            | 93.8      | 45                  | 138  |          |           |      |           |      |  |
| Surr: 2-Fluorobiphenyl      | 2.19                  | 2.803                            | 78.1      | 60                  | 135  |          |           |      |           |      |  |
| Surr: 2-Fluorophenol        | 2.13                  | 2.803                            | 76.1      | 37                  | 125  |          |           |      |           |      |  |
| Surr: 4-Terphenyl-d14       | 2.25                  | 2.803                            | 80.3      | 60                  | 129  |          |           |      |           |      |  |
| Surr: Nitrobenzenc-d5       | 2.04                  | 2.803                            | 72.6      | 45                  | 125  |          |           |      |           |      |  |
| Surr: Phenol-d6             | 2.19                  | 2.803                            | 78.1      | 40                  | 125  |          |           |      |           |      |  |
|                             |                       |                                  |           |                     |      |          |           |      |           |      |  |
| Sample ID: 0804184-01B-MSD  | Batch ID: 29969       | TestNo: SW8270C                  |           | Units: mg/Kg-dry    |      |          |           |      |           |      |  |
| SampType: MSD               | Run ID: GCMS3_080421B | Analysis Date: 04/21/08 07:44 PM |           | Prep Date: 04/21/08 |      |          |           |      |           |      |  |
| Analyte                     | Result                | RL                               | SPK value | Ref Val             | %REC | LowLimit | HighLimit | %RPD | RPD Limit | Qual |  |
| 4-Chloro-3-methylphenol     | 1.01                  | 0.144                            | 1.455     | 0                   | 69.2 | 34       | 135       | 17.6 | 30        |      |  |
| 4-Nitrophenol               | 1.08                  | 0.717                            | 1.455     | 0                   | 74.1 | 25       | 141       | 17.3 | 30        |      |  |
| Pentachlorophenol           | 0.688                 | 0.144                            | 1.455     | 0                   | 47.3 | 38       | 146       | 16.0 | 30        |      |  |
| Phenol                      | 1.01                  | 0.144                            | 1.455     | 0                   | 69.2 | 25       | 135       | 12.7 | 30        |      |  |
| Surr: 2,4,6-Tribromiophenol | 3.18                  |                                  | 2.910     |                     | 109  | 45       | 138       | 0    | 0         |      |  |
| Surr: 2-Fluorobiphenyl      | 2.52                  |                                  | 2.910     |                     | 86.6 | 60       | 135       | 0    | 0         |      |  |
| Surr: 2-Fluorophenol        | 2.45                  |                                  | 2.910     |                     | 84.1 | 37       | 125       | 0    | 0         |      |  |
| Surr: 4-Terphenyl-d14       | 2.87                  |                                  | 2.910     |                     | 98.8 | 60       | 129       | 0    | 0         |      |  |
| Surr: Nitrobenzenc-d5       | 2.38                  |                                  | 2.910     |                     | 81.8 | 45       | 125       | 0    | 0         |      |  |
| Surr: Phenol-d6             | 2.51                  |                                  | 2.910     |                     | 86.3 | 40       | 125       | 0    | 0         |      |  |
|                             |                       |                                  |           |                     |      |          |           |      |           |      |  |
| Sample ID: MB-29969         | Batch ID: 29969       | TestNo: SW8270C                  |           | Units: mg/Kg        |      |          |           |      |           |      |  |
| SampType: MBLK              | Run ID: GCMS3_080421B | Analysis Date: 04/21/08 08:29 PM |           | Prep Date: 04/21/08 |      |          |           |      |           |      |  |
| Analyte                     | Result                | RL                               | SPK value | Ref Val             | %REC | LowLimit | HighLimit | %RPD | RPD Limit | Qual |  |
| 2,4,5-Trichlorophenol       | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| 2,4,6-Trichlorophenol       | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| 2,4-Dichlorophenol          | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| 2,4-Dimethylphenol          | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| 2,4-Dinitrophenol           | ND                    | 0.660                            |           |                     |      |          |           |      |           |      |  |
| 2-Methylnaphthalene         | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| 2-Methylphenol              | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| 2-Nitrophenol               | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| 4,6-Dinitro-2-methylphenol  | ND                    | 0.330                            |           |                     |      |          |           |      |           |      |  |
| 4-Chloro-3-methylphenol     | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| 4-Methylphenol              | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| 4-Nitrophenol               | ND                    | 0.660                            |           |                     |      |          |           |      |           |      |  |
| Accenaphthene               | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| Accenaphthylenc             | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| Anthracene                  | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| Benzo[a]anthracene          | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| Benzo[a]pyrene              | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| Benzo[b]fluoranthene        | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| Benzo[g,h,i]perylenc        | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| Benzo[k]fluoranthene        | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| Chrysenc                    | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| Dibenz[a,h]anthracenc       | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |
| Fluoranthene                | ND                    | 0.133                            |           |                     |      |          |           |      |           |      |  |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
Work Order: 0804184  
Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3\_080421B

|                            |      |       |      |    |     |  |
|----------------------------|------|-------|------|----|-----|--|
| Fluorene                   | ND   | 0.133 |      |    |     |  |
| Indeno[1,2,3-cd]pyrene     | ND   | 0.133 |      |    |     |  |
| Naphthalene                | ND   | 0.133 |      |    |     |  |
| Pentachlorophenol          | ND   | 0.133 |      |    |     |  |
| Phenanthrene               | ND   | 0.133 |      |    |     |  |
| Phenol                     | ND   | 0.133 |      |    |     |  |
| Pyrene                     | ND   | 0.133 |      |    |     |  |
| Surr: 2,4,6-Tribromophenol | 2.69 | 2.680 | 100  | 45 | 138 |  |
| Surr: 2-Fluorobiphenyl     | 2.13 | 2.680 | 79.6 | 60 | 135 |  |
| Surr: 2-Fluorophenol       | 2.11 | 2.680 | 78.6 | 37 | 125 |  |
| Surr: 4-Terphenyl-d14      | 2.52 | 2.680 | 94.0 | 60 | 129 |  |
| Surr: Nitrobenzene-d5      | 1.99 | 2.680 | 74.1 | 45 | 125 |  |
| Surr: Phenol-d6            | 2.11 | 2.680 | 78.9 | 40 | 125 |  |

Qualifiers: B Analyte detected in the associated Method Blank  
DF Dilution Factor  
J Analyte detected between MDL and RL  
MDL Method Detection Limit  
ND Not Detected at the Method Detection Limit

R RPD outside accepted control limits  
RL Reporting Limit  
S Spike Recovery outside control limits  
N Parameter not NELAC certified

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3\_080421B

| Sample ID:                 | ICV-080421 | Batch ID: | R37315        | TestNo:        | SW8270C           | Units:     | mg/Kg     |      |           |      |
|----------------------------|------------|-----------|---------------|----------------|-------------------|------------|-----------|------|-----------|------|
| SampType:                  | ICV        | Run ID:   | GCMS3_080421B | Analysis Date: | 04/21/08 04:45 PM | Prep Date: |           |      |           |      |
| Analyte                    | Result     | RL        | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| 2,4,5-Trichlorophenol      | 3.90       | 0.133     | 4.000         | 0              | 97.5              | 70         | 130       |      |           |      |
| 2,4,6-Trichlorophenol      | 4.01       | 0.133     | 4.000         | 0              | 100               | 80         | 120       |      |           |      |
| 2,4-Dichlorophenol         | 3.74       | 0.133     | 4.000         | 0              | 93.5              | 80         | 120       |      |           |      |
| 2,4-Dimethylphenol         | 3.98       | 0.133     | 4.000         | 0              | 99.5              | 70         | 130       |      |           |      |
| 2,4-Dinitrophenol          | 3.84       | 0.660     | 4.000         | 0              | 96.0              | 70         | 130       |      |           |      |
| 2-Methylnaphthalene        | 3.85       | 0.133     | 4.000         | 0              | 96.2              | 70         | 130       |      |           |      |
| 2-Methylphenol             | 3.72       | 0.133     | 4.000         | 0              | 93.0              | 70         | 130       |      |           |      |
| 2-Nitrophenol              | 4.21       | 0.133     | 4.000         | 0              | 105               | 80         | 120       |      |           |      |
| 4,6-Dinitro-2-methylphenol | 4.03       | 0.330     | 4.000         | 0              | 101               | 70         | 130       |      |           |      |
| 4-Chloro-3-methylphenol    | 3.47       | 0.133     | 4.000         | 0              | 86.8              | 70         | 130       |      |           |      |
| 4-Methylphenol             | 3.79       | 0.133     | 4.000         | 0              | 94.8              | 70         | 130       |      |           |      |
| 4-Nitrophenol              | 3.30       | 0.660     | 4.000         | 0              | 82.5              | 70         | 130       |      |           |      |
| Accenaphthene              | 3.88       | 0.133     | 4.000         | 0              | 97.0              | 80         | 120       |      |           |      |
| Accenaphthylene            | 3.60       | 0.133     | 4.000         | 0              | 90.0              | 70         | 130       |      |           |      |
| Anthracene                 | 4.04       | 0.133     | 4.000         | 0              | 101               | 70         | 130       |      |           |      |
| Benzo[a]anthracene         | 4.02       | 0.133     | 4.000         | 0              | 101               | 70         | 130       |      |           |      |
| Benzo[a]pyrene             | 4.36       | 0.133     | 4.000         | 0              | 109               | 80         | 120       |      |           |      |
| Benzo[b]fluoranthene       | 3.44       | 0.133     | 4.000         | 0              | 86.0              | 70         | 130       |      |           |      |
| Benzo[g,h,i]perylene       | 4.72       | 0.133     | 4.000         | 0              | 118               | 70         | 130       |      |           |      |
| Benzo[k]fluoranthene       | 4.44       | 0.133     | 4.000         | 0              | 111               | 70         | 130       |      |           |      |
| Chrysene                   | 3.97       | 0.133     | 4.000         | 0              | 99.2              | 70         | 130       |      |           |      |
| Dibenz[a,h]anthracene      | 4.80       | 0.133     | 4.000         | 0              | 120               | 70         | 130       |      |           |      |
| Fluoranthene               | 4.19       | 0.133     | 4.000         | 0              | 105               | 80         | 120       |      |           |      |
| Fluorene                   | 3.80       | 0.133     | 4.000         | 0              | 95.0              | 70         | 130       |      |           |      |
| Indeno[1,2,3-cd]pyrene     | 4.76       | 0.133     | 4.000         | 0              | 119               | 70         | 130       |      |           |      |
| Naphthalene                | 3.77       | 0.133     | 4.000         | 0              | 94.2              | 70         | 130       |      |           |      |
| Pentachlorophenol          | 3.49       | 0.133     | 4.000         | 0              | 87.2              | 80         | 120       |      |           |      |
| Phenanthrene               | 3.89       | 0.133     | 4.000         | 0              | 97.2              | 70         | 130       |      |           |      |
| Phenol                     | 3.87       | 0.133     | 4.000         | 0              | 96.8              | 80         | 120       |      |           |      |
| Pyrene                     | 3.97       | 0.133     | 4.000         | 0              | 99.2              | 70         | 130       |      |           |      |
| Surr: 2,4,6-Tribromophenol | 4.23       |           | 4.000         |                | 106               | 80         | 120       |      |           |      |
| Surr: 2-Fluorobiphenyl     | 3.69       |           | 4.000         |                | 92.2              | 80         | 120       |      |           |      |
| Surr: 2-Fluorophenol       | 3.56       |           | 4.000         |                | 89.0              | 80         | 120       |      |           |      |
| Surr: 4-Terphenyl-d14      | 3.84       |           | 4.000         |                | 96.0              | 80         | 120       |      |           |      |
| Surr: Nitrobenzene-d5      | 3.27       |           | 4.000         |                | 81.8              | 80         | 120       |      |           |      |
| Surr: Phenol-d6            | 3.51       |           | 4.000         |                | 87.8              | 80         | 120       |      |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS6\_080423A

|                        |           |           |               |                |                   |            |           |      |           |      |
|------------------------|-----------|-----------|---------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:             | LCS-30006 | Batch ID: | 30006         | TestNo:        | SW8270C           | Units:     | mg/Kg     |      |           |      |
| SampType:              | LCS       | Run ID:   | GCMS6_080423A | Analysis Date: | 04/23/08 03:10 PM | Prep Date: | 04/23/08  |      |           |      |
| Analyte                | Result    | RL        | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Accnaphthene           | 0.533     | 0.0333    | 0.6667        | 0              | 80.0              | 56         | 114       |      |           |      |
| Accenaphthylene        | 0.552     | 0.0333    | 0.6667        | 0              | 82.7              | 56         | 116       |      |           |      |
| Anthracene             | 0.612     | 0.0333    | 0.6667        | 0              | 91.9              | 40         | 113       |      |           |      |
| Benzo[a]anthracene     | 0.562     | 0.0333    | 0.6667        | 0              | 84.3              | 52         | 108       |      |           |      |
| Benzo[a]pyrcne         | 0.585     | 0.0333    | 0.6667        | 0              | 87.7              | 48         | 115       |      |           |      |
| Benzo[b]fluoranthene   | 0.610     | 0.0333    | 0.6667        | 0              | 91.5              | 43         | 115       |      |           |      |
| Benzo[g,h,i]perylene   | 0.570     | 0.0333    | 0.6667        | 0              | 85.5              | 47         | 123       |      |           |      |
| Benzo[k]fluoranthene   | 0.609     | 0.0333    | 0.6667        | 0              | 91.4              | 54         | 118       |      |           |      |
| Chrysene               | 0.592     | 0.0333    | 0.6667        | 0              | 88.7              | 56         | 115       |      |           |      |
| Dibenz[a,h]anthracene  | 0.579     | 0.0333    | 0.6667        | 0              | 86.9              | 43         | 120       |      |           |      |
| Fluoranthene           | 0.542     | 0.0333    | 0.6667        | 0              | 81.3              | 41         | 108       |      |           |      |
| Fluorene               | 0.539     | 0.0333    | 0.6667        | 0              | 80.9              | 47         | 128       |      |           |      |
| Indeno[1,2,3-cd]pyrene | 0.579     | 0.0333    | 0.6667        | 0              | 86.9              | 46         | 119       |      |           |      |
| Naphthalene            | 0.509     | 0.0333    | 0.6667        | 0              | 76.3              | 55         | 113       |      |           |      |
| Phenanthrene           | 0.544     | 0.0333    | 0.6667        | 0              | 81.6              | 55         | 114       |      |           |      |
| Pyrene                 | 0.598     | 0.0333    | 0.6667        | 0              | 89.6              | 42         | 125       |      |           |      |
| Surr: 2-Fluorobiphenyl | 2.78      |           | 2.667         |                | 104               | 40         | 140       |      |           |      |
| Surr: 4-Terphenyl-d14  | 3.11      |           | 2.667         |                | 117               | 40         | 140       |      |           |      |
| Surr: Nitrobenzene-d5  | 2.86      |           | 2.667         |                | 107               | 40         | 140       |      |           |      |

|                        |          |           |               |                |                   |            |           |      |           |      |
|------------------------|----------|-----------|---------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:             | MB-30006 | Batch ID: | 30006         | TestNo:        | SW8270C           | Units:     | mg/Kg     |      |           |      |
| SampType:              | MBLK     | Run ID:   | GCMS6_080423A | Analysis Date: | 04/23/08 03:52 PM | Prep Date: | 04/23/08  |      |           |      |
| Analyte                | Result   | RL        | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Acenaphthene           | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Acenaphthylene         | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Anthracene             | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Benzo[a]anthracene     | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Benzo[a]pyrene         | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Benzo[b]fluoranthene   | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Benzo[g,h,i]perylene   | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Benzo[k]fluoranthene   | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Chrysene               | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Dibenz[a,h]anthracene  | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Fluoranthene           | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Fluorene               | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Indeno[1,2,3-cd]pyrene | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Naphthalene            | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Phenanthrene           | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Pyrene                 | ND       | 0.0333    |               |                |                   |            |           |      |           |      |
| Surr: 2-Fluorobiphenyl | 2.50     |           | 2.667         |                | 93.8              | 40         | 140       |      |           |      |
| Surr: 4-Terphenyl-d14  | 2.75     |           | 2.667         |                | 103               | 40         | 140       |      |           |      |
| Surr: Nitrobenzene-d5  | 2.57     |           | 2.667         |                | 96.2              | 40         | 140       |      |           |      |

Sample ID: 0804184-02B-MS      Batch ID: 30006      TestNo: SW8270C      Units: %REC

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS6\_080423A

| SampType:              | MS     | Run ID: | GCMS6_080423A | Analysis Date: | 04/23/08 05:57 PM | Prep Date: | 04/23/08  |      |           |      |
|------------------------|--------|---------|---------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Analyte                | Result | RL      | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Surr: 2-Fluorobiphenyl | 2.81   |         | 2.716         |                | 103               | 40         | 140       |      |           |      |
| Surr: 4-Terphenyl-d14  | 3.14   |         | 2.716         |                | 115               | 40         | 140       |      |           |      |
| Surr: Nitrobenzenc-d5  | 2.79   |         | 2.716         |                | 103               | 40         | 140       |      |           |      |

| Sample ID:             | 0804184-02B-MSD | Batch ID: | 30006         | TestNo:        | SW8270C           | Units:     | %REC      |      |           |      |
|------------------------|-----------------|-----------|---------------|----------------|-------------------|------------|-----------|------|-----------|------|
| SampType:              | MSD             | Run ID:   | GCMS6_080423A | Analysis Date: | 04/23/08 06:37 PM | Prep Date: | 04/23/08  |      |           |      |
| Analyte                | Result          | RL        | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Surr: 2-Fluorobiphenyl | 2.87            |           | 2.671         |                | 107               | 40         | 140       | 0    | 25        |      |
| Surr: 4-Terphenyl-d14  | 3.09            |           | 2.671         |                | 116               | 40         | 140       | 0    | 25        |      |
| Surr: Nitrobenzenc-d5  | 2.84            |           | 2.671         |                | 106               | 40         | 140       | 0    | 25        |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS6\_080423A

|                        |            |           |               |                |                   |          |           |            |           |      |  |
|------------------------|------------|-----------|---------------|----------------|-------------------|----------|-----------|------------|-----------|------|--|
| Sample ID:             | ICV-080423 | Batch ID: | R37336        | TestNo:        | SW8270C           |          |           | Units:     | mg/Kg     |      |  |
| SampType:              | ICV        | Run ID:   | GCMS6_080423A | Analysis Date: | 04/23/08 02:28 PM |          |           | Prep Date: |           |      |  |
| Analyte                | Result     | RL        | SPK value     | Ref Val        | %REC              | LowLimit | HighLimit | %RPD       | RPD Limit | Qual |  |
| Accnaphthene           | 1.99       | 0.0500    | 2.000         | 0              | 99.5              | 80       | 120       |            |           |      |  |
| Acenaphthylene         | 2.04       | 0.0500    | 2.000         | 0              | 102               | 80       | 120       |            |           |      |  |
| Anthracene             | 1.99       | 0.0500    | 2.000         | 0              | 99.4              | 80       | 120       |            |           |      |  |
| Benzo[a]anthracene     | 1.78       | 0.0500    | 2.000         | 0              | 89.1              | 80       | 120       |            |           |      |  |
| Benzo[a]pyrene         | 1.93       | 0.0500    | 2.000         | 0              | 96.3              | 80       | 120       |            |           |      |  |
| Benzo[b]fluoranthene   | 2.06       | 0.0500    | 2.000         | 0              | 103               | 80       | 120       |            |           |      |  |
| Benzo[g,h,i]perylene   | 1.86       | 0.0500    | 2.000         | 0              | 92.8              | 80       | 120       |            |           |      |  |
| Benzo[k]fluoranthene   | 1.97       | 0.0500    | 2.000         | 0              | 98.7              | 80       | 120       |            |           |      |  |
| Chrysene               | 1.88       | 0.0500    | 2.000         | 0              | 94.2              | 80       | 120       |            |           |      |  |
| Dibenz[a,h]anthracene  | 1.89       | 0.0500    | 2.000         | 0              | 94.7              | 80       | 120       |            |           |      |  |
| Fluoranthene           | 1.94       | 0.0500    | 2.000         | 0              | 97.2              | 80       | 120       |            |           |      |  |
| Fluorene               | 1.95       | 0.0500    | 2.000         | 0              | 97.7              | 80       | 120       |            |           |      |  |
| Indeno[1,2,3-cd]pyrene | 1.91       | 0.0500    | 2.000         | 0              | 95.4              | 80       | 120       |            |           |      |  |
| Naphthalene            | 1.94       | 0.0500    | 2.000         | 0              | 97.0              | 80       | 120       |            |           |      |  |
| Phenanthrene           | 1.92       | 0.0500    | 2.000         | 0              | 96.1              | 80       | 120       |            |           |      |  |
| Pyrene                 | 1.91       | 0.0500    | 2.000         | 0              | 95.6              | 80       | 120       |            |           |      |  |
| Surr: 2-Fluorobiphenyl | 1.94       |           | 2.000         |                | 97.1              | 40       | 140       |            |           |      |  |
| Surr: 4-Terphenyl-d14  | 1.90       |           | 2.000         |                | 95.0              | 40       | 140       |            |           |      |  |
| Surr: Nitrobenzene-d5  | 2.11       |           | 2.000         |                | 106               | 40       | 140       |            |           |      |  |

Qualifiers: B Analyte detected in the associated Method Blank  
 DF Dilution Factor  
 J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 ND Not Detected at the Method Detection Limit

R RPD outside accepted control limits  
 RL Reporting Limit  
 S Spike Recovery outside control limits  
 N Parameter not NELAC certified



CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2\_080421A

|                             |           |           |               |                |                   |            |           |      |           |      |
|-----------------------------|-----------|-----------|---------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                  | LCS-29967 | Batch ID: | 29967         | TestNo:        | SW8260B           | Units:     | mg/Kg     |      |           |      |
| SampType:                   | LCS       | Run ID:   | GCMS2_080421A | Analysis Date: | 04/21/08 11:07 AM | Prep Date: | 04/21/08  |      |           |      |
| Analyte                     | Result    | RL        | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane       | 0.0205    | 0.00500   | 0.0232        | 0              | 88.5              | 68         | 130       |      |           |      |
| 1,1,2,2-Tetrachloroethane   | 0.0239    | 0.00500   | 0.0232        | 0              | 103               | 59         | 140       |      |           |      |
| 1,1,2-Trichloroethane       | 0.0225    | 0.00500   | 0.0232        | 0              | 97.2              | 62         | 127       |      |           |      |
| 1,1-Dichloroethane          | 0.0209    | 0.00500   | 0.0232        | 0              | 90.0              | 73         | 125       |      |           |      |
| 1,1-Dichloroethene          | 0.0196    | 0.00500   | 0.0232        | 0              | 84.5              | 65         | 136       |      |           |      |
| 1,2-Dibromoethane           | 0.0233    | 0.00500   | 0.0232        | 0              | 100               | 70         | 124       |      |           |      |
| 1,2-Dichloroethane          | 0.0216    | 0.00500   | 0.0232        | 0              | 93.2              | 72         | 137       |      |           |      |
| Benzene                     | 0.0211    | 0.00500   | 0.0232        | 0              | 90.9              | 75         | 125       |      |           |      |
| Carbon tetrachloride        | 0.0207    | 0.00500   | 0.0232        | 0              | 89.1              | 67         | 133       |      |           |      |
| Chloroform                  | 0.0219    | 0.00500   | 0.0232        | 0              | 94.5              | 72         | 124       |      |           |      |
| Ethylbenzene                | 0.0218    | 0.00500   | 0.0232        | 0              | 94.1              | 75         | 125       |      |           |      |
| Methylene chloride          | 0.0204    | 0.00500   | 0.0232        | 0              | 87.9              | 63         | 137       |      |           |      |
| Tetrachloroethene           | 0.0219    | 0.00500   | 0.0232        | 0              | 94.3              | 67         | 139       |      |           |      |
| Toluene                     | 0.0213    | 0.00500   | 0.0232        | 0              | 91.8              | 75         | 125       |      |           |      |
| Trichloroethene             | 0.0205    | 0.00500   | 0.0232        | 0              | 88.3              | 77         | 124       |      |           |      |
| Vinyl chloride              | 0.0226    | 0.00500   | 0.0232        | 0              | 97.4              | 58         | 126       |      |           |      |
| Surr: 1,2-Dichloroethane-d4 | 49.3      |           | 50.00         |                | 98.7              | 78         | 125       |      |           |      |
| Surr: 4-Bromofluorobenzene  | 50.8      |           | 50.00         |                | 102               | 82         | 125       |      |           |      |
| Surr: Dibromofluoromethane  | 49.0      |           | 50.00         |                | 98.0              | 84         | 116       |      |           |      |
| Surr: Toluene-d8            | 50.7      |           | 50.00         |                | 101               | 84         | 118       |      |           |      |

|                             |          |           |               |                |                   |            |           |      |           |      |
|-----------------------------|----------|-----------|---------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                  | MB-29967 | Batch ID: | 29967         | TestNo:        | SW8260B           | Units:     | mg/Kg     |      |           |      |
| SampType:                   | MBLK     | Run ID:   | GCMS2_080421A | Analysis Date: | 04/21/08 12:12 PM | Prep Date: | 04/21/08  |      |           |      |
| Analyte                     | Result   | RL        | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane       | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| 1,1,2,2-Tetrachloroethane   | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| 1,1,2-Trichloroethane       | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| 1,1-Dichloroethane          | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| 1,1-Dichloroethene          | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| 1,2-Dibromoethane           | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| 1,2-Dichloroethane          | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| Benzene                     | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| Carbon tetrachloride        | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| Chloroform                  | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| Ethylbenzene                | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| Methylene chloride          | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| Tetrachloroethene           | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| Toluene                     | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| Trichloroethene             | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| Vinyl chloride              | ND       | 0.00500   |               |                |                   |            |           |      |           |      |
| Surr: 1,2-Dichloroethane-d4 | 44.0     |           | 50.00         |                | 87.9              | 78         | 125       |      |           |      |
| Surr: 4-Bromofluorobenzene  | 52.5     |           | 50.00         |                | 105               | 82         | 125       |      |           |      |
| Surr: Dibromofluoromethane  | 47.7     |           | 50.00         |                | 95.4              | 84         | 116       |      |           |      |
| Surr: Toluene-d8            | 52.5     |           | 50.00         |                | 105               | 84         | 118       |      |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2\_080421A

|                             |               |           |               |                |                   |            |           |      |           |      |
|-----------------------------|---------------|-----------|---------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                  | 0804184-02AMS | Batch ID: | 29967         | TestNo:        | SW8260B           | Units:     | mg/Kg-dry |      |           |      |
| SampType:                   | MS            | Run ID:   | GCMS2_080421A | Analysis Date: | 04/21/08 02:23 PM | Prep Date: | 04/21/08  |      |           |      |
| Analyte                     | Result        | RL        | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| 1,1-Dichloroethene          | 0.0330        | 0.00487   | 0.0487        | 0              | 67.8              | 65         | 136       |      |           |      |
| Benzene                     | 0.0444        | 0.00487   | 0.0487        | 0              | 91.1              | 75         | 125       |      |           |      |
| Toluene                     | 0.0471        | 0.00487   | 0.0487        | 0              | 96.8              | 75         | 125       |      |           |      |
| Trichloroethene             | 0.0411        | 0.00487   | 0.0487        | 0              | 84.4              | 77         | 124       |      |           |      |
| Surr: 1,2-Dichloroethane-d4 | 47.2          |           | 48.69         |                | 97.0              | 78         | 125       |      |           |      |
| Surr: 4-Bromofluorobenzene  | 52.1          |           | 48.69         |                | 107               | 82         | 125       |      |           |      |
| Surr: Dibromofluoromethane  | 48.0          |           | 48.69         |                | 98.6              | 84         | 116       |      |           |      |
| Surr: Toluene-d8            | 49.5          |           | 48.69         |                | 102               | 84         | 118       |      |           |      |

|                             |                |           |               |                |                   |            |           |        |           |      |
|-----------------------------|----------------|-----------|---------------|----------------|-------------------|------------|-----------|--------|-----------|------|
| Sample ID:                  | 0804184-02AMSD | Batch ID: | 29967         | TestNo:        | SW8260B           | Units:     | mg/Kg-dry |        |           |      |
| SampType:                   | MSD            | Run ID:   | GCMS2_080421A | Analysis Date: | 04/21/08 02:56 PM | Prep Date: | 04/21/08  |        |           |      |
| Analyte                     | Result         | RL        | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD   | RPD Limit | Qual |
| 1,1-Dichloroethene          | 0.0330         | 0.00470   | 0.0470        | 0              | 70.3              | 70         | 130       | 0.0997 | 30        |      |
| Benzene                     | 0.0443         | 0.00470   | 0.0470        | 0              | 94.1              | 70         | 130       | 0.246  | 30        |      |
| Toluene                     | 0.0465         | 0.00470   | 0.0470        | 0              | 98.9              | 70         | 130       | 1.30   | 30        |      |
| Trichloroethene             | 0.0401         | 0.00470   | 0.0470        | 0              | 85.3              | 70         | 130       | 2.50   | 30        |      |
| Surr: 1,2-Dichloroethane-d4 | 45.4           |           | 47.03         |                | 96.6              | 78         | 125       | 0      | 0         |      |
| Surr: 4-Bromofluorobenzene  | 49.4           |           | 47.03         |                | 105               | 82         | 125       | 0      | 0         |      |
| Surr: Dibromofluoromethane  | 46.5           |           | 47.03         |                | 99.0              | 84         | 116       | 0      | 0         |      |
| Surr: Toluene-d8            | 47.6           |           | 47.03         |                | 101               | 84         | 118       | 0      | 0         |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2\_080421A

|                             |            |           |               |                |                   |            |           |      |           |      |
|-----------------------------|------------|-----------|---------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                  | ICV-080421 | Batch ID: | R37287        | TestNo:        | SW8260B           | Units:     | mg/Kg     |      |           |      |
| SampType:                   | ICV        | Run ID:   | GCMS2_080421A | Analysis Date: | 04/21/08 10:36 AM | Prep Date: |           |      |           |      |
| Analyte                     | Result     | RL        | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane       | 0.0402     | 0.00500   | 0.0464        | 0              | 86.6              | 70         | 130       |      |           |      |
| 1,1,2,2-Tetrachloroethane   | 0.0503     | 0.00500   | 0.0464        | 0              | 108               | 70         | 130       |      |           |      |
| 1,1,2-Trichloroethane       | 0.0443     | 0.00500   | 0.0464        | 0              | 95.5              | 70         | 130       |      |           |      |
| 1,1-Dichloroethane          | 0.0409     | 0.00500   | 0.0464        | 0              | 88.1              | 70         | 130       |      |           |      |
| 1,1-Dichloroethene          | 0.0382     | 0.00500   | 0.0464        | 0              | 82.4              | 80         | 120       |      |           |      |
| 1,2-Dibromoethane           | 0.0442     | 0.00500   | 0.0464        | 0              | 95.2              | 70         | 130       |      |           |      |
| 1,2-Dichloroethane          | 0.0422     | 0.00500   | 0.0464        | 0              | 91.0              | 70         | 130       |      |           |      |
| Benzene                     | 0.0403     | 0.00500   | 0.0464        | 0              | 86.9              | 70         | 130       |      |           |      |
| Carbon tetrachloride        | 0.0408     | 0.00500   | 0.0464        | 0              | 87.8              | 70         | 130       |      |           |      |
| Chloroform                  | 0.0430     | 0.00500   | 0.0464        | 0              | 92.6              | 80         | 120       |      |           |      |
| Ethylbenzene                | 0.0426     | 0.00500   | 0.0464        | 0              | 91.8              | 80         | 120       |      |           |      |
| Methylene chloride          | 0.0403     | 0.00500   | 0.0464        | 0              | 86.8              | 70         | 130       |      |           |      |
| Tetrachloroethene           | 0.0420     | 0.00500   | 0.0464        | 0              | 90.5              | 70         | 130       |      |           |      |
| Toluene                     | 0.0417     | 0.00500   | 0.0464        | 0              | 89.8              | 80         | 120       |      |           |      |
| Trichloroethene             | 0.0397     | 0.00500   | 0.0464        | 0              | 85.6              | 70         | 130       |      |           |      |
| Vinyl chloride              | 0.0416     | 0.00500   | 0.0464        | 0              | 89.7              | 80         | 120       |      |           |      |
| Surr: 1,2-Dichloroethane-d4 | 51.2       |           | 50.00         |                | 102               | 78         | 125       |      |           |      |
| Surr: 4-Bromofluorobenzene  | 54.0       |           | 50.00         |                | 108               | 82         | 125       |      |           |      |
| Surr: Dibromofluoromethane  | 49.2       |           | 50.00         |                | 98.4              | 84         | 116       |      |           |      |
| Surr: Toluene-d8            | 50.6       |           | 50.00         |                | 101               | 84         | 118       |      |           |      |

|                             |            |           |               |                |                   |            |           |      |           |      |
|-----------------------------|------------|-----------|---------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID:                  | ICV-080422 | Batch ID: | R37287        | TestNo:        | SW8260B           | Units:     | mg/Kg     |      |           |      |
| SampType:                   | ICV        | Run ID:   | GCMS2_080421A | Analysis Date: | 04/22/08 09:40 AM | Prep Date: |           |      |           |      |
| Analyte                     | Result     | RL        | SPK value     | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| 1,1,1-Trichloroethane       | 0.0427     | 0.00500   | 0.0464        | 0              | 92.1              | 70         | 130       |      |           |      |
| 1,1,2,2-Tetrachloroethane   | 0.0459     | 0.00500   | 0.0464        | 0              | 98.9              | 70         | 130       |      |           |      |
| 1,1,2-Trichloroethane       | 0.0444     | 0.00500   | 0.0464        | 0              | 95.7              | 70         | 130       |      |           |      |
| 1,1-Dichloroethane          | 0.0428     | 0.00500   | 0.0464        | 0              | 92.1              | 70         | 130       |      |           |      |
| 1,1-Dichloroethene          | 0.0446     | 0.00500   | 0.0464        | 0              | 96.1              | 80         | 120       |      |           |      |
| 1,2-Dibromoethane           | 0.0444     | 0.00500   | 0.0464        | 0              | 95.8              | 70         | 130       |      |           |      |
| 1,2-Dichloroethane          | 0.0422     | 0.00500   | 0.0464        | 0              | 91.0              | 70         | 130       |      |           |      |
| Benzene                     | 0.0428     | 0.00500   | 0.0464        | 0              | 92.3              | 70         | 130       |      |           |      |
| Carbon tetrachloride        | 0.0439     | 0.00500   | 0.0464        | 0              | 94.5              | 70         | 130       |      |           |      |
| Chloroform                  | 0.0449     | 0.00500   | 0.0464        | 0              | 96.8              | 80         | 120       |      |           |      |
| Ethylbenzene                | 0.0443     | 0.00500   | 0.0464        | 0              | 95.5              | 80         | 120       |      |           |      |
| Methylene chloride          | 0.0446     | 0.00500   | 0.0464        | 0              | 96.0              | 70         | 130       |      |           |      |
| Tetrachloroethene           | 0.0450     | 0.00500   | 0.0464        | 0              | 97.1              | 70         | 130       |      |           |      |
| Toluene                     | 0.0442     | 0.00500   | 0.0464        | 0              | 95.2              | 80         | 120       |      |           |      |
| Trichloroethene             | 0.0422     | 0.00500   | 0.0464        | 0              | 91.0              | 70         | 130       |      |           |      |
| Vinyl chloride              | 0.0446     | 0.00500   | 0.0464        | 0              | 96.1              | 80         | 120       |      |           |      |
| Surr: 1,2-Dichloroethane-d4 | 49.2       |           | 50.00         |                | 98.5              | 78         | 125       |      |           |      |
| Surr: 4-Bromofluorobenzene  | 49.6       |           | 50.00         |                | 99.1              | 82         | 125       |      |           |      |
| Surr: Dibromofluoromethane  | 49.5       |           | 50.00         |                | 99.0              | 84         | 116       |      |           |      |
| Surr: Toluene-d8            | 50.3       |           | 50.00         |                | 101               | 84         | 118       |      |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: IC\_080423A

| Sample ID: | MB-29983 | Batch ID: | 29983      | TestNo:        | SW9056            | Units:     | mg/Kg     |      |           |      |
|------------|----------|-----------|------------|----------------|-------------------|------------|-----------|------|-----------|------|
| SampType:  | MBLK     | Run ID:   | IC_080423A | Analysis Date: | 04/23/08 08:45 AM | Prep Date: | 04/21/08  |      |           |      |
| Analyte    | Result   | RL        | SPK value  | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Chloride   | ND       | 5.00      |            |                |                   |            |           |      |           |      |
| Fluoride   | ND       | 1.00      |            |                |                   |            |           |      |           |      |
| Nitrate-N  | ND       | 5.00      |            |                |                   |            |           |      |           |      |
| Sulfate    | ND       | 10.0      |            |                |                   |            |           |      |           |      |

| Sample ID: | LCS-29983 | Batch ID: | 29983      | TestNo:        | SW9056            | Units:     | mg/Kg     |      |           |      |
|------------|-----------|-----------|------------|----------------|-------------------|------------|-----------|------|-----------|------|
| SampType:  | LCS       | Run ID:   | IC_080423A | Analysis Date: | 04/23/08 09:01 AM | Prep Date: | 04/21/08  |      |           |      |
| Analyte    | Result    | RL        | SPK value  | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Chloride   | 50.4      | 5.00      | 50.00      | 0              | 101               | 80         | 120       |      |           |      |
| Fluoride   | 18.8      | 1.00      | 20.00      | 0              | 94.0              | 80         | 120       |      |           |      |
| Nitrate-N  | 26.8      | 5.00      | 25.00      | 0              | 107               | 80         | 120       |      |           |      |
| Sulfate    | 140       | 10.0      | 150.0      | 0              | 93.7              | 80         | 120       |      |           |      |

| Sample ID: | LCSD-29983 | Batch ID: | 29983      | TestNo:        | SW9056            | Units:     | mg/Kg     |       |           |      |
|------------|------------|-----------|------------|----------------|-------------------|------------|-----------|-------|-----------|------|
| SampType:  | LCSD       | Run ID:   | IC_080423A | Analysis Date: | 04/23/08 09:17 AM | Prep Date: | 04/21/08  |       |           |      |
| Analyte    | Result     | RL        | SPK value  | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD  | RPD Limit | Qual |
| Chloride   | 50.5       | 5.00      | 50.00      | 0              | 101               | 80         | 120       | 0.238 | 20        |      |
| Fluoride   | 18.7       | 1.00      | 20.00      | 0              | 93.7              | 80         | 120       | 0.354 | 20        |      |
| Nitrate-N  | 26.5       | 5.00      | 25.00      | 0              | 106               | 80         | 120       | 1.06  | 20        |      |
| Sulfate    | 137        | 10.0      | 150.0      | 0              | 91.4              | 80         | 120       | 2.40  | 20        |      |

| Sample ID: | 0804184-08C DUP | Batch ID: | 29983      | TestNo:        | SW9056            | Units:     | mg/Kg-dry |       |           |      |
|------------|-----------------|-----------|------------|----------------|-------------------|------------|-----------|-------|-----------|------|
| SampType:  | DUP             | Run ID:   | IC_080423A | Analysis Date: | 04/23/08 12:49 PM | Prep Date: | 04/21/08  |       |           |      |
| Analyte    | Result          | RL        | SPK value  | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD  | RPD Limit | Qual |
| Chloride   | 132             | 5.21      | 0          | 132.4          |                   |            |           | 0.343 | 20        |      |
| Fluoride   | 7.10            | 1.04      | 0          | 7.223          |                   |            |           | 1.69  | 20        |      |
| Nitrate-N  | 0               | 5.21      | 0          | 0              |                   |            |           | 0     | 20        |      |
| Sulfate    | 132             | 10.4      | 0          | 135.0          |                   |            |           | 2.17  | 20        |      |

| Sample ID: | 0804184-08C MS | Batch ID: | 29983      | TestNo:        | SW9056            | Units:     | mg/Kg-dry |      |           |      |
|------------|----------------|-----------|------------|----------------|-------------------|------------|-----------|------|-----------|------|
| SampType:  | MS             | Run ID:   | IC_080423A | Analysis Date: | 04/23/08 01:13 PM | Prep Date: | 04/21/08  |      |           |      |
| Analyte    | Result         | RL        | SPK value  | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Chloride   | 129            | 5.15      | 51.48      | 79.45          | 95.6              | 80         | 120       |      |           |      |
| Fluoride   | 23.5           | 1.03      | 20.59      | 4.334          | 92.9              | 80         | 120       |      |           |      |
| Nitrate-N  | 25.9           | 5.15      | 25.74      | 0              | 101               | 80         | 120       |      |           |      |
| Sulfate    | 229            | 10.3      | 154.4      | 81.02          | 95.9              | 80         | 120       |      |           |      |

| Sample ID: | 0804184-08C MSD | Batch ID: | 29983      | TestNo:        | SW9056            | Units:     | mg/Kg-dry |        |           |      |
|------------|-----------------|-----------|------------|----------------|-------------------|------------|-----------|--------|-----------|------|
| SampType:  | MSD             | Run ID:   | IC_080423A | Analysis Date: | 04/23/08 01:29 PM | Prep Date: | 04/21/08  |        |           |      |
| Analyte    | Result          | RL        | SPK value  | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD   | RPD Limit | Qual |
| Chloride   | 129             | 5.15      | 51.48      | 79.45          | 96.5              | 80         | 120       | 0.354  | 20        |      |
| Fluoride   | 23.7            | 1.03      | 20.59      | 4.334          | 94.2              | 80         | 120       | 1.09   | 20        |      |
| Nitrate-N  | 25.8            | 5.15      | 25.74      | 0              | 100               | 80         | 120       | 0.0955 | 20        |      |
| Sulfate    | 232             | 10.3      | 154.4      | 81.02          | 97.8              | 80         | 120       | 1.24   | 20        |      |

Qualifiers: B Analyte detected in the associated Method Blank  
 DF Dilution Factor  
 J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 ND Not Detected at the Method Detection Limit

R RPD outside accepted control limits  
 RL Reporting Limit  
 S Spike Recovery outside control limits  
 N Parameter not NELAC certified

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: IC\_080423A

|            |            |           |            |                |                   |            |           |      |           |      |
|------------|------------|-----------|------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID: | ICV-080423 | Batch ID: | R37318     | TestNo:        | SW9056            | Units:     | mg/Kg     |      |           |      |
| SampType:  | ICV        | Run ID:   | IC_080423A | Analysis Date: | 04/23/08 08:19 AM | Prep Date: | 04/23/08  |      |           |      |
| Analyte    | Result     | RL        | SPK value  | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Chloride   | 24.9       | 5.00      | 25.00      | 0              | 99.5              | 90         | 110       |      |           |      |
| Fluoride   | 9.92       | 1.00      | 10.00      | 0              | 99.2              | 90         | 110       |      |           |      |
| Nitrate-N  | 13.8       | 5.00      | 12.50      | 0              | 110               | 90         | 110       |      |           |      |
| Sulfate    | 72.6       | 10.0      | 75.00      | 0              | 96.8              | 90         | 110       |      |           |      |

|            |             |           |            |                |                   |            |           |      |           |      |
|------------|-------------|-----------|------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID: | CCV1-080423 | Batch ID: | R37318     | TestNo:        | SW9056            | Units:     | mg/Kg     |      |           |      |
| SampType:  | CCV         | Run ID:   | IC_080423A | Analysis Date: | 04/23/08 11:27 AM | Prep Date: | 04/23/08  |      |           |      |
| Analyte    | Result      | RL        | SPK value  | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Chloride   | 10.3        | 5.00      | 10.00      | 0              | 103               | 90         | 110       |      |           |      |
| Fluoride   | 3.69        | 1.00      | 4.000      | 0              | 92.2              | 90         | 110       |      |           |      |
| Nitrate-N  | 5.18        | 5.00      | 5.000      | 0              | 104               | 90         | 110       |      |           |      |
| Sulfate    | 28.5        | 10.0      | 30.00      | 0              | 94.9              | 90         | 110       |      |           |      |

|            |             |           |            |                |                   |            |           |      |           |      |
|------------|-------------|-----------|------------|----------------|-------------------|------------|-----------|------|-----------|------|
| Sample ID: | CCV2-080423 | Batch ID: | R37318     | TestNo:        | SW9056            | Units:     | mg/Kg     |      |           |      |
| SampType:  | CCV         | Run ID:   | IC_080423A | Analysis Date: | 04/23/08 01:44 PM | Prep Date: | 04/23/08  |      |           |      |
| Analyte    | Result      | RL        | SPK value  | Ref Val        | %REC              | LowLimit   | HighLimit | %RPD | RPD Limit | Qual |
| Chloride   | 10.3        | 5.00      | 10.00      | 0              | 103               | 90         | 110       |      |           |      |
| Fluoride   | 3.73        | 1.00      | 4.000      | 0              | 93.3              | 90         | 110       |      |           |      |
| Nitrate-N  | 5.08        | 5.00      | 5.000      | 0              | 102               | 90         | 110       |      |           |      |
| Sulfate    | 28.8        | 10.0      | 30.00      | 0              | 96.2              | 90         | 110       |      |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: PH\_080422A

|            |     |           |               |                |                   |            |          |           |      |           |      |
|------------|-----|-----------|---------------|----------------|-------------------|------------|----------|-----------|------|-----------|------|
| Sample ID: | ICV | Batch ID: | PH_S-04/22/08 | TestNo:        | SW9045C           | Units:     | pH Units |           |      |           |      |
| SampType:  | ICV | Run ID:   | PH_080422A    | Analysis Date: | 04/22/08 01:45 PM | Prep Date: | 04/22/08 |           |      |           |      |
| Analyte    |     | Result    | RL            | SPK value      | Ref Val           | %REC       | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| pH         |     | 10.0      | 0             | 10.00          | 0                 | 100        | 99       | 101       |      |           |      |

|            |             |           |               |                |                   |            |          |           |      |           |      |
|------------|-------------|-----------|---------------|----------------|-------------------|------------|----------|-----------|------|-----------|------|
| Sample ID: | CCV1-080422 | Batch ID: | PH_S-04/22/08 | TestNo:        | SW9045C           | Units:     | pH Units |           |      |           |      |
| SampType:  | CCV         | Run ID:   | PH_080422A    | Analysis Date: | 04/22/08 01:45 PM | Prep Date: | 04/22/08 |           |      |           |      |
| Analyte    |             | Result    | RL            | SPK value      | Ref Val           | %REC       | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| pH         |             | 7.00      | 0             | 7.000          | 0                 | 100        | 97.1     | 102.9     |      |           |      |

|            |                 |           |               |                |                   |            |          |           |       |           |      |
|------------|-----------------|-----------|---------------|----------------|-------------------|------------|----------|-----------|-------|-----------|------|
| Sample ID: | 0804184-08C DUP | Batch ID: | PH_S-04/22/08 | TestNo:        | SW9045C           | Units:     | pH Units |           |       |           |      |
| SampType:  | DUP             | Run ID:   | PH_080422A    | Analysis Date: | 04/22/08 01:45 PM | Prep Date: | 04/22/08 |           |       |           |      |
| Analyte    |                 | Result    | RL            | SPK value      | Ref Val           | %REC       | LowLimit | HighLimit | %RPD  | RPD Limit | Qual |
| pH         |                 | 8.18      | 0             | 0              | 8.146             |            |          |           | 0.380 | 5         |      |

|            |             |           |               |                |                   |            |          |           |      |           |      |
|------------|-------------|-----------|---------------|----------------|-------------------|------------|----------|-----------|------|-----------|------|
| Sample ID: | CCV2-080422 | Batch ID: | PH_S-04/22/08 | TestNo:        | SW9045C           | Units:     | pH Units |           |      |           |      |
| SampType:  | CCV         | Run ID:   | PH_080422A    | Analysis Date: | 04/22/08 01:45 PM | Prep Date: | 04/22/08 |           |      |           |      |
| Analyte    |             | Result    | RL            | SPK value      | Ref Val           | %REC       | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| pH         |             | 6.98      | 0             | 7.000          | 0                 | 99.8       | 97.1     | 102.9     |      |           |      |

Qualifiers: B Analyte detected in the associated Method Blank  
 DF Dilution Factor  
 J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 ND Not Detected at the Method Detection Limit

R RPD outside accepted control limits  
 RL Reporting Limit  
 S Spike Recovery outside control limits  
 N Parameter not NELAC certified

CLIENT: Larson & Associates  
Work Order: 0804184  
Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST\_080424A

|                  |                 |           |                |                |                   |            |          |           |      |           |      |
|------------------|-----------------|-----------|----------------|----------------|-------------------|------------|----------|-----------|------|-----------|------|
| Sample ID:       | 0804201-04A DUP | Batch ID: | PMOIST_080424A | TestNo:        | D2216             | Units:     | WT%      |           |      |           |      |
| SampType:        | DUP             | Run ID:   | PMOIST_080424A | Analysis Date: | 04/24/08 05:23 PM | Prep Date: | 04/24/08 |           |      |           |      |
| Analyte          |                 | Result    | RL             | SPK value      | Ref Val           | %REC       | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| Percent Moisture |                 | 19.9      | 0              | 0              | 20.17             |            |          |           | 1.20 | 30        | N    |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |

CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS\_2\_080425A

|                     |                          |                                  |                                        |
|---------------------|--------------------------|----------------------------------|----------------------------------------|
| Sample ID: MB-30037 | Batch ID: 30037          | TestNo: SW9014                   | Units: mg/Kg                           |
| SampType: MBLK      | Run ID: UV/VIS_2_080425A | Analysis Date: 04/25/08 03:08 PM | Prep Date: 04/25/08                    |
| Analyte             | Result RL SPK value      | Ref Val %REC                     | LowLimit HighLimit %RPD RPD Limit Qual |
| Cyanide, Total      | ND 0.500                 |                                  |                                        |

|                      |                          |                                  |                                        |
|----------------------|--------------------------|----------------------------------|----------------------------------------|
| Sample ID: LCS-30037 | Batch ID: 30037          | TestNo: SW9014                   | Units: mg/Kg                           |
| SampType: LCS        | Run ID: UV/VIS_2_080425A | Analysis Date: 04/25/08 03:08 PM | Prep Date: 04/25/08                    |
| Analyte              | Result RL SPK value      | Ref Val %REC                     | LowLimit HighLimit %RPD RPD Limit Qual |
| Cyanide, Total       | 5.11 0.500 5.000         | 0 102                            | 85 115                                 |

|                          |                          |                                  |                                        |
|--------------------------|--------------------------|----------------------------------|----------------------------------------|
| Sample ID: 0804184-01CMS | Batch ID: 30037          | TestNo: SW9014                   | Units: mg/Kg-dry                       |
| SampType: MS             | Run ID: UV/VIS_2_080425A | Analysis Date: 04/25/08 03:08 PM | Prep Date: 04/25/08                    |
| Analyte                  | Result RL SPK value      | Ref Val %REC                     | LowLimit HighLimit %RPD RPD Limit Qual |
| Cyanide, Total           | 4.61 0.480 4.802         | 0 96.0                           | 75 125                                 |

|                           |                          |                                  |                                        |
|---------------------------|--------------------------|----------------------------------|----------------------------------------|
| Sample ID: 0804184-01CMSD | Batch ID: 30037          | TestNo: SW9014                   | Units: mg/Kg-dry                       |
| SampType: MSD             | Run ID: UV/VIS_2_080425A | Analysis Date: 04/25/08 03:16 PM | Prep Date: 04/25/08                    |
| Analyte                   | Result RL SPK value      | Ref Val %REC                     | LowLimit HighLimit %RPD RPD Limit Qual |
| Cyanide, Total            | 4.45 0.462 4.622         | 0 96.2                           | 75 125 3.62 30                         |

Qualifiers: B Analyte detected in the associated Method Blank  
 DF Dilution Factor  
 J Analyte detected between MDL and RL  
 MDL Method Detection Limit  
 ND Not Detected at the Method Detection Limit

R RPD outside accepted control limits  
 RL Reporting Limit  
 S Spike Recovery outside control limits  
 N Parameter not NELAC certified



CLIENT: Larson & Associates  
 Work Order: 0804184  
 Project: Targa Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS\_2\_080425A

|                |             |           |                  |                |                   |            |          |           |      |           |      |
|----------------|-------------|-----------|------------------|----------------|-------------------|------------|----------|-----------|------|-----------|------|
| Sample ID:     | ICV-080425  | Batch ID: | R37361           | TestNo:        | SW9014            | Units:     | mg/Kg    |           |      |           |      |
| SampType:      | ICV         | Run ID:   | UV/VIS_2_080425A | Analysis Date: | 04/25/08 03:08 PM | Prep Date: |          |           |      |           |      |
| Analyte        |             | Result    | RL               | SPK value      | Ref Val           | %REC       | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| Cyanide, Total |             | 0.107     | 0.500            | 0.1000         | 0                 | 107        | 85       | 115       |      |           |      |
|                |             |           |                  |                |                   |            |          |           |      |           |      |
| Sample ID:     | CCV1-080425 | Batch ID: | R37361           | TestNo:        | SW9014            | Units:     | mg/Kg    |           |      |           |      |
| SampType:      | CCV         | Run ID:   | UV/VIS_2_080425A | Analysis Date: | 04/25/08 03:16 PM | Prep Date: |          |           |      |           |      |
| Analyte        |             | Result    | RL               | SPK value      | Ref Val           | %REC       | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| Cyanide, Total |             | 0.214     | 0.500            | 0.2000         | 0                 | 107        | 85       | 115       |      |           |      |
|                |             |           |                  |                |                   |            |          |           |      |           |      |
| Sample ID:     | CCV2-080425 | Batch ID: | R37361           | TestNo:        | SW9014            | Units:     | mg/Kg    |           |      |           |      |
| SampType:      | CCV         | Run ID:   | UV/VIS_2_080425A | Analysis Date: | 04/25/08 03:17 PM | Prep Date: |          |           |      |           |      |
| Analyte        |             | Result    | RL               | SPK value      | Ref Val           | %REC       | LowLimit | HighLimit | %RPD | RPD Limit | Qual |
| Cyanide, Total |             | 0.213     | 0.500            | 0.2000         | 0                 | 107        | 85       | 115       |      |           |      |

|             |     |                                                 |    |                                       |
|-------------|-----|-------------------------------------------------|----|---------------------------------------|
| Qualifiers: | B   | Analyte detected in the associated Method Blank | R  | RPD outside accepted control limits   |
|             | DF  | Dilution Factor                                 | RL | Reporting Limit                       |
|             | J   | Analyte detected between MDL and RL             | S  | Spike Recovery outside control limits |
|             | MDL | Method Detection Limit                          | N  | Parameter not NELAC certified         |
|             | ND  | Not Detected at the Method Detection Limit      |    |                                       |



## ANALYTICAL REPORT

Job Number: 560-4994-1

Job Description: Eunice Landfarm SOILS 6-0108

For:  
Larson & Associates, Inc.  
PO BOX 50685  
Midland, TX 79710

Attention: Ms. Michelle Green

---

Julie Darrow  
Project Mgmt. Assistant  
jdarrow@stl-inc.com  
06/28/2007

Project Manager: Julie Darrow

The test results entered in this report meet all NELAC requirements for accredited parameters. Any exceptions to NELAC requirements are noted in the report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. STL Corpus Christi Certifications and Approvals: NELAC TX T104704210-06-TX, NELAC KS E-10362, Oklahoma 9968, USDA Soil Permit S-42935 Revised.

**Severn Trent Laboratories, Inc.**

STL Corpus Christi 1733 N. Padre Island Drive, Corpus Christi,  
TX 78408

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**STL Corpus Christi**  
**TRRP Data Package Signature Page**

Job Number: 560-4994-1  
Project Name/Number: Eunice Landfarm

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate control limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory Analytical Duplicates (if applicable) Recovery and Precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 Method Quantitation Limit (MQL) for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

Release Statement: "I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the Laboratory Review Checklist and/or Case Narrative provided with the analytical report. I affirm, to the best of my knowledge, that all problems/anomalies observed by this laboratory that might affect the quality of the data have been identified in the Laboratory Review Checklist and/or Case Narrative, and that no information or data has been knowingly withheld that would affect the quality of the data."

\_\_\_\_\_  
Julie Darrow  
Name (printed)

  
\_\_\_\_\_  
Signature

6/28/07  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Project Manager  
Official Title (printed)

# STL Corpus Christi

## TCEQ Laboratory Review Checklist – Reportable Data

Page 1 of 3

|                         |                                      |
|-------------------------|--------------------------------------|
| LRC Date: June 28, 2007 | Laboratory Job Number: 560-4994-1    |
| Reviewer: Julie Darrow  | Project Name/Number: Eunice Landfarm |

| # <sup>1</sup> | A <sup>2</sup> | Description                                                                                                                      | Yes | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
|----------------|----------------|----------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| R1             | OI             | <b>CHAIN-OF-CUSTODY (C-O-C)</b>                                                                                                  |     |    |                 |                 |                  |
|                |                | 1) Did all samples meet the laboratory's standard conditions of sample acceptability upon receipt?                               | X   |    |                 |                 |                  |
|                |                | 2) Were all departures from standard conditions described in an exception report or case narrative?                              | X   |    |                 |                 |                  |
| R2             | OI             | <b>SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION</b>                                                                            |     |    |                 |                 |                  |
|                |                | 1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?                                                | X   |    |                 |                 |                  |
|                |                | 2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?                                                  | X   |    |                 |                 |                  |
| R3             | OI             | <b>TEST REPORTS</b>                                                                                                              |     |    |                 |                 |                  |
|                |                | 1) Were all samples prepared and analyzed within holding time?                                                                   | X   |    |                 |                 |                  |
|                |                | 2) Other than those results <MQL, were all other raw values bracketed by calibration standards?                                  | X   |    |                 |                 |                  |
|                |                | 3) Were calculations checked by a peer or supervisor?                                                                            | X   |    |                 |                 |                  |
|                |                | 4) Were all analyte identifications checked by a peer or supervisor?                                                             | X   |    |                 |                 |                  |
|                |                | 5) Were sample quantitation limits reported for all analytes not detected?                                                       | X   |    |                 |                 |                  |
|                |                | 6) Were all results for soil and sediment samples reported on a dry weight basis?                                                | X   |    |                 |                 |                  |
|                |                | 7) Were %moisture (or solids) reported for all soil and sediment samples?                                                        | X   |    |                 |                 |                  |
|                |                | 8) If required for the project, TICs reported?                                                                                   |     |    | X               |                 |                  |
| R4             | O              | <b>SURROGATE RECOVERY DATA</b>                                                                                                   |     |    |                 |                 |                  |
|                |                | 1) Were surrogates added prior to extraction?                                                                                    | X   |    |                 |                 |                  |
|                |                | 2) Were surrogate percent recoveries in all samples within the laboratory QC limits?                                             |     | X  |                 |                 | 1                |
| R5             | OI             | <b>TEST REPORTS/SUMMARY FORMS FOR BLANK SAMPLES</b>                                                                              |     |    |                 |                 |                  |
|                |                | 1) Were appropriate type(s) of blanks analyzed?                                                                                  | X   |    |                 |                 |                  |
|                |                | 2) Were blanks analyzed at the appropriate frequency?                                                                            | X   |    |                 |                 |                  |
|                |                | 3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X   |    |                 |                 |                  |
|                |                | 4) Were blank concentrations <MQL?                                                                                               | X   |    |                 |                 |                  |
| R6             | OI             | <b>LABORATORY CONTROL SAMPLES (LCS)</b>                                                                                          |     |    |                 |                 |                  |
|                |                | 1) Were all COCs included in the LCS?                                                                                            | X   |    |                 |                 |                  |
|                |                | 2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?                                 | X   |    |                 |                 |                  |
|                |                | 3) Were LCSs analyzed at the required frequency?                                                                                 | X   |    |                 |                 |                  |
|                |                | 4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?                                                       | X   |    |                 |                 |                  |
|                |                | 5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?    | X   |    |                 |                 |                  |
|                |                | 6) Was the LCSD RPD within QC limits?                                                                                            | X   |    |                 |                 |                  |
| R7             | OI             | <b>MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA</b>                                                                   |     |    |                 |                 |                  |
|                |                | 1) Were the project/method specified analytes included in the MS and MSD?                                                        | X   |    |                 |                 |                  |
|                |                | 2) Were MS/MSD analyzed at the appropriate frequency?                                                                            | X   |    |                 |                 |                  |
|                |                | 3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?                                                         | X   |    |                 |                 |                  |
| 4              |                | 4) Were MS/MSD RPDs within laboratory QC limits?                                                                                 |     | X  |                 |                 | 2                |
| R8             | OI             | <b>ANALYTICAL DUPLICATE DATA</b>                                                                                                 |     |    |                 |                 |                  |
|                |                | 1) Were appropriate analytical duplicates analyzed for each matrix?                                                              |     |    | X               |                 |                  |
|                |                | 2) Were analytical duplicates analyzed at the appropriate frequency?                                                             |     |    | X               |                 |                  |
|                |                | 3) Were RPDs or relative standard deviations within the laboratory QC limits?                                                    |     |    | X               |                 |                  |
| R9             | OI             | <b>METHOD QUANTITATION LIMITS (MQLs)</b>                                                                                         |     |    |                 |                 |                  |
|                |                | 1) Are the MQLs for each method analyte listed and included in the laboratory data package?                                      | X   |    |                 |                 |                  |
|                |                | 2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?                                      | X   |    |                 |                 |                  |
|                |                | 3) Are unadjusted MQLs included in the laboratory data package?                                                                  | X   |    |                 |                 |                  |
| R10            | OI             | <b>OTHER PROBLEMS/ANOMALIES</b>                                                                                                  |     |    |                 |                 |                  |
|                |                | 1) Are all known problems/anomalies/special conditions noted in this LRC, ER, or case narrative?                                 | X   |    |                 |                 |                  |
|                |                | 2) Were all necessary corrective actions performed for the reported data?                                                        | X   |    |                 |                 |                  |
|                |                | 3) If requested, is the justification for elevated SQLs documented?                                                              | X   |    |                 |                 |                  |

**STL Corpus Christi**  
**TCEQ Laboratory Review Checklist – Supporting Data**  
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|                         |                                      |
|-------------------------|--------------------------------------|
| LRC Date: June 28, 2007 | Laboratory Job Number: 560-4994-1    |
| Reviewer: Julie Darrow  | Project Name/Number: Eunice Landfarm |

| # <sup>1</sup> | A <sup>2</sup> | Description                                                                                                                                           | Yes | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
|----------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| <b>S1</b>      | <b>OI</b>      | <b>INITIAL CALIBRATION (ICAL)</b>                                                                                                                     |     |    |                 |                 |                  |
|                |                | 1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits?                                         | X   |    |                 |                 |                  |
|                |                | 2) Were percent RSDs or correlation coefficient criteria met?                                                                                         | X   |    |                 |                 |                  |
|                |                | 3) Was the number of standards recommended in the method used for all analytes?                                                                       | X   |    |                 |                 |                  |
|                |                | 4) Were all points generated between the lowest and highest standard used to calculate the curve?                                                     | X   |    |                 |                 |                  |
|                |                | 5) Are ICAL data available for all instruments used?                                                                                                  | X   |    |                 |                 |                  |
|                |                | 6) Has the initial calibration curve been verified using an appropriate second source standard?                                                       | X   |    |                 |                 |                  |
| <b>S2</b>      | <b>OI</b>      | <b>INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICV and CCV)</b>                                                                                  |     |    |                 |                 |                  |
|                |                | 1) Was the CCV analyzed at the method-required frequency?                                                                                             | X   |    |                 |                 |                  |
|                |                | 2) Were percent differences for each analytes within the method-required QC limits?                                                                   | X   |    |                 |                 |                  |
|                |                | 3) Was the ICAL curve verified for each analyte?                                                                                                      | X   |    |                 |                 |                  |
|                |                | 4) Was the absolute value of the analyte concentration in the inorganic CCB <MDL?                                                                     | X   |    |                 |                 |                  |
| <b>S3</b>      | <b>O</b>       | <b>MASS SPECTRAL TUNING</b>                                                                                                                           |     |    |                 |                 |                  |
|                |                | 1) Was the appropriate compound for the method used for tuning?                                                                                       | X   |    |                 |                 |                  |
|                |                | 2) Were ion abundance data within the method-required QC limits?                                                                                      | X   |    |                 |                 |                  |
| <b>S4</b>      | <b>O</b>       | <b>INTERNAL STANDARDS (IS)</b>                                                                                                                        |     |    |                 |                 |                  |
|                |                | 1) Were IS area counts and retention times within the method-required QC limits?                                                                      | X   |    |                 |                 |                  |
| <b>S5</b>      | <b>OI</b>      | <b>RAW DATA (NELAC SECTION 1 APPENDIX A GLOSSARY, AND SECTION 5.12)</b>                                                                               |     |    |                 |                 |                  |
|                |                | 1) Were the raw data (e.g. chromatograms, spectral data) reviewed by an analyst?                                                                      | X   |    |                 |                 |                  |
|                |                | 2) Were data associated with manual integrations flagged on the raw data?                                                                             |     |    | X               |                 |                  |
| <b>S6</b>      | <b>O</b>       | <b>DUAL COLUMN CONFIRMATION</b>                                                                                                                       |     |    |                 |                 |                  |
|                |                | 1) Did dual column confirmation results meet the method-required QC?                                                                                  |     |    | X               |                 |                  |
| <b>S7</b>      | <b>O</b>       | <b>TENTATIVELY IDENTIFIED COMPOUNDS (TICs)</b>                                                                                                        |     |    |                 |                 |                  |
|                |                | 1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?                                                          |     |    | X               |                 |                  |
| <b>S8</b>      | <b>I</b>       | <b>INTERFERENCE CHECK SAMPLE (ICS) RESULTS</b>                                                                                                        |     |    |                 |                 |                  |
|                |                | 1) Were percent recoveries within method QC limits?                                                                                                   |     |    | X               |                 |                  |
| <b>S9</b>      | <b>I</b>       | <b>SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD ADDITION</b>                                                                       |     |    |                 |                 |                  |
|                |                | 1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?                                              |     |    | X               |                 |                  |
| <b>S10</b>     | <b>OI</b>      | <b>PROFICIENCY TEST REPORTS</b>                                                                                                                       |     |    |                 |                 |                  |
|                |                | 1) Are proficiency testing or interlaboratory comparison results on file?                                                                             | X   |    |                 |                 |                  |
| <b>S11</b>     | <b>OI</b>      | <b>METHOD DETECTION LIMIT (MDL) STUDIES</b>                                                                                                           |     |    |                 |                 |                  |
|                |                | 1) Was a MDL study performed for each reported analyte?                                                                                               | X   |    |                 |                 |                  |
|                |                | 2) Is the MDL either adjusted or supported by the analysis of DCS?                                                                                    | X   |    |                 |                 |                  |
| <b>S12</b>     | <b>OI</b>      | <b>STANDARDS DOCUMENTATION</b>                                                                                                                        |     |    |                 |                 |                  |
|                |                | 1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?                                                  | X   |    |                 |                 |                  |
| <b>S13</b>     | <b>OI</b>      | <b>COMPOUND/ANALYTE IDENTIFICATION PROCEDURES</b>                                                                                                     |     |    |                 |                 |                  |
|                |                | 1) Are the procedures for compound/analyte identification documented?                                                                                 | X   |    |                 |                 |                  |
| <b>S14</b>     | <b>OI</b>      | <b>DEMONSTRATION OF ANALYST COMPETENCY (DOC)</b>                                                                                                      |     |    |                 |                 |                  |
|                |                | 1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2?                                                                                       | X   |    |                 |                 |                  |
|                |                | 2) Is documentation of the analyst's competency up-to-date and on file?                                                                               | X   |    |                 |                 |                  |
| <b>S15</b>     | <b>OI</b>      | <b>VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS</b>                                                                                              |     |    |                 |                 |                  |
|                |                | 1) Are all the methods used to generate the data documented, verified, and validated, where applicable (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)? | X   |    |                 |                 |                  |
| <b>S16</b>     | <b>OI</b>      | <b>LABORATORY STANDARD OPERATING PROCEDURES (SOPs)</b>                                                                                                |     |    |                 |                 |                  |
|                |                | 1) Are laboratory SOPs current and on file for each method performed?                                                                                 | X   |    |                 |                 |                  |

# STL Corpus Christi TCEQ Laboratory Review Checklist – Exception Reports

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|                         |                                      |
|-------------------------|--------------------------------------|
| LRC Date: June 28, 2007 | Laboratory Job Number: 560-4994-1    |
| Reviewer: Julie Darrow  | Project Name/Number: Eunice Landfarm |

| ER# <sup>5</sup> | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                | EPA Method 8021B (QC Batch #560-12266): The percent recovery result for the surrogate associated with sample 2 was above the acceptance criteria for 4-bromofluorobenzene. The method blank and LCS were within acceptable limits and the out of control data are due to matrix interference. Therefore, re-extraction and re-analysis were not performed. The data are therefore reported. |
| 2                | EPA Method 8021B (QC Batch #560-12266): The relative percent deviation (RPD) for the matrix spike and matrix spike duplicate associated with sample 5 was above the acceptance criteria for most analytes; however, individually, the matrix spike and matrix spike duplicate were within acceptable limits. The data are therefore reported.                                               |
|                  |                                                                                                                                                                                                                                                                                                                                                                                             |

- 1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s).  
Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
- 2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable)
- 3 NA = Not applicable
- 4 NR = Not reviewed
- 5 ER# = Exception Report identification number (an Exception Report should be completed for an it
- 6 and "NR" or "No" is checked)

## METHOD SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-4994-1

| Description                                                              | Lab Location | Method              | Preparation Method |
|--------------------------------------------------------------------------|--------------|---------------------|--------------------|
| <b>Matrix: Solid</b>                                                     |              |                     |                    |
| Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics) | STL CC       | SW846 8015B         |                    |
| Purge and Trap for Solids                                                | STL CC       |                     | SW846 5030B        |
| Aromatic and Halogenated VOCs by Gas Chromatography using PID or ELCD    | STL CC       | SW846 8021B         |                    |
| Purge and Trap for Solids                                                | STL CC       |                     | SW846 5030B        |
| Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)   | STL CC       | SW846 8015B         |                    |
| Ultrasonic Extraction                                                    | STL CC       |                     | SW846 3550B        |
| Anions by Ion Chromatography                                             | STL CC       | SW846 9056          |                    |
| Deionized Water Leaching Procedure (Routine)                             | STL CC       |                     | ASTM NONE          |
| Percent Moisture                                                         | STL CC       | EPA PercentMoisture |                    |

### LAB REFERENCES:

STL CC = STL Corpus Christi

### METHOD REFERENCES:

EPA - US Environmental Protection Agency

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## METHOD / ANALYST SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-4994-1

| <b>Method</b> | <b>Analyst</b>    | <b>Analyst ID</b> |
|---------------|-------------------|-------------------|
| SW846 8015B   | Gonzales, Roman J | RJG               |
| SW846 8021B   | Gonzales, Roman J | RJG               |
| SW846 8015B   | Cady, Iryna M     | IMC               |
| SW846 9056    | Alvarez, Tracy L  | TLA               |



## SAMPLE SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-4994-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time<br>Sampled | Date/Time<br>Received |
|---------------|------------------|---------------|----------------------|-----------------------|
| 560-4994-1    | CELL 1 A (0-1)   | Solid         | 06/07/2007 1225      | 06/08/2007 1103       |
| 560-4994-2    | CELL 1 C (0-1)   | Solid         | 06/07/2007 1318      | 06/08/2007 1103       |
| 560-4994-3    | CELL 1 C-1 (0-1) | Solid         | 06/07/2007 1332      | 06/08/2007 1103       |
| 560-4994-4    | CELL 1 B (0-1)   | Solid         | 06/07/2007 1350      | 06/08/2007 1103       |
| 560-4994-5    | CELL 1 A-1 (0-1) | Solid         | 06/07/2007 1408      | 06/08/2007 1103       |

## **SAMPLE RESULTS**

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice Groundwater      ATTN: Ms. Michelle Green      Job Number: 560-4994-1      SDG Number: Eunice Landfarm SOILS 6-0108

Client Sample ID: CELL 1 A (0-1)

Lab Sample ID: 560-4994-1      Date Sampled: 06/07/2007 12:25  
 Client Matrix: Solid      Date Received: 06/08/2007 11:03

| TEST METHOD                               | CAS #      | RESULT   | Q | FLAG | MDL   | MQL  | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-------------------------------------------|------------|----------|---|------|-------|------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3550B, Solid</b>         |            |          |   |      |       |      |       |       |                    |       |      |         |
| Ultrasonic Extraction                     | NA         | Complete |   |      |       |      |       | NA    | 06/20/2007 10:00   | 12717 | 1    | LPM     |
| <b>Method: SW846 5030B, Solid</b>         |            |          |   |      |       |      |       |       |                    |       |      |         |
| Purge and Trap for Solids                 | NA         | Complete |   |      |       |      |       | NA    | 06/09/2007 14:25   | 12272 | 1    |         |
| Purge and Trap for Solids                 | NA         | Complete |   |      |       |      |       | NA    | 06/12/2007 11:57   | 12266 | 1    |         |
| <b>Method: SW846 9056, Solid, Soluble</b> |            |          |   |      |       |      |       |       |                    |       |      |         |
| Chloride                                  | 16887-00-6 | 16       |   |      | 1.4   | 5.0  | 1.4   | mg/Kg | 06/13/2007 11:38   | 12264 | 1    | TLA     |
| <b>Method: SW846 8015B, Solid</b>         |            |          |   |      |       |      |       |       |                    |       |      |         |
| GRO                                       | STL00215   | 0.070    | U |      | 0.080 | 0.25 | 0.070 | mg/Kg | 06/09/2007 14:25   | 12272 | 1    | RJG     |
| C10-C28                                   | STL00143   | 340      |   |      | 4.2   | 10   | 4.2   | mg/Kg | 06/27/2007 12:58   | 12717 | 1    | IMC     |
| <b>Surrogates</b>                         |            |          |   |      |       |      |       |       |                    |       |      |         |

| Test Method                 | CAS Number | QC | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|----|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |    | 1        | 10     | 17.4       | 60     | 28.0-150. |         |            | NOEQUIP    | 6/9/2007 2:25:00PM  | RJG     |
| o-Terphenyl                 | 84-15-1    |    | 1        | 7.5    | 8.33       | 90     | 29-140    |         | 12491      | SVGC#4     | 6/27/2007 12:58:00F | IMC     |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice Groundwater ATTN: Ms. Michelle Green  
 Job Number: 560-4994-1  
 SDG Number: Eunice Landfarm SOILS 6-0108

Client Sample ID: CELL 1 A (0-1)

Lab Sample ID: 560-4994-1 Date Sampled: 06/07/2007 12:25  
 Client Matrix: Solid Date Received: 06/08/2007 11:03

| TEST METHOD                       | CAS #       | RESULT | Q | FLAG | MDL    | MQL    | SQL    | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------|-------------|--------|---|------|--------|--------|--------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8021B, Solid</b> |             |        |   |      |        |        |        |       |                    |       |      |         |
| Benzene                           | 71-43-2     | 0.037  |   |      | 0.0019 | 0.0050 | 0.0016 | mg/Kg | 06/12/2007 11:57   | 12266 | 1    | RJG     |
| Ethylbenzene                      | 100-41-4    | 0.0020 | J |      | 0.0022 | 0.0050 | 0.0019 | mg/Kg | 06/12/2007 11:57   | 12266 | 1    | RJG     |
| m-Xylene & p-Xylene               | 136777-61-2 | 0.0079 | J |      | 0.0045 | 0.010  | 0.0039 | mg/Kg | 06/12/2007 11:57   | 12266 | 1    | RJG     |
| Methyl tert-butyl ether           | 1634-04-4   | 0.0080 | U |      | 0.0092 | 0.025  | 0.0080 | mg/Kg | 06/12/2007 11:57   | 12266 | 1    | RJG     |
| o-Xylene                          | 95-47-6     | 0.0051 |   |      | 0.0022 | 0.0050 | 0.0019 | mg/Kg | 06/12/2007 11:57   | 12266 | 1    | RJG     |
| Toluene                           | 108-88-3    | 0.0038 | J |      | 0.0021 | 0.0050 | 0.0018 | mg/Kg | 06/12/2007 11:57   | 12266 | 1    | RJG     |
| Xylenes, Total                    | 1330-20-7   | 0.013  | J |      | 0.0067 | 0.015  | 0.0058 | mg/Kg | 06/12/2007 11:57   | 12266 | 1    | RJG     |

## Surrogates

| Test Method                 | CAS Number | QC | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|----|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |    | 1        | 0.010  | 0.0174     | 58     | 51-127    |         |            | VGC#3      | 6/12/2007 11:57:00A | RJG     |
| Trifluorotoluene (Surr)     | 98-08-8    |    | 1        | 0.015  | 0.0174     | 86     | 50-129    |         |            | VGC#3      | 6/12/2007 11:57:00A | RJG     |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice Groundwater ATTN: Ms. Michelle Green Job Number: 560-4994-1  
 SDG Number: Eunice Landfarm SOILS 6-0108

Client Sample ID: CELL 1 C (0-1)

Lab Sample ID: 560-4994-2 Date Sampled: 06/07/2007 13:18  
 Client Matrix: Solid Date Received: 06/08/2007 11:03

| TEST METHOD                               | CAS #      | RESULT   | Q | FLAG | MDL   | SQL  | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-------------------------------------------|------------|----------|---|------|-------|------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3550B, Solid</b>         |            |          |   |      |       |      |       |                    |       |      |         |
| Ultrasonic Extraction                     | NA         | Complete |   |      |       |      | NA    | 06/20/2007 10:00   | 12717 | 10   | LPM     |
| <b>Method: SW846 5030B, Solid</b>         |            |          |   |      |       |      |       |                    |       |      |         |
| Purge and Trap for Solids                 | NA         | Complete |   |      |       |      | NA    | 06/09/2007 16:48   | 12272 | 5    |         |
| Purge and Trap for Solids                 | NA         | Complete |   |      |       |      | NA    | 06/12/2007 11:27   | 12266 | 1    |         |
| <b>Method: SW846 9056, Solid, Soluble</b> |            |          |   |      |       |      |       |                    |       |      |         |
| Chloride                                  | 16887-00-6 | 27       |   |      | 1.4   | 5.0  | 1.4   | 06/13/2007 11:38   | 12264 | 1    | TLA     |
| <b>Method: SW846 8015B, Solid</b>         |            |          |   |      |       |      |       |                    |       |      |         |
| GRO                                       | STL00215   | 69       |   |      | 0.080 | 0.25 | 2.0   | 06/09/2007 16:48   | 12272 | 5    | RJG     |
| C10-C28                                   | STL00143   | 1800     |   |      | 4.2   | 10   | 42    | 06/27/2007 12:06   | 12717 | 10   | IMC     |
| <b>Surrogates</b>                         |            |          |   |      |       |      |       |                    |       |      |         |

| Test Method                 | CAS Number | QC | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|----|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |    | 5        | 2200   | 490        | 443    | 28.0-150. | X       |            | NOEQUIP    | 6/9/2007 4:48:00PM  | RJG     |
| o-Terphenyl                 | 84-15-1    |    | 10       | 8.8    | 8.33       | 105    | 29-140    |         | 12491      | SVGC#4     | 6/27/2007 12:06:00F | IMC     |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice Groundwater ATTN: Ms. Michelle Green Job Number: 560-4994-1  
 Client Sample ID: CELL 1 C (0-1) SDG Number: Eunice Landfarm SOILS 6-0108

Lab Sample ID: 560-4994-2  
 Client Matrix: Solid  
 Date Sampled: 06/07/2007 13:18  
 Date Received: 06/08/2007 11:03

| TEST METHOD                       | CAS #       | RESULT | Q | FLAG | MDL    | MQL    | SQL    | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------|-------------|--------|---|------|--------|--------|--------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8021B, Solid</b> |             |        |   |      |        |        |        |       |                    |       |      |         |
| Benzene                           | 71-43-2     | 0.0094 | J |      | 0.0019 | 0.0050 | 0.0093 | mg/Kg | 06/12/2007 11:27   | 12266 | 1    | RJG     |
| Ethylbenzene                      | 100-41-4    | 0.011  | U |      | 0.0022 | 0.0050 | 0.011  | mg/Kg | 06/12/2007 11:27   | 12266 | 1    | RJG     |
| m-Xylene & p-Xylene               | 136777-61-2 | 0.022  | U |      | 0.0045 | 0.010  | 0.022  | mg/Kg | 06/12/2007 11:27   | 12266 | 1    | RJG     |
| Methyl tert-butyl ether           | 1634-04-4   | 0.045  | U |      | 0.0092 | 0.025  | 0.045  | mg/Kg | 06/12/2007 11:27   | 12266 | 1    | RJG     |
| o-Xylene                          | 95-47-6     | 0.11   |   |      | 0.0022 | 0.0050 | 0.011  | mg/Kg | 06/12/2007 11:27   | 12266 | 1    | RJG     |
| Toluene                           | 108-88-3    | 0.031  |   |      | 0.0021 | 0.0050 | 0.010  | mg/Kg | 06/12/2007 11:27   | 12266 | 1    | RJG     |
| Xylenes, Total                    | 1330-20-7   | 0.13   |   |      | 0.0067 | 0.015  | 0.033  | mg/Kg | 06/12/2007 11:27   | 12266 | 1    | RJG     |

## Surrogates

| Test Method                 | CAS Number | QC | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|----|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |    | 1        | 0.079  | 0.0980     | 81     | 51-127    |         |            | VGC#3      | 6/12/2007 11:27:00A | RJG     |
| Trifluorotoluene (Surr)     | 98-08-8    |    | 1        | 0.10   | 0.0980     | 105    | 50-129    |         |            | VGC#3      | 6/12/2007 11:27:00A | RJG     |

# Analytical Data

Client: Larson & Associates, Inc. Job Number: 560-4994-1  
 Project: Eunice Groundwater ATTN: Ms. Michelle Green  
 SDG Number: Eunice Landfarm SOILS 6-0108

Client Sample ID: CELL 1 C-1 (0-1)

Lab Sample ID: 560-4994-3 Date Sampled: 06/07/2007 13:32  
 Client Matrix: Solid Date Received: 06/08/2007 11:03

| TEST METHOD                             | CAS #      | RESULT   | Q | FLAG | MDL   | SQL  | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------------|------------|----------|---|------|-------|------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3550B,Solid</b>        |            |          |   |      |       |      |       |                    |       |      |         |
| Ultrasonic Extraction                   | NA         | Complete |   |      |       |      | NA    | 06/20/2007 10:00   | 12717 | 1    | LPM     |
| <b>Method: SW846 5030B,Solid</b>        |            |          |   |      |       |      |       |                    |       |      |         |
| Purge and Trap for Solids               | NA         | Complete |   |      |       |      | NA    | 06/09/2007 15:22   | 12272 | 1    |         |
| Purge and Trap for Solids               | NA         | Complete |   |      |       |      | NA    | 06/12/2007 12:27   | 12266 | 1    |         |
| <b>Method: SW846 9056,Solid,Soluble</b> |            |          |   |      |       |      |       |                    |       |      |         |
| Chloride                                | 16887-00-6 | 77       |   |      | 1.4   | 5.0  | mg/Kg | 06/13/2007 11:38   | 12264 | 1    | TLA     |
| <b>Method: SW846 8015B,Solid</b>        |            |          |   |      |       |      |       |                    |       |      |         |
| GRO                                     | STL00215   | 0.10     | J |      | 0.080 | 0.25 | mg/Kg | 06/09/2007 15:22   | 12272 | 1    | RJG     |
| C10-C28                                 | STL00143   | 170      |   |      | 4.2   | 10   | mg/Kg | 06/27/2007 12:15   | 12717 | 1    | IMC     |
| <b>Surrogates</b>                       |            |          |   |      |       |      |       |                    |       |      |         |

| Test Method                 | CAS Number | QC | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|----|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |    | 1        | 14     | 17.5       | 78     | 28.0-150. |         |            | NOEQUIP    | 6/9/2007 3:22:00PM  | RJG     |
| o-Terphenyl                 | 84-15-1    |    | 1        | 6.9    | 8.33       | 83     | 29-140    |         | 12491      | SVGC#4     | 6/27/2007 12:15:00F | IMC     |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice Groundwater ATTN: Ms. Michelle Green  
 Job Number: 560-4994-1  
 SDG Number: Eunice Landfarm SOILS 6-0108

Client Sample ID: CELL 1 C-1 (0-1)

Lab Sample ID: 560-4994-3 Date Sampled: 06/07/2007 13:32  
 Client Matrix: Solid Date Received: 06/08/2007 11:03

| TEST METHOD                       | CAS #       | RESULT | Q | FLAG | MDL    | SQL    | UNITS  | Analysis Date/Time | Batch            | D.F.  | Analyst |
|-----------------------------------|-------------|--------|---|------|--------|--------|--------|--------------------|------------------|-------|---------|
| <b>Method: SW846 8021B, Solid</b> |             |        |   |      |        |        |        |                    |                  |       |         |
| Benzene                           | 71-43-2     | 0.0017 | U |      | 0.0019 | 0.0050 | 0.0017 | mg/Kg              | 06/12/2007 12:27 | 12266 | 1 RJG   |
| Ethylbenzene                      | 100-41-4    | 0.0019 | U |      | 0.0022 | 0.0050 | 0.0019 | mg/Kg              | 06/12/2007 12:27 | 12266 | 1 RJG   |
| m-Xylene & p-Xylene               | 136777-61-2 | 0.0039 | U |      | 0.0045 | 0.010  | 0.0039 | mg/Kg              | 06/12/2007 12:27 | 12266 | 1 RJG   |
| Methyl tert-butyl ether           | 1634-04-4   | 0.0081 | U |      | 0.0092 | 0.025  | 0.0081 | mg/Kg              | 06/12/2007 12:27 | 12266 | 1 RJG   |
| o-Xylene                          | 95-47-6     | 0.0019 | U |      | 0.0022 | 0.0050 | 0.0019 | mg/Kg              | 06/12/2007 12:27 | 12266 | 1 RJG   |
| Toluene                           | 108-88-3    | 0.0018 | U |      | 0.0021 | 0.0050 | 0.0018 | mg/Kg              | 06/12/2007 12:27 | 12266 | 1 RJG   |
| Xylenes, Total                    | 1330-20-7   | 0.0058 | U |      | 0.0067 | 0.015  | 0.0058 | mg/Kg              | 06/12/2007 12:27 | 12266 | 1 RJG   |

## Surrogates

| Test Method                 | CAS Number | QC | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|----|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |    | 1        | 0.012  | 0.0175     | 70     | 51-127    |         |            | VGC#3      | 6/12/2007 12:27:00F | RJG     |
| Trifluorotoluene (Surr)     | 98-08-8    |    | 1        | 0.017  | 0.0175     | 98     | 50-129    |         |            | VGC#3      | 6/12/2007 12:27:00F | RJG     |



# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice Groundwater      ATTN: Ms. Michelle Green      Job Number: 560-4994-1      SDG Number: Eunice Landfarm SOILS 6-0108

Client Sample ID: CELL 1 B (0-1)

Lab Sample ID: 560-4994-4      Date Sampled: 06/07/2007 13:50  
 Client Matrix: Solid      Date Received: 06/08/2007 11:03

| TEST METHOD                               | CAS #      | RESULT   | Q | FLAG | MDL   | MQL  | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-------------------------------------------|------------|----------|---|------|-------|------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3550B, Solid</b>         |            |          |   |      |       |      |       |       |                    |       |      |         |
| Ultrasonic Extraction                     | NA         | Complete |   |      |       |      |       | NA    | 06/20/2007 10:00   | 12717 | 1    | LPM     |
| <b>Method: SW846 5030B, Solid</b>         |            |          |   |      |       |      |       |       |                    |       |      |         |
| Purge and Trap for Solids                 | NA         | Complete |   |      |       |      |       | NA    | 06/09/2007 15:51   | 12272 | 1    |         |
| Purge and Trap for Solids                 | NA         | Complete |   |      |       |      |       | NA    | 06/12/2007 13:02   | 12266 | 1    |         |
| <b>Method: SW846 9056, Solid, Soluble</b> |            |          |   |      |       |      |       |       |                    |       |      |         |
| Chloride                                  | 16887-00-6 | 7.5      |   |      | 1.4   | 5.0  | 1.4   | mg/Kg | 06/13/2007 11:38   | 12264 | 1    | TLA     |
| <b>Method: SW846 8015B, Solid</b>         |            |          |   |      |       |      |       |       |                    |       |      |         |
| GRO                                       | STL00215   | 0.070    | U |      | 0.080 | 0.25 | 0.070 | mg/Kg | 06/09/2007 15:51   | 12272 | 1    | RJG     |
| C10-C28                                   | STL00143   | 23       | J |      | 4.2   | 10   | 4.2   | mg/Kg | 06/27/2007 12:24   | 12717 | 1    | IMC     |
| <b>Surrogates</b>                         |            |          |   |      |       |      |       |       |                    |       |      |         |

| Test Method                 | CAS Number | QC | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|----|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |    | 1        | 14     | 17.5       | 80     | 28.0-150. |         |            | NOEQUIP    | 6/9/2007 3:51:00PM  | RJG     |
| o-Terphenyl                 | 84-15-1    |    | 1        | 6.7    | 8.33       | 81     | 29-140    |         | 12491      | SVGC#4     | 6/27/2007 12:24:00F | IMC     |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice Groundwater ATTN: Ms. Michelle Green  
 Job Number: 560-4994-1  
 SDG Number: Eunice Landfarm SOILS 6-0108

Client Sample ID: CELL 1 B (0-1)

Lab Sample ID: 560-4994-4 Date Sampled: 06/07/2007 13:50  
 Client Matrix: Solid Date Received: 06/08/2007 11:03

| TEST METHOD                       | CAS #       | RESULT | Q | FLAG | MDL    | MQL    | SQL    | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------|-------------|--------|---|------|--------|--------|--------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8021B, Solid</b> |             |        |   |      |        |        |        |       |                    |       |      |         |
| Benzene                           | 71-43-2     | 0.0019 | J |      | 0.0019 | 0.0050 | 0.0016 | mg/Kg | 06/12/2007 13:02   | 12266 | 1    | RJG     |
| Ethylbenzene                      | 100-41-4    | 0.0019 | U |      | 0.0022 | 0.0050 | 0.0019 | mg/Kg | 06/12/2007 13:02   | 12266 | 1    | RJG     |
| m-Xylene & p-Xylene               | 136777-61-2 | 0.0039 | U |      | 0.0045 | 0.010  | 0.0039 | mg/Kg | 06/12/2007 13:02   | 12266 | 1    | RJG     |
| Methyl tert-butyl ether           | 1634-04-4   | 0.0080 | U |      | 0.0092 | 0.025  | 0.0080 | mg/Kg | 06/12/2007 13:02   | 12266 | 1    | RJG     |
| o-Xylene                          | 95-47-6     | 0.0019 | U |      | 0.0022 | 0.0050 | 0.0019 | mg/Kg | 06/12/2007 13:02   | 12266 | 1    | RJG     |
| Toluene                           | 108-88-3    | 0.0018 | U |      | 0.0021 | 0.0050 | 0.0018 | mg/Kg | 06/12/2007 13:02   | 12266 | 1    | RJG     |
| Xylenes, Total                    | 1330-20-7   | 0.0058 | U |      | 0.0067 | 0.015  | 0.0058 | mg/Kg | 06/12/2007 13:02   | 12266 | 1    | RJG     |

## Surrogates

| Test Method                 | CAS Number | QC | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time | Analyst |
|-----------------------------|------------|----|----------|--------|------------|--------|-----------|---------|------------|------------|--------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |    | 1        | 0.013  | 0.0175     | 72     | 51-127    |         |            | VGC#3      | 6/12/2007 1:02:00P | RJG     |
| Trifluorotoluene (Surr)     | 98-08-8    |    | 1        | 0.016  | 0.0175     | 94     | 50-129    |         |            | VGC#3      | 6/12/2007 1:02:00P | RJG     |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice Groundwater      ATTN: Ms. Michelle Green      Job Number: 560-4994-1      SDG Number: Eunice Landfarm SOILS 6-0108

Client Sample ID: CELL 1 A-1 (0-1)

Lab Sample ID: 560-4994-5      Date Sampled: 06/07/2007 14:08  
 Client Matrix: Solid      Date Received: 06/08/2007 11:03

| TEST METHOD                             | CAS #      | RESULT   | Q | FLAG | MDL   | MQL  | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------------|------------|----------|---|------|-------|------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3550B,Solid</b>        |            |          |   |      |       |      |       |       |                    |       |      |         |
| Ultrasonic Extraction                   | NA         | Complete |   |      |       |      |       | NA    | 06/20/2007 10:00   | 12717 | 1    | LPM     |
| <b>Method: SW846 5030B,Solid</b>        |            |          |   |      |       |      |       |       |                    |       |      |         |
| Purge and Trap for Solids               | NA         | Complete |   |      |       |      |       | NA    | 06/09/2007 16:19   | 12272 | 1    |         |
| Purge and Trap for Solids               | NA         | Complete |   |      |       |      |       | NA    | 06/12/2007 13:52   | 12266 | 1    |         |
| <b>Method: SW846 9056,Solid,Soluble</b> |            |          |   |      |       |      |       |       |                    |       |      |         |
| Chloride                                | 16887-00-6 | 43       |   |      | 1.4   | 5.0  | 1.4   | mg/Kg | 06/13/2007 11:38   | 12264 | 1    | TLA     |
| <b>Method: SW846 8015B,Solid</b>        |            |          |   |      |       |      |       |       |                    |       |      |         |
| GRO                                     | STL00215   | 0.070    | U |      | 0.080 | 0.25 | 0.070 | mg/Kg | 06/09/2007 16:19   | 12272 | 1    | RJG     |
| C10-C28                                 | STL00143   | 21       | J |      | 4.2   | 10   | 4.2   | mg/Kg | 06/27/2007 12:49   | 12717 | 1    | IMC     |
| <b>Surrogates</b>                       |            |          |   |      |       |      |       |       |                    |       |      |         |

| Test Method                 | CAS Number | QC | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|----|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |    | 1        | 13     | 17.5       | 73     | 28.0-150. |         |            | NOEQUIP    | 6/9/2007 4:19:00PM  | RJG     |
| o-Terphenyl                 | 84-15-1    |    | 1        | 6.8    | 8.33       | 82     | 29-140    |         | 12491      | SVGC#4     | 6/27/2007 12:49:00F | IMC     |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice Groundwater ATTN: Ms. Michelle Green  
 Job Number: 560-4994-1  
 SDG Number: Eunice Landfarm SOILS 6-0108

Client Sample ID: CELL 1 A-1 (0-1)

Lab Sample ID: 560-4994-5 Date Sampled: 06/07/2007 14:08  
 Client Matrix: Solid Date Received: 06/08/2007 11:03

| TEST METHOD                      | CAS #       | RESULT | Q | FLAG | MDL    | SQL    | UNITS  | Analysis Date/Time | Batch | D.F. | Analyst |
|----------------------------------|-------------|--------|---|------|--------|--------|--------|--------------------|-------|------|---------|
| <b>Method: SW846 8021B,Solid</b> |             |        |   |      |        |        |        |                    |       |      |         |
| Benzene                          | 71-43-2     | 0.0016 | U |      | 0.0019 | 0.0050 | 0.0016 | 06/12/2007 13:52   | 12266 | 1    | RJG     |
| Ethylbenzene                     | 100-41-4    | 0.0019 | U |      | 0.0022 | 0.0050 | 0.0019 | 06/12/2007 13:52   | 12266 | 1    | RJG     |
| m-Xylene & p-Xylene              | 136777-61-2 | 0.0039 | U |      | 0.0045 | 0.010  | 0.0039 | 06/12/2007 13:52   | 12266 | 1    | RJG     |
| Methyl tert-butyl ether          | 1634-04-4   | 0.0080 | U |      | 0.0092 | 0.025  | 0.0080 | 06/12/2007 13:52   | 12266 | 1    | RJG     |
| o-Xylene                         | 95-47-6     | 0.0019 | U |      | 0.0022 | 0.0050 | 0.0019 | 06/12/2007 13:52   | 12266 | 1    | RJG     |
| Toluene                          | 108-88-3    | 0.0018 | U |      | 0.0021 | 0.0050 | 0.0018 | 06/12/2007 13:52   | 12266 | 1    | RJG     |
| Xylenes, Total                   | 1330-20-7   | 0.0058 | U |      | 0.0067 | 0.015  | 0.0058 | 06/12/2007 13:52   | 12266 | 1    | RJG     |

## Surrogates

| Test Method                 | CAS Number | QC | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time | Analyst |
|-----------------------------|------------|----|----------|--------|------------|--------|-----------|---------|------------|------------|--------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |    | 1        | 0.012  | 0.0174     | 70     | 51-127    |         |            | VGC#3      | 6/12/2007 1:52:00P | RJG     |
| Trifluorotoluene (Surr)     | 98-08-8    |    | 1        | 0.017  | 0.0174     | 96     | 50-129    |         |            | VGC#3      | 6/12/2007 1:52:00P | RJG     |

## DATA REPORTING QUALIFIERS

Client: Larson & Associates, Inc.

Job Number: 560-4994-1

| Lab Section       | Qualifier | Description                                                                                                   |
|-------------------|-----------|---------------------------------------------------------------------------------------------------------------|
| GC VOA            |           |                                                                                                               |
|                   | U         | Analyte was not detected at or above the SQL.                                                                 |
|                   | J         | Result is less than the MQL but greater than or equal to the SQL and the concentration is an estimated value. |
|                   | N         | RPD of the MS and MSD exceeds the control limits                                                              |
|                   | X         | Surrogate exceeds the control limits                                                                          |
| GC Semi VOA       |           |                                                                                                               |
|                   | U         | Analyte was not detected at or above the SQL.                                                                 |
|                   | J         | Result is less than the MQL but greater than or equal to the SQL and the concentration is an estimated value. |
| General Chemistry |           |                                                                                                               |
|                   | U         | Analyte was not detected at or above the SQL.                                                                 |

# QUALITY CONTROL RESULTS

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-4994-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID       | Report<br>Basis | Client Matrix | Method | Prep Batch |
|---------------------------------|------------------------|-----------------|---------------|--------|------------|
| <b>GC VOA</b>                   |                        |                 |               |        |            |
| <b>Analysis Batch:560-12266</b> |                        |                 |               |        |            |
| LCS 560-12266/1                 | Lab Control Spike      | T               | Solid         | 8021B  |            |
| MB 560-12266/2                  | Method Blank           | T               | Solid         | 8021B  |            |
| 560-4994-1                      | CELL 1 A (0-1)         | T               | Solid         | 8021B  |            |
| 560-4994-2                      | CELL 1 C (0-1)         | T               | Solid         | 8021B  |            |
| 560-4994-3                      | CELL 1 C-1 (0-1)       | T               | Solid         | 8021B  |            |
| 560-4994-4                      | CELL 1 B (0-1)         | T               | Solid         | 8021B  |            |
| 560-4994-5                      | CELL 1 A-1 (0-1)       | T               | Solid         | 8021B  |            |
| 560-4994-5MS                    | Matrix Spike           | T               | Solid         | 8021B  |            |
| 560-4994-5MSD                   | Matrix Spike Duplicate | T               | Solid         | 8021B  |            |
| <b>Analysis Batch:560-12272</b> |                        |                 |               |        |            |
| LCS 560-12272/1                 | Lab Control Spike      | T               | Solid         | 8015B  |            |
| MB 560-12272/2                  | Method Blank           | T               | Solid         | 8015B  |            |
| 560-4994-1                      | CELL 1 A (0-1)         | T               | Solid         | 8015B  |            |
| 560-4994-2                      | CELL 1 C (0-1)         | T               | Solid         | 8015B  |            |
| 560-4994-3                      | CELL 1 C-1 (0-1)       | T               | Solid         | 8015B  |            |
| 560-4994-4                      | CELL 1 B (0-1)         | T               | Solid         | 8015B  |            |
| 560-4994-4MS                    | Matrix Spike           | T               | Solid         | 8015B  |            |
| 560-4994-4MSD                   | Matrix Spike Duplicate | T               | Solid         | 8015B  |            |
| 560-4994-5                      | CELL 1 A-1 (0-1)       | T               | Solid         | 8015B  |            |

#### Report Basis

T = Total

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-4994-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID       | Report Basis | Client Matrix | Method | Prep Batch |
|---------------------------------|------------------------|--------------|---------------|--------|------------|
| <b>GC Semi VOA</b>              |                        |              |               |        |            |
| <b>Prep Batch: 560-12491</b>    |                        |              |               |        |            |
| LCS 560-12491/2-A               | Lab Control Spike      | T            | Solid         | 3550B  |            |
| MB 560-12491/1-A                | Method Blank           | T            | Solid         | 3550B  |            |
| 560-4994-1                      | CELL 1 A (0-1)         | T            | Solid         | 3550B  |            |
| 560-4994-2                      | CELL 1 C (0-1)         | T            | Solid         | 3550B  |            |
| 560-4994-3                      | CELL 1 C-1 (0-1)       | T            | Solid         | 3550B  |            |
| 560-4994-4                      | CELL 1 B (0-1)         | T            | Solid         | 3550B  |            |
| 560-4994-4MS                    | Matrix Spike           | T            | Solid         | 3550B  |            |
| 560-4994-4MSD                   | Matrix Spike Duplicate | T            | Solid         | 3550B  |            |
| 560-4994-5                      | CELL 1 A-1 (0-1)       | T            | Solid         | 3550B  |            |
| <b>Analysis Batch:560-12717</b> |                        |              |               |        |            |
| LCS 560-12491/2-A               | Lab Control Spike      | T            | Solid         | 8015B  | 560-12491  |
| MB 560-12491/1-A                | Method Blank           | T            | Solid         | 8015B  | 560-12491  |
| 560-4994-1                      | CELL 1 A (0-1)         | T            | Solid         | 8015B  | 560-12491  |
| 560-4994-2                      | CELL 1 C (0-1)         | T            | Solid         | 8015B  | 560-12491  |
| 560-4994-3                      | CELL 1 C-1 (0-1)       | T            | Solid         | 8015B  | 560-12491  |
| 560-4994-4                      | CELL 1 B (0-1)         | T            | Solid         | 8015B  | 560-12491  |
| 560-4994-4MS                    | Matrix Spike           | T            | Solid         | 8015B  | 560-12491  |
| 560-4994-4MSD                   | Matrix Spike Duplicate | T            | Solid         | 8015B  | 560-12491  |
| 560-4994-5                      | CELL 1 A-1 (0-1)       | T            | Solid         | 8015B  | 560-12491  |

#### Report Basis

T = Total



## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-4994-1

### QC Association Summary

| Lab Sample ID            | Client Sample ID  | Report |               | Method | Prep Batch |
|--------------------------|-------------------|--------|---------------|--------|------------|
|                          |                   | Basis  | Client Matrix |        |            |
| General Chemistry        |                   |        |               |        |            |
| Prep Batch: 560-12263    |                   |        |               |        |            |
| LCS 560-12263/2-AA       | Lab Control Spike | S      | Solid         | NONE   |            |
| MB 560-12263/1-AA        | Method Blank      | S      | Solid         | NONE   |            |
| 560-4994-1               | CELL 1 A (0-1)    | S      | Solid         | NONE   |            |
| 560-4994-2               | CELL 1 C (0-1)    | S      | Solid         | NONE   |            |
| 560-4994-3               | CELL 1 C-1 (0-1)  | S      | Solid         | NONE   |            |
| 560-4994-4               | CELL 1 B (0-1)    | S      | Solid         | NONE   |            |
| 560-4994-5               | CELL 1 A-1 (0-1)  | S      | Solid         | NONE   |            |
| Analysis Batch:560-12264 |                   |        |               |        |            |
| LCS 560-12263/2-AA       | Lab Control Spike | S      | Solid         | 9056   |            |
| MB 560-12263/1-AA        | Method Blank      | S      | Solid         | 9056   |            |
| 560-4994-1               | CELL 1 A (0-1)    | S      | Solid         | 9056   |            |
| 560-4994-2               | CELL 1 C (0-1)    | S      | Solid         | 9056   |            |
| 560-4994-3               | CELL 1 C-1 (0-1)  | S      | Solid         | 9056   |            |
| 560-4994-4               | CELL 1 B (0-1)    | S      | Solid         | 9056   |            |
| 560-4994-5               | CELL 1 A-1 (0-1)  | S      | Solid         | 9056   |            |

#### Report Basis

S = Soluble

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-4994-1

### Method Blank - Batch: 560-12272

Method: 8015B  
Preparation: 5030B

Lab Sample ID: MB 560-12272/2  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 06/09/2007 1357  
Date Prepared: 06/09/2007 1357

Analysis Batch: 560-12272  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                     | Result | Qual              | MDL   | RL   |
|-----------------------------|--------|-------------------|-------|------|
| GRO                         | 0.080  | U                 | 0.080 | 0.25 |
| Surrogate                   | % Rec  | Acceptance Limits |       |      |
| 4-Bromofluorobenzene (Surr) | 87     | 28.0 - 150.0      |       |      |

### Lab Control Spike - Batch: 560-12272

Method: 8015B  
Preparation: 5030B

Lab Sample ID: LCS 560-12272/1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 06/09/2007 1318  
Date Prepared: 06/09/2007 1318

Analysis Batch: 560-12272  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                     | Spike Amount | Result            | % Rec. | Limit        | Qual |
|-----------------------------|--------------|-------------------|--------|--------------|------|
| GRO                         | 1.00         | 0.996             | 100    | 60.0 - 140.0 |      |
| Surrogate                   | % Rec        | Acceptance Limits |        |              |      |
| 4-Bromofluorobenzene (Surr) | 104          | 28.0 - 150.0      |        |              |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-4994-1

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 560-12272

Method: 8015B

Preparation: 5030B

MS Lab Sample ID: 560-4994-4  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 06/09/2007 1716  
Date Prepared: 06/09/2007 1716

Analysis Batch: 560-12272  
Prep Batch: N/A

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5.75 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-4994-4  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 06/09/2007 1745  
Date Prepared: 06/09/2007 1745

Analysis Batch: 560-12272  
Prep Batch: N/A

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5.75 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte | % Rec. |     | Limit        | RPD  | RPD Limit | MS Qual | MSD Qual |
|---------|--------|-----|--------------|------|-----------|---------|----------|
|         | MS     | MSD |              |      |           |         |          |
| GRO     | 67     | 80  | 60.0 - 140.0 | 18.1 | 30.0      |         |          |

| Surrogate                   | MS % Rec | MSD % Rec | Acceptance Limits |
|-----------------------------|----------|-----------|-------------------|
| 4-Bromofluorobenzene (Surr) | 92       | 94        | 28.0 - 150.0      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-4994-1

### Method Blank - Batch: 560-12266

**Method: 8021B**  
**Preparation: 5030B**

Lab Sample ID: MB 560-12266/2  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 06/12/2007 1056  
Date Prepared: 06/12/2007 1056

Analysis Batch: 560-12266  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: HP GC [Method 8021]  
Lab File ID: 06120704.D  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                 | Result | Qual | MDL    | RL     |
|-------------------------|--------|------|--------|--------|
| Benzene                 | 0.0019 | U    | 0.0019 | 0.0050 |
| Toluene                 | 0.0021 | U    | 0.0021 | 0.0050 |
| Ethylbenzene            | 0.0022 | U    | 0.0022 | 0.0050 |
| o-Xylene                | 0.0022 | U    | 0.0022 | 0.0050 |
| m-Xylene & p-Xylene     | 0.0045 | U    | 0.0045 | 0.010  |
| Xylenes, Total          | 0.0067 | U    | 0.0067 | 0.015  |
| Methyl tert-butyl ether | 0.0092 | U    | 0.0092 | 0.025  |

| Surrogate                   | % Rec | Acceptance Limits |
|-----------------------------|-------|-------------------|
| 4-Bromofluorobenzene (Surr) | 76    | 51 - 127          |
| Trifluorotoluene (Surr)     | 100   | 50 - 129          |

### Lab Control Spike - Batch: 560-12266

**Method: 8021B**  
**Preparation: 5030B**

Lab Sample ID: LCS 560-12266/1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 06/12/2007 1026  
Date Prepared: 06/12/2007 1026

Analysis Batch: 560-12266  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: HP GC [Method 8021]  
Lab File ID: 06120703.D  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                 | Spike Amount | Result | % Rec. | Limit    | Qual |
|-------------------------|--------------|--------|--------|----------|------|
| Benzene                 | 0.0200       | 0.0209 | 105    | 76 - 128 |      |
| Toluene                 | 0.0200       | 0.0191 | 96     | 71 - 124 |      |
| Ethylbenzene            | 0.0200       | 0.0183 | 91     | 73 - 122 |      |
| o-Xylene                | 0.0200       | 0.0180 | 90     | 70 - 131 |      |
| m-Xylene & p-Xylene     | 0.0200       | 0.0191 | 95     | 76 - 136 |      |
| Xylenes, Total          | 0.0400       | 0.0371 | 93     | 73 - 133 |      |
| Methyl tert-butyl ether | 0.100        | 0.103  | 103    | 68 - 135 |      |

| Surrogate                   | % Rec | Acceptance Limits |
|-----------------------------|-------|-------------------|
| 4-Bromofluorobenzene (Surr) | 80    | 51 - 127          |
| Trifluorotoluene (Surr)     | 104   | 50 - 129          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-4994-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 560-12266**

**Method: 8021B  
Preparation: 5030B**

MS Lab Sample ID: 560-4994-5  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 06/12/2007 1909  
Date Prepared: 06/12/2007 1909

Analysis Batch: 560-12266  
Prep Batch: N/A

Instrument ID: HP GC [Method 8021]  
Lab File ID: 06120719.D  
Initial Weight/Volume: 5.75 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-4994-5  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 06/12/2007 1939  
Date Prepared: 06/12/2007 1939

Analysis Batch: 560-12266  
Prep Batch: N/A

Instrument ID: HP GC [Method 8021]  
Lab File ID: 06120720.D  
Initial Weight/Volume: 5.75 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                     | % Rec.   |     | Limit     | RPD               | RPD Limit | MS Qual | MSD Qual |
|-----------------------------|----------|-----|-----------|-------------------|-----------|---------|----------|
|                             | MS       | MSD |           |                   |           |         |          |
| Benzene                     | 58       | 78  | 28 - 150  | 29                | 30        |         |          |
| Toluene                     | 53       | 72  | 23 - 150  | 31                | 30        |         | N        |
| Ethylbenzene                | 49       | 71  | 20 - 150  | 36                | 30        |         | N        |
| o-Xylene                    | 45       | 70  | 27 - 150  | 45                | 30        |         | N        |
| m-Xylene & p-Xylene         | 49       | 71  | 26 - 150  | 37                | 30        | J       | N        |
| Xylenes, Total              | 47       | 71  | 20 - 150  | 41                | 30        |         | N        |
| Methyl tert-butyl ether     | 66       | 114 | 20 - 150  | 53                | 30        |         | N        |
| Surrogate                   | MS % Rec |     | MSD % Rec | Acceptance Limits |           |         |          |
| 4-Bromofluorobenzene (Surr) | 80       |     | 69        | 51 - 127          |           |         |          |
| Trifluorotoluene (Surr)     | 96       |     | 92        | 50 - 129          |           |         |          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-4994-1

### Method Blank - Batch: 560-12491

Method: 8015B  
Preparation: 3550B

Lab Sample ID: MB 560-12491/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 06/27/2007 1141  
Date Prepared: 06/20/2007 1000

Analysis Batch: 560-12717  
Prep Batch: 560-12491  
Units: mg/Kg

Instrument ID: Hewlett Packard GC [Meth  
Lab File ID: 06270712.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte     | Result | Qual              | MDL | RL |
|-------------|--------|-------------------|-----|----|
| C10-C28     | 4.2    | U                 | 4.2 | 50 |
| Surrogate   | % Rec  | Acceptance Limits |     |    |
| o-Terphenyl | 74     | 29 - 140          |     |    |

### Lab Control Spike - Batch: 560-12491

Method: 8015B  
Preparation: 3550B

Lab Sample ID: LCS 560-12491/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 06/27/2007 1149  
Date Prepared: 06/20/2007 1000

Analysis Batch: 560-12717  
Prep Batch: 560-12491  
Units: mg/Kg

Instrument ID: Hewlett Packard GC [Meth  
Lab File ID: 06270713.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte     | Spike Amount | Result            | % Rec. | Limit    | Qual |
|-------------|--------------|-------------------|--------|----------|------|
| C10-C28     | 167          | 126               | 76     | 38 - 131 |      |
| Surrogate   | % Rec        | Acceptance Limits |        |          |      |
| o-Terphenyl | 83           | 29 - 140          |        |          |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-4994-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-12491

Method: 8015B  
Preparation: 3550B

MS Lab Sample ID: 560-4994-4  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 06/27/2007 1232  
Date Prepared: 06/20/2007 1000

Analysis Batch: 560-12717  
Prep Batch: 560-12491

Instrument ID: Hewlett Packard GC [Met  
Lab File ID: 06270718.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-4994-4  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 06/27/2007 1241  
Date Prepared: 06/20/2007 1000

Analysis Batch: 560-12717  
Prep Batch: 560-12491

Instrument ID: Hewlett Packard GC [Meth  
Lab File ID: 06270719.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte     | % Rec.   |     | Limit     | RPD               | RPD Limit | MS Qual | MSD Qual |
|-------------|----------|-----|-----------|-------------------|-----------|---------|----------|
|             | MS       | MSD |           |                   |           |         |          |
| C10-C28     | 78       | 72  | 38 - 131  | 6.6               | 30.0      |         |          |
| Surrogate   | MS % Rec |     | MSD % Rec | Acceptance Limits |           |         |          |
| o-Terphenyl | 83       |     | 85        | 29 - 140          |           |         |          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-4994-1

### Method Blank - Batch: 560-12264

Method: 9056  
Preparation: N/A

Lab Sample ID: MB 560-12263/1-AA  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 06/13/2007 1138  
Date Prepared: N/A  
Date Leached: 06/13/2007 1600

Analysis Batch: 560-12264  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

Leachate Batch: 560-12263

| Analyte    | Result | Qual | MDL  | RL   |
|------------|--------|------|------|------|
| Chloride-S | 0.14   | U    | 0.14 | 0.50 |

### Lab Control Spike - Batch: 560-12264

Method: 9056  
Preparation: N/A

Lab Sample ID: LCS 560-12263/2-AA  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 06/13/2007 1138  
Date Prepared: N/A  
Date Leached: 06/13/2007 1600

Analysis Batch: 560-12264  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

Leachate Batch: 560-12263

| Analyte    | Spike Amount | Result | % Rec. | Limit    | Qual |
|------------|--------------|--------|--------|----------|------|
| Chloride-S | 10.0         | 9.35   | 94     | 70 - 130 |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.





## LOGIN SAMPLE RECEIPT CHECK LIST

Client: Larson & Associates, Inc.

Job Number: 560-4994-1

**Login Number: 4994**

| Question                                                                              | T/F/NA | Comment         |
|---------------------------------------------------------------------------------------|--------|-----------------|
| Radioactivity either was not measured or, if measured, is at or below background      | NA     |                 |
| The cooler's custody seal, if present, is intact.                                     | True   |                 |
| <i>The cooler or samples do not appear to have been compromised or tampered with.</i> | True   |                 |
| Samples were received on ice.                                                         | True   |                 |
| Cooler Temperature is acceptable.                                                     | True   |                 |
| Cooler Temperature is recorded.                                                       | True   | 2.2C, 1.9C IR 1 |
| COC is present.                                                                       | True   |                 |
| COC is filled out in ink and legible.                                                 | True   |                 |
| COC is filled out with all pertinent information.                                     | True   |                 |
| There are no discrepancies between the sample IDs on the containers and the COC.      | True   |                 |
| Samples are received within Holding Time.                                             | True   |                 |
| Sample containers have legible labels.                                                | True   |                 |
| Containers are not broken or leaking.                                                 | True   |                 |
| Sample collection date/times are provided.                                            | True   |                 |
| Appropriate sample containers are used.                                               | True   |                 |
| Sample bottles are completely filled.                                                 | True   |                 |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs      | True   |                 |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.          | NA     |                 |
| If necessary, staff have been informed of any short hold time or quick TAT needs      | True   |                 |
| Multiphasic samples are not present.                                                  | True   |                 |
| Samples do not require splitting or compositing.                                      | True   |                 |

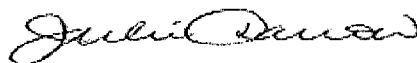
## ANALYTICAL REPORT

Job Number: 560-5670-1

Job Description: Eunice Landfarm

For:  
Larson & Associates, Inc.  
PO BOX 50685  
Midland, TX 79710

Attention: Ms. Michelle Green



---

Julie Darrow  
Project Manager I  
jdarrow@stl-inc.com  
08/13/2007

The test results entered in this report meet all NELAC requirements for accredited parameters. Any exceptions to NELAC requirements are noted in the report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. STL Corpus Christi Certifications and Approvals: NELAC TX T104704210-06-TX, NELAC KS E-10362, Oklahoma 9968, USDA Soil Permit S-42935 Revised.

**TestAmerica Laboratories, Inc.**

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Tel (361) 289-2673 Fax (361) 289-2471 [www.testamericainc.com](http://www.testamericainc.com)

# TestAmerica Corpus Christi TRRP Data Package Signature Page

Job Number: 560-5670-1

Project Name/Number: Eunice Landfarm  
6-0108

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate control limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory Analytical Duplicates (if applicable) Recovery and Precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 Method Quantitation Limit (MQL) for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

Release Statement: "I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the Laboratory Review Checklist and/or Case Narrative provided with the analytical report. I affirm, to the best of my knowledge, that all problems/anomalies observed by this laboratory that might affect the quality of the data have been identified in the Laboratory Review Checklist and/or Case Narrative, and that no information or data has been knowingly withheld that would affect the quality of the data."

Julie Darrow

Name (printed)



Signature

08/13/07

Date

Project Manager

Official Title (printed)

**TestAmerica Corpus Christi**  
**TCEQ Laboratory Review Checklist – Reportable Data**  
Page 1 of 3

|                           |                                             |
|---------------------------|---------------------------------------------|
| LRC Date: August 13, 2007 | Laboratory Job Number: 560-5670-1           |
| Reviewer: Julie Darrow    | Project Name/Number: Eunice Landfarm 6-0108 |

| # <sup>1</sup> | A <sup>2</sup> | Description                                                                                                                      | Yes | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
|----------------|----------------|----------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| R1             | OI             | <b>CHAIN-OF-CUSTODY (C-O-C)</b>                                                                                                  |     |    |                 |                 |                  |
|                |                | 1) Did all samples meet the laboratory's standard conditions of sample acceptability upon receipt?                               | X   |    |                 |                 |                  |
|                |                | 2) Were all departures from standard conditions described in an exception report or case narrative?                              | X   |    |                 |                 |                  |
| R2             | OI             | <b>SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION</b>                                                                            |     |    |                 |                 |                  |
|                |                | 1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?                                                | X   |    |                 |                 |                  |
|                |                | 2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?                                                  | X   |    |                 |                 |                  |
| R3             | OI             | <b>TEST REPORTS</b>                                                                                                              |     |    |                 |                 |                  |
|                |                | 1) Were all samples prepared and analyzed within holding time?                                                                   | X   |    |                 |                 |                  |
|                |                | 2) Other than those results <MQL, were all other raw values bracketed by calibration standards?                                  | X   |    |                 |                 |                  |
|                |                | 3) Were calculations checked by a peer or supervisor?                                                                            | X   |    |                 |                 |                  |
|                |                | 4) Were all analyte identifications checked by a peer or supervisor?                                                             | X   |    |                 |                 |                  |
|                |                | 5) Were sample quantitation limits reported for all analytes not detected?                                                       | X   |    |                 |                 |                  |
|                |                | 6) Were all results for soil and sediment samples reported on a dry weight basis?                                                | X   |    |                 |                 |                  |
|                |                | 7) Were %moisture (or solids) reported for all soil and sediment samples?                                                        | X   |    |                 |                 |                  |
|                |                | 8) If required for the project, TICs reported?                                                                                   |     |    | X               |                 |                  |
| R4             | O              | <b>SURROGATE RECOVERY DATA</b>                                                                                                   |     |    |                 |                 |                  |
|                |                | 1) Were surrogates added prior to extraction?                                                                                    | X   |    |                 |                 |                  |
|                |                | 2) Were surrogate percent recoveries in all samples within the laboratory QC limits?                                             |     | X  |                 |                 | 1                |
| R5             | OI             | <b>TEST REPORTS/SUMMARY FORMS FOR BLANK SAMPLES</b>                                                                              |     |    |                 |                 |                  |
|                |                | 1) Were appropriate type(s) of blanks analyzed?                                                                                  | X   |    |                 |                 |                  |
|                |                | 2) Were blanks analyzed at the appropriate frequency?                                                                            | X   |    |                 |                 |                  |
|                |                | 3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X   |    |                 |                 |                  |
|                |                | 4) Were blank concentrations <MQL?                                                                                               | X   |    |                 |                 |                  |
| R6             | OI             | <b>LABORATORY CONTROL SAMPES (LCS)</b>                                                                                           |     |    |                 |                 |                  |
|                |                | 1) Were all COCs included in the LCS?                                                                                            | X   |    |                 |                 |                  |
|                |                | 2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?                                 | X   |    |                 |                 |                  |
|                |                | 3) Were LCSs analyzed at the required frequency?                                                                                 | X   |    |                 |                 |                  |
|                |                | 4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?                                                       | X   |    |                 |                 |                  |
|                |                | 5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?    | X   |    |                 |                 |                  |
|                |                | 6) Was the LCSD RPD within QC limits?                                                                                            | X   |    |                 |                 |                  |
| R7             | OI             | <b>MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA</b>                                                                   |     |    |                 |                 |                  |
|                |                | 1) Were the project/method specified analytes included in the MS and MSD?                                                        | X   |    |                 |                 |                  |
|                |                | 2) Were MS/MSD analyzed at the appropriate frequency?                                                                            | X   |    |                 |                 |                  |
|                |                | 3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?                                                         |     | X  |                 |                 | 2                |
| 4              |                | 4) Were MS/MSD RPDs within laboratory QC limits?                                                                                 |     | X  |                 |                 | 2                |
| R8             | OI             | <b>ANALYTICAL DUPLICATE DATA</b>                                                                                                 |     |    |                 |                 |                  |
|                |                | 1) Were appropriate analytical duplicates analyzed for each matrix?                                                              | X   |    |                 |                 |                  |
|                |                | 2) Were analytical duplicates analyzed at the appropriate frequency?                                                             | X   |    |                 |                 |                  |
|                |                | 3) Were RPDs or relative standard deviations within the laboratory QC limits?                                                    | X   |    |                 |                 |                  |
| R9             | OI             | <b>METHOD QUANTITATION LIMITS (MQLs)</b>                                                                                         |     |    |                 |                 |                  |
|                |                | 1) Are the MQLs for each method analyte listed and included in the laboratory data package?                                      | X   |    |                 |                 |                  |
|                |                | 2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?                                      | X   |    |                 |                 |                  |
|                |                | 3) Are unadjusted MQLs included in the laboratory data package?                                                                  | X   |    |                 |                 |                  |
| R10            | OI             | <b>OTHER PROBLEMS/ANOMALIES</b>                                                                                                  |     |    |                 |                 |                  |
|                |                | 1) Are all known problems/anomalies/special conditions noted in this LRC, ER, or case narrative?                                 | X   |    |                 |                 |                  |
|                |                | 2) Were all necessary corrective actions performed for the reported data?                                                        | X   |    |                 |                 |                  |
|                |                | 3) If requested, is the justification for elevated SQLs documented?                                                              | X   |    |                 |                 |                  |

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**TCEQ Laboratory Review Checklist – Supporting Data**  
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|                           |                                             |
|---------------------------|---------------------------------------------|
| LRC Date: August 13, 2007 | Laboratory Job Number: 560-5670-1           |
| Reviewer: Julie Darrow    | Project Name/Number: Eunice Landfarm 6-0108 |

| # <sup>1</sup> | A <sup>2</sup> | Description                                                                                                                                           | Yes | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
|----------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| S1             | OI             | <b>INITIAL CALIBRATION (ICAL)</b>                                                                                                                     |     |    |                 |                 |                  |
|                |                | 1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits?                                         | X   |    |                 |                 |                  |
|                |                | 2) Were percent RSDs or correlation coefficient criteria met?                                                                                         | X   |    |                 |                 |                  |
|                |                | 3) Was the number of standards recommended in the method used for all analytes?                                                                       | X   |    |                 |                 |                  |
|                |                | 4) Were all points generated between the lowest and highest standard used to calculate the curve?                                                     | X   |    |                 |                 |                  |
|                |                | 5) Are ICAL data available for all instruments used?                                                                                                  | X   |    |                 |                 |                  |
|                |                | 6) Has the initial calibration curve been verified using an appropriate second source standard?                                                       | X   |    |                 |                 |                  |
| S2             | OI             | <b>INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICV and CCV)</b>                                                                                  |     |    |                 |                 |                  |
|                |                | 1) Was the CCV analyzed at the method-required frequency?                                                                                             | X   |    |                 |                 |                  |
|                |                | 2) Were percent differences for each analytes within the method-required QC limits?                                                                   | X   |    |                 |                 |                  |
|                |                | 3) Was the ICAL curve verified for each analyte?                                                                                                      | X   |    |                 |                 |                  |
|                |                | 4) Was the absolute value of the analyte concentration in the inorganic CCB <MDL?                                                                     | X   |    |                 |                 |                  |
| S3             | O              | <b>MASS SPECTRAL TUNING</b>                                                                                                                           |     |    |                 |                 |                  |
|                |                | 1) Was the appropriate compound for the method used for tuning?                                                                                       |     |    | X               |                 |                  |
|                |                | 2) Were ion abundance data within the method-required QC limits?                                                                                      |     |    | X               |                 |                  |
| S4             | O              | <b>INTERNAL STANDARDS (IS)</b>                                                                                                                        |     |    |                 |                 |                  |
|                |                | 1) Were IS area counts and retention times within the method-required QC limits?                                                                      | X   |    |                 |                 |                  |
| S5             | OI             | <b>RAW DATA (NELAC SECTION 1 APPENDIX A GLOSSARY, AND SECTION 5.12)</b>                                                                               |     |    |                 |                 |                  |
|                |                | 1) Were the raw data (e.g. chromatograms, spectral data) reviewed by an analyst?                                                                      | X   |    |                 |                 |                  |
|                |                | 2) Were data associated with manual integrations flagged on the raw data?                                                                             |     |    | X               |                 |                  |
| S6             | O              | <b>DUAL COLUMN CONFIRMATION</b>                                                                                                                       |     |    |                 |                 |                  |
|                |                | 1) Did dual column confirmation results meet the method-required QC?                                                                                  |     |    | X               |                 |                  |
| S7             | O              | <b>TENTATIVELY IDENTIFIED COMPOUNDS (TICs)</b>                                                                                                        |     |    |                 |                 |                  |
|                |                | 1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?                                                          |     |    | X               |                 |                  |
| S8             | I              | <b>INTERFERENCE CHECK SAMPLE (ICS) RESULTS</b>                                                                                                        |     |    |                 |                 |                  |
|                |                | 1) Were percent recoveries within method QC limits?                                                                                                   |     |    | X               |                 |                  |
| S9             | I              | <b>SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD ADDITION</b>                                                                       |     |    |                 |                 |                  |
|                |                | 1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?                                              |     |    | X               |                 |                  |
| S10            | OI             | <b>PROFICIENCY TEST REPORTS</b>                                                                                                                       |     |    |                 |                 |                  |
|                |                | 1) Are proficiency testing or interlaboratory comparison results on file?                                                                             | X   |    |                 |                 |                  |
| S11            | OI             | <b>METHOD DETECTION LIMIT (MDL) STUDIES</b>                                                                                                           |     |    |                 |                 |                  |
|                |                | 1) Was a MDL study performed for each reported analyte?                                                                                               | X   |    |                 |                 |                  |
|                |                | 2) Is the MDL either adjusted or supported by the analysis of DCS?                                                                                    | X   |    |                 |                 |                  |
| S12            | OI             | <b>STANDARDS DOCUMENTATION</b>                                                                                                                        |     |    |                 |                 |                  |
|                |                | 1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?                                                  | X   |    |                 |                 |                  |
| S13            | OI             | <b>COMPOUND/ANALYTE IDENTIFICATION PROCEDURES</b>                                                                                                     |     |    |                 |                 |                  |
|                |                | 1) Are the procedures for compound/analyte identification documented?                                                                                 | X   |    |                 |                 |                  |
| S14            | OI             | <b>DEMONSTRATION OF ANALYST COMPETENCY (DOC)</b>                                                                                                      |     |    |                 |                 |                  |
|                |                | 1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2?                                                                                       | X   |    |                 |                 |                  |
|                |                | 2) Is documentation of the analyst's competency up-to-date and on file?                                                                               | X   |    |                 |                 |                  |
| S15            | OI             | <b>VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS</b>                                                                                              |     |    |                 |                 |                  |
|                |                | 1) Are all the methods used to generate the data documented, verified, and validated, where applicable (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)? | X   |    |                 |                 |                  |
| S16            | OI             | <b>LABORATORY STANDARD OPERATING PROCEDURES (SOPs)</b>                                                                                                |     |    |                 |                 |                  |
|                |                | 1) Are laboratory SOPs current and on file for each method performed?                                                                                 | X   |    |                 |                 |                  |

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**TCEQ Laboratory Review Checklist – Exception Reports**  
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|                           |                                             |
|---------------------------|---------------------------------------------|
| LRC Date: August 13, 2007 | Laboratory Job Number: 560-5670-1           |
| Reviewer: Julie Darrow    | Project Name/Number: Eunice Landfarm 6-0108 |

| ER# <sup>5</sup> | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                | EPA Method 8015B (QC Batch #560-13746): The percent recovery results for the surrogates associated with samples 1, 1 MSD, and 5 were outside the acceptance criteria for 4-bromofluorobenzene. Sample 1 and 1 MSD showed clear evidence of matrix interference in the raw data and were not re-analyzed. Sample 5 was re-analyzed with similar results therefore only the original was reported. The method blank and LCS were within acceptable limits and the data are therefore reported. |
| 2                | EPA Method 8015B (QC Batch #560-13746): The percent recovery results for the matrix spike and matrix spike duplicate associated with this batch and sample 1 were below the acceptance criteria for GRO. In addition, the RPD for matrix spike and matrix spike duplicated associated with this spiked pair was above the acceptance criteria. The method blank and LCS were within acceptable limits and the data are therefore reported.                                                   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

- 1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s).  
Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
- 2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable)
- 3 NA = Not applicable
- 4 NR = Not reviewed
- 5 ER# = Exception Report identification number (an Exception Report should be completed for an it
- 6 and "NR" or "No" is checked)

## METHOD SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

| Description                                                              | Lab Location | Method      | Preparation Method |
|--------------------------------------------------------------------------|--------------|-------------|--------------------|
| <b>Matrix: Solid</b>                                                     |              |             |                    |
| Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics) | TAL CC       | SW846 8015B |                    |
| Purge and Trap for Solids                                                | TAL CC       |             | SW846 5030B        |
| Aromatic and Halogenated VOCs by Gas Chromatography using PID or ELCD    | TAL CC       | SW846 8021B |                    |
| Purge and Trap for Solids                                                | TAL CC       |             | SW846 5030B        |
| Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)   | TAL CC       | SW846 8015B |                    |
| Ultrasonic Extraction                                                    | TAL CC       |             | SW846 3550B        |
| Anions by Ion Chromatography                                             | TAL CC       | SW846 9056  |                    |
| Deionized Water Leaching Procedure (Routine)                             | TAL CC       |             | ASTM NONE          |

### Lab References:

TAL CC = TestAmerica Corpus Christi

### Method References:

ASTM =

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.



## METHOD / ANALYST SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

| Method              | Analyst              | Analyst ID |
|---------------------|----------------------|------------|
| SW846 8015B         | Haas, Richard        | RH         |
| SW846 8021B         | Haas, Richard        | RH         |
| SW846 8015B         | Cady, Iryna M        | IMC        |
| SW846 9056          | Zwierzynski, Hanna M | HMZ        |
| EPA PercentMoisture | Henny, April         | AH         |

## SAMPLE SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time<br>Sampled | Date/Time<br>Received |
|---------------|------------------|---------------|----------------------|-----------------------|
| 560-5670-1    | CELL 1A (2-3)    | Soil          | 07/19/2007 1050      | 07/20/2007 1020       |
| 560-5670-2    | CELL 1B (2-3)    | Soil          | 07/19/2007 1100      | 07/20/2007 1020       |
| 560-5670-3    | CELL 1C (2-3)    | Soil          | 07/19/2007 1023      | 07/20/2007 1020       |
| 560-5670-4    | CELL 1C-1 (2-3)  | Soil          | 07/19/2007 1034      | 07/20/2007 1020       |
| 560-5670-5    | CELL 2D (0-1)    | Soil          | 07/19/2007 1000      | 07/20/2007 1020       |
| 560-5670-6    | CELL 2D (2-3)    | Soil          | 07/19/2007 0952      | 07/20/2007 1020       |

# **SAMPLE RESULTS**

# Analytical Data

Client: Larson & Associates, Inc.  
 Job Number: 560-5670-1  
 SDG Number: Eunice Landfarm

Project: Eunice Groundwater  
 ATTN: Ms. Michelle Green

Client Sample ID: CELL 1A (2-3)

Lab Sample ID: 560-5670-1  
 Client Matrix: Solid  
 Date Sampled: 07/19/2007 10:50  
 Date Received: 07/20/2007 10:20

| TEST METHOD                                | CAS #      | RESULT   | Q | FLAG | MDL   | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|--------------------------------------------|------------|----------|---|------|-------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3550B, Solid</b>          |            |          |   |      |       |       |       |                    |       |      |         |
| Ultrasonic Extraction                      | NA         | Complete |   |      |       |       | NA    | 07/30/2007 10:00   | 13812 | 1    | LPM     |
| <b>Method: SW846 5030B, Solid</b>          |            |          |   |      |       |       |       |                    |       |      |         |
| Purge and Trap for Solids                  | NA         | Complete |   |      |       |       | NA    | 07/26/2007 12:09   | 13746 | 1    |         |
| Purge and Trap for Solids                  | NA         | Complete |   |      |       |       | NA    | 07/25/2007 11:27   | 13560 | 1    |         |
| <b>Method: SW846 9056, Solid, Soluble</b>  |            |          |   |      |       |       |       |                    |       |      |         |
| Chloride                                   | 16887-00-6 | 2900     |   |      | 1.4   | 5.0   | mg/Kg | 08/02/2007 16:11   | 13880 | 50   | HMZ     |
| <b>Method: EPA Percent Moisture, Solid</b> |            |          |   |      |       |       |       |                    |       |      |         |
| Percent Moisture                           | STL00177   | 4.3      |   |      | 0.010 | 0.010 | %     | 07/23/2007 16:55   | 13497 | 1    | AH      |
| Percent Solids                             | STL00234   | 96       |   |      | 0.010 | 0.010 | %     | 07/23/2007 16:55   | 13497 | 1    | AH      |
| <b>Method: SW846 8015B, Solid</b>          |            |          |   |      |       |       |       |                    |       |      |         |
| GRO                                        | STL00215   | 0.67     |   |      | 0.080 | 0.25  | mg/Kg | 07/26/2007 12:09   | 13746 | 1    | RH      |
| Diesel Range Organics [C10-C28]            | STL00143   | 16       | J |      | 4.2   | 10    | mg/Kg | 08/01/2007 15:01   | 13812 | 1    | IMC     |
| <b>Surrogates</b>                          |            |          |   |      |       |       |       |                    |       |      |         |

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.027  | 0.0174     | 156    | 28.0-150. | X       |            | NOEQUIP    | 7/26/2007 12:09:00F | RH      |
| o-Terphenyl                 | 84-15-1    |         | 1        | 6.7    | 8.33       | 80     | 29-140    |         | 13708      | SVGC#4     | 8/1/2007 3:01:00PM  | IMC     |

# Analytical Data

Client: Larson & Associates, Inc.  
 Job Number: 560-5670-1  
 SDG Number: Eunice Landfarm

Project: Eunice Groundwater  
 ATTN: Ms. Michelle Green

Client Sample ID: CELL 1A (2-3)

Lab Sample ID: 560-5670-1  
 Client Matrix: Solid  
 Date Sampled: 07/19/2007 10:50  
 Date Received: 07/20/2007 10:20

| TEST METHOD                       | CAS #     | RESULT | Q | FLAG | MDL    | MQL    | SQL    | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------|-----------|--------|---|------|--------|--------|--------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8021B, Solid</b> |           |        |   |      |        |        |        |       |                    |       |      |         |
| Benzene                           | 71-43-2   | 0.0016 | U |      | 0.0019 | 0.0050 | 0.0016 | mg/Kg | 07/25/2007 11:27   | 13560 | 1    | RH      |
| Ethylbenzene                      | 100-41-4  | 0.0019 | U |      | 0.0022 | 0.0050 | 0.0019 | mg/Kg | 07/25/2007 11:27   | 13560 | 1    | RH      |
| Toluene                           | 108-88-3  | 0.0018 | U |      | 0.0021 | 0.0050 | 0.0018 | mg/Kg | 07/25/2007 11:27   | 13560 | 1    | RH      |
| Xylenes, Total                    | 1330-20-7 | 0.0058 | U |      | 0.0067 | 0.015  | 0.0058 | mg/Kg | 07/25/2007 11:27   | 13560 | 1    | RH      |

## Surrogates

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.017  | 0.0174     | 98     | 51-127    |         |            | VGC#2      | 7/25/2007 11:27:00A | RH      |
| Trifluorotoluene (Surr)     | 98-08-8    |         | 1        | 0.013  | 0.0174     | 76     | 50-129    |         |            | VGC#2      | 7/25/2007 11:27:00A | RH      |

# Analytical Data

Client: Larson & Associates, Inc.  
 Job Number: 560-5670-1  
 SDG Number: Eunice Landfarm

Project: Eunice Groundwater  
 ATTN: Ms. Michelle Green

Client Sample ID: CELL 1B (2-3)

Lab Sample ID: 560-5670-2  
 Client Matrix: Solid

| TEST METHOD | CAS # | RESULT | Q | FLAG | MDL | MQL | SQL | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-------------|-------|--------|---|------|-----|-----|-----|-------|--------------------|-------|------|---------|
|-------------|-------|--------|---|------|-----|-----|-----|-------|--------------------|-------|------|---------|

## Method: SW846 3550B, Solid

Ultrasonic Extraction NA Complete 17 0.010 0.010 0.010 0.010 mg/Kg 1.4 5.0 1.4 07/30/2007 10:00 13812 1 LPM Dry Weight Corrected?: N

## Method: SW846 5030B, Solid

Purge and Trap for Solids NA Complete 3.3 0.010 0.010 0.010 % 0.010 0.010 0.010 07/26/2007 12:37 13746 1 Dry Weight Corrected?: N  
 Purge and Trap for Solids NA Complete 97 0.010 0.010 0.010 % 0.010 0.010 0.010 07/25/2007 11:55 13560 1 Dry Weight Corrected?: N

## Method: SW846 9056, Solid, Soluble

Chloride 16887-00-6 17 0.080 0.25 0.070 mg/Kg 0.080 10 4.2 08/01/2007 15:19 13871 1 HMZ Dry Weight Corrected?: N

## Method: EPA Percent Moisture, Solid

Percent Moisture STL00177 3.3 0.010 0.010 0.010 % 0.010 0.010 0.010 07/23/2007 16:55 13497 1 AH  
 Percent Solids STL00234 97 0.010 0.010 0.010 % 0.010 0.010 0.010 07/23/2007 16:55 13497 1 AH Dry Weight Corrected?: N

## Method: SW846 8015B, Solid

GRO STL00215 0.46 0.080 0.25 0.070 mg/Kg 0.080 10 4.2 07/26/2007 12:37 13746 1 RH  
 Diesel Range Organics STL00143 15 J 4.2 10 4.2 08/01/2007 15:09 13812 1 IMC [C10-C28]

## Surrogates

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.025  | 0.0174     | 144    | 28.0-150. |         |            | NOEQUIP    | 7/26/2007 12:37:00F | RH      |
| o-Terphenyl                 | 84-15-1    |         | 1        | 6.1    | 8.33       | 73     | 29-140    |         | 13708      | SVGC#4     | 8/1/2007 3:09:00PM  | IMC     |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice Groundwater ATTN: Ms. Michelle Green

Job Number: 560-5670-1  
SDG Number: Eunice Landfarm

Client Sample ID: CELL 1B (2-3)

Lab Sample ID: 560-5670-2  
Client Matrix: Solid  
Date Sampled: 07/19/2007 11:00  
Date Received: 07/20/2007 10:20

| TEST METHOD                       | CAS #     | RESULT | Q | FLAG | MDL    | MQL    | SQL    | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------|-----------|--------|---|------|--------|--------|--------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8021B, Solid</b> |           |        |   |      |        |        |        |       |                    |       |      |         |
| Benzene                           | 71-43-2   | 0.0016 | U |      | 0.0019 | 0.0050 | 0.0016 | mg/Kg | 07/25/2007 11:55   | 13560 | 1    | RH      |
| Ethylbenzene                      | 100-41-4  | 0.0019 | U |      | 0.0022 | 0.0050 | 0.0019 | mg/Kg | 07/25/2007 11:55   | 13560 | 1    | RH      |
| Toluene                           | 108-88-3  | 0.0018 | U |      | 0.0021 | 0.0050 | 0.0018 | mg/Kg | 07/25/2007 11:55   | 13560 | 1    | RH      |
| Xylenes, Total                    | 1330-20-7 | 0.0058 | U |      | 0.0067 | 0.015  | 0.0058 | mg/Kg | 07/25/2007 11:55   | 13560 | 1    | RH      |

## Surrogates

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.014  | 0.0174     | 82     | 51-127    |         |            | VGC#2      | 7/25/2007 11:55:00A | RH      |
| Trifluorotoluene (Surr)     | 98-08-8    |         | 1        | 0.013  | 0.0174     | 72     | 50-129    |         |            | VGC#2      | 7/25/2007 11:55:00A | RH      |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice Groundwater ATTN: Ms. Michelle Green

Job Number: 560-5670-1  
SDG Number: Eunice Landfarm

Client Sample ID: CELL 1C (2-3)

Lab Sample ID: 560-5670-3  
Client Matrix: Solid

Date Sampled: 07/19/2007 10:23  
Date Received: 07/20/2007 10:20

| TEST METHOD                                | CAS #      | RESULT   | Q | FLAG | MDL   | MQL   | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|--------------------------------------------|------------|----------|---|------|-------|-------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3550B, Solid</b>          |            |          |   |      |       |       |       |       |                    |       |      |         |
| Ultrasonic Extraction                      | NA         | Complete |   |      |       |       |       | NA    | 07/30/2007 10:00   | 13812 | 1    | LPM     |
| <b>Method: SW846 5030B, Solid</b>          |            |          |   |      |       |       |       |       |                    |       |      |         |
| Purge and Trap for Solids                  | NA         | Complete |   |      |       |       |       | NA    | 07/26/2007 13:06   | 13746 | 1    |         |
| Purge and Trap for Solids                  | NA         | Complete |   |      |       |       |       | NA    | 07/25/2007 12:23   | 13560 | 1    |         |
| <b>Method: SW846 9056, Solid, Soluble</b>  |            |          |   |      |       |       |       |       |                    |       |      |         |
| Chloride                                   | 16887-00-6 | 86       |   |      | 1.4   | 5.0   | 1.4   | mg/Kg | 08/01/2007 15:19   | 13871 | 1    | HMZ     |
| <b>Method: EPA Percent Moisture, Solid</b> |            |          |   |      |       |       |       |       |                    |       |      |         |
| Percent Moisture                           | STL00177   | 12       |   |      | 0.010 | 0.010 | 0.010 | %     | 07/23/2007 16:55   | 13497 | 1    | AH      |
| Percent Solids                             | STL00234   | 88       |   |      | 0.010 | 0.010 | 0.010 | %     | 07/23/2007 16:55   | 13497 | 1    | AH      |
| <b>Method: SW846 8015B, Solid</b>          |            |          |   |      |       |       |       |       |                    |       |      |         |
| GRO                                        | STL00215   | 0.070    | U |      | 0.080 | 0.25  | 0.070 | mg/Kg | 07/26/2007 13:06   | 13746 | 1    | RH      |
| Diesel Range Organics [C10-C28]            | STL00143   | 58       |   |      | 4.2   | 10    | 4.2   | mg/Kg | 08/01/2007 15:18   | 13812 | 1    | IMC     |

## Surrogates

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|--------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.016  | 0.0174     | 92     | 28.0-150. |         |            | NOEQUIP    | 7/26/2007 1:06:00P | RH      |
| o-Terphenyl                 | 84-15-1    |         | 1        | 6.4    | 8.33       | 77     | 29-140    |         | 13708      | SVGC#4     | 8/1/2007 3:18:00PM | IMC     |



# Analytical Data

Client: Larson & Associates, Inc.  
 Job Number: 560-5670-1  
 SDG Number: Eunice Landfarm

Project: Eunice Groundwater  
 ATTN: Ms. Michelle Green

Client Sample ID: CELL 1C (2-3)

Lab Sample ID: 560-5670-3  
 Client Matrix: Solid  
 Date Sampled: 07/19/2007 10:23  
 Date Received: 07/20/2007 10:20

| TEST METHOD                      | CAS #     | RESULT | Q | FLAG | MDL    | SQL    | UNITS  | Analysis Date/Time | Batch            | D.F.  | Analyst |
|----------------------------------|-----------|--------|---|------|--------|--------|--------|--------------------|------------------|-------|---------|
| <b>Method: SW846 8021B,Solid</b> |           |        |   |      |        |        |        |                    |                  |       |         |
| Benzene                          | 71-43-2   | 0.0016 | U |      | 0.0019 | 0.0050 | 0.0016 | mg/Kg              | 07/25/2007 12:23 | 13560 | 1 RH    |
| Ethylbenzene                     | 100-41-4  | 0.0019 | U |      | 0.0022 | 0.0050 | 0.0019 | mg/Kg              | 07/25/2007 12:23 | 13560 | 1 RH    |
| Toluene                          | 108-88-3  | 0.0018 | U |      | 0.0021 | 0.0050 | 0.0018 | mg/Kg              | 07/25/2007 12:23 | 13560 | 1 RH    |
| Xylenes, Total                   | 1330-20-7 | 0.0058 | U |      | 0.0067 | 0.015  | 0.0058 | mg/Kg              | 07/25/2007 12:23 | 13560 | 1 RH    |

## Surrogates

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.014  | 0.0174     | 80     | 51-127    |         |            | VGC#2      | 7/25/2007 12:23:00F | RH      |
| Trifluorotoluene (Surr)     | 98-08-8    |         | 1        | 0.012  | 0.0174     | 69     | 50-129    |         |            | VGC#2      | 7/25/2007 12:23:00F | RH      |

# Analytical Data

Client: Larson & Associates, Inc.  
 Job Number: 560-5670-1  
 SDG Number: Eunice Landfarm

Project: Eunice Groundwater  
 ATTN: Ms. Michelle Green

Client Sample ID: CELL 1C-1 (2-3)

Lab Sample ID: 560-5670-4  
 Client Matrix: Solid  
 Date Sampled: 07/19/2007 10:34  
 Date Received: 07/20/2007 10:20

| TEST METHOD                              | CAS #      | RESULT   | Q | FLAG | MDL   | MQL   | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|------------------------------------------|------------|----------|---|------|-------|-------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3550B,Solid</b>         |            |          |   |      |       |       |       |       |                    |       |      |         |
| Ultrasonic Extraction                    | NA         | Complete |   |      |       |       |       | NA    | 07/30/2007 10:00   | 13812 | 1    | LPM     |
| <b>Method: SW846 5030B,Solid</b>         |            |          |   |      |       |       |       |       |                    |       |      |         |
| Purge and Trap for Solids                | NA         | Complete |   |      |       |       |       | NA    | 07/26/2007 13:34   | 13746 | 1    |         |
| Purge and Trap for Solids                | NA         | Complete |   |      |       |       |       | NA    | 07/25/2007 12:50   | 13560 | 1    |         |
| <b>Method: SW846 9056,Solid,Soluble</b>  |            |          |   |      |       |       |       |       |                    |       |      |         |
| Chloride                                 | 16887-00-6 | 630      |   |      | 1.4   | 5.0   | 7.2   | mg/Kg | 08/02/2007 16:11   | 13880 | 5    | HMZ     |
| <b>Method: EPA PercentMoisture,Solid</b> |            |          |   |      |       |       |       |       |                    |       |      |         |
| Percent Moisture                         | STL00177   | 13       |   |      | 0.010 | 0.010 | 0.010 | %     | 07/23/2007 16:55   | 13497 | 1    | AH      |
| Percent Solids                           | STL00234   | 87       |   |      | 0.010 | 0.010 | 0.010 | %     | 07/23/2007 16:55   | 13497 | 1    | AH      |
| <b>Method: SW846 8015B,Solid</b>         |            |          |   |      |       |       |       |       |                    |       |      |         |
| GRO                                      | STL00215   | 0.070    | U |      | 0.080 | 0.25  | 0.070 | mg/Kg | 07/26/2007 13:34   | 13746 | 1    | RH      |
| Diesel Range Organics<br>[C10-C28]       | STL00143   | 79       |   |      | 4.2   | 10    | 4.2   | mg/Kg | 08/01/2007 15:26   | 13812 | 1    | IMC     |
| <b>Surrogates</b>                        |            |          |   |      |       |       |       |       |                    |       |      |         |

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|--------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.016  | 0.0174     | 92     | 28.0-150. |         |            | NOEQUIP    | 7/26/2007 1:34:00P | RH      |
| o-Terphenyl                 | 84-15-1    |         | 1        | 6.6    | 8.33       | 80     | 29-140    |         | 13708      | SVGC#4     | 8/1/2007 3:26:00PM | IMC     |

# Analytical Data

Client: Larson & Associates, Inc.  
 Job Number: 560-5670-1  
 SDG Number: Eunice Landfarm

Project: Eunice Groundwater  
 ATTN: Ms. Michelle Green

Client Sample ID: CELL 1C-1 (2-3)

Lab Sample ID: 560-5670-4  
 Client Matrix: Solid  
 Date Sampled: 07/19/2007 10:34  
 Date Received: 07/20/2007 10:20

| TEST METHOD                       | CAS #     | RESULT | Q | FLAG | MDL    | SQL    | UNITS  | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------|-----------|--------|---|------|--------|--------|--------|--------------------|-------|------|---------|
| <b>Method: SW846 8021B, Solid</b> |           |        |   |      |        |        |        |                    |       |      |         |
| Benzene                           | 71-43-2   | 0.0016 | U |      | 0.0019 | 0.0050 | 0.0016 | 07/25/2007 12:50   | 13560 | 1    | RH      |
| Ethylbenzene                      | 100-41-4  | 0.0019 | U |      | 0.0022 | 0.0050 | 0.0019 | 07/25/2007 12:50   | 13560 | 1    | RH      |
| Toluene                           | 108-88-3  | 0.0018 | U |      | 0.0021 | 0.0050 | 0.0018 | 07/25/2007 12:50   | 13560 | 1    | RH      |
| Xylenes, Total                    | 1330-20-7 | 0.0058 | U |      | 0.0067 | 0.015  | 0.0058 | 07/25/2007 12:50   | 13560 | 1    | RH      |
| <b>Surrogates</b>                 |           |        |   |      |        |        |        |                    |       |      |         |

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.016  | 0.0174     | 91     | 51-127    |         |            | VGC#2      | 7/25/2007 12:50:00F | RH      |
| Trifluorotoluene (Surr)     | 98-08-8    |         | 1        | 0.013  | 0.0174     | 76     | 50-129    |         |            | VGC#2      | 7/25/2007 12:50:00F | RH      |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice Groundwater ATTN: Ms. Michelle Green

Job Number: 560-5670-1  
SDG Number: Eunice Landfarm

Client Sample ID: CELL 2D (0-1)

Lab Sample ID: 560-5670-5  
Client Matrix: Solid

Date Sampled: 07/19/2007 10:00  
Date Received: 07/20/2007 10:20

| TEST METHOD                                | CAS #      | RESULT   | Q | FLAG | MDL   | MQL   | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|--------------------------------------------|------------|----------|---|------|-------|-------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3550B, Solid</b>          |            |          |   |      |       |       |       |       |                    |       |      |         |
| Ultrasonic Extraction                      | NA         | Complete |   |      |       |       |       | NA    | 07/30/2007 10:00   | 13812 | 10   | LPM     |
| <b>Method: SW846 5030B, Solid</b>          |            |          |   |      |       |       |       |       |                    |       |      |         |
| Purge and Trap for Solids                  | NA         | Complete |   |      |       |       |       | NA    | 07/26/2007 14:23   | 13746 | 1    |         |
| Purge and Trap for Solids                  | NA         | Complete |   |      |       |       |       | NA    | 07/25/2007 13:18   | 13560 | 1    |         |
| <b>Method: SW846 9056, Solid, Soluble</b>  |            |          |   |      |       |       |       |       |                    |       |      |         |
| Chloride                                   | 16887-00-6 | 1600     |   |      | 1.4   | 5.0   | 29    | mg/Kg | 08/02/2007 16:11   | 13880 | 20   | HMZ     |
| <b>Method: EPA Percent Moisture, Solid</b> |            |          |   |      |       |       |       |       |                    |       |      |         |
| Percent Moisture                           | STL00177   | 1.2      |   |      | 0.010 | 0.010 | 0.010 | %     | 07/23/2007 16:55   | 13497 | 1    | AH      |
| Percent Solids                             | STL00234   | 99       |   |      | 0.010 | 0.010 | 0.010 | %     | 07/23/2007 16:55   | 13497 | 1    | AH      |
| <b>Method: SW846 8015B, Solid</b>          |            |          |   |      |       |       |       |       |                    |       |      |         |
| GRO                                        | STL00215   | 0.070    | U |      | 0.080 | 0.25  | 0.070 | mg/Kg | 07/26/2007 14:23   | 13746 | 1    | RH      |
| Diesel Range Organics [C10-C28]            | STL00143   | 4400     |   |      | 4.2   | 10    | 42    | mg/Kg | 08/01/2007 15:35   | 13812 | 10   | IMC     |

## Surrogates

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|--------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.0020 | 0.0174     | 11     | 28.0-150. | X       |            | NOEQUIP    | 7/26/2007 2:23:00P | RH      |
| o-Terphenyl                 | 84-15-1    |         | 10       | 9.8    | 8.33       | 118    | 29-140    |         | 13708      | SVGC#4     | 8/1/2007 3:35:00PM | IMC     |

# Analytical Data

Client: Larson & Associates, Inc.  
 Job Number: 560-5670-1  
 SDG Number: Eunice Landfarm

Project: Eunice Groundwater  
 ATTN: Ms. Michelle Green

Client Sample ID: CELL 2D (0-1)

Lab Sample ID: 560-5670-5  
 Client Matrix: Solid  
 Date Sampled: 07/19/2007 10:00  
 Date Received: 07/20/2007 10:20

| TEST METHOD                       | CAS #     | RESULT | Q | FLAG | MDL    | MQL    | SQL    | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------|-----------|--------|---|------|--------|--------|--------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8021B, Solid</b> |           |        |   |      |        |        |        |       |                    |       |      |         |
| Benzene                           | 71-43-2   | 0.0046 |   |      | 0.0019 | 0.0050 | 0.0016 | mg/Kg | 07/25/2007 13:18   | 13560 | 1    | RH      |
| Ethylbenzene                      | 100-41-4  | 0.0019 | U |      | 0.0022 | 0.0050 | 0.0019 | mg/Kg | 07/25/2007 13:18   | 13560 | 1    | RH      |
| Toluene                           | 108-88-3  | 0.0018 | U |      | 0.0021 | 0.0050 | 0.0018 | mg/Kg | 07/25/2007 13:18   | 13560 | 1    | RH      |
| Xylenes, Total                    | 1330-20-7 | 0.0058 | U |      | 0.0067 | 0.015  | 0.0058 | mg/Kg | 07/25/2007 13:18   | 13560 | 1    | RH      |

## Surrogates

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|--------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.019  | 0.0174     | 112    | 51-127    |         |            | VGC#2      | 7/25/2007 1:18:00P | RH      |
| Trifluorotoluene (Surr)     | 98-08-8    |         | 1        | 0.014  | 0.0174     | 80     | 50-129    |         |            | VGC#2      | 7/25/2007 1:18:00P | RH      |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice Groundwater ATTN: Ms. Michelle Green

Job Number: 560-5670-1  
SDG Number: Eunice Landfarm

Client Sample ID: CELL 2D (2-3)

Lab Sample ID: 560-5670-6 Date Sampled: 07/19/2007 9:52  
Client Matrix: Solid Date Received: 07/20/2007 10:20

| TEST METHOD                                | CAS #      | RESULT   | Q | FLAG | MDL   | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|--------------------------------------------|------------|----------|---|------|-------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3550B, Solid</b>          |            |          |   |      |       |       |       |                    |       |      |         |
| Ultrasonic Extraction                      | NA         | Complete |   |      |       |       | NA    | 07/30/2007 10:00   | 13812 | 1    | LPM     |
| <b>Method: SW846 5030B, Solid</b>          |            |          |   |      |       |       |       |                    |       |      |         |
| Purge and Trap for Solids                  | NA         | Complete |   |      |       |       | NA    | 07/26/2007 14:51   | 13746 | 1    |         |
| Purge and Trap for Solids                  | NA         | Complete |   |      |       |       | NA    | 07/25/2007 15:01   | 13560 | 1    |         |
| <b>Method: SW846 9056, Solid, Soluble</b>  |            |          |   |      |       |       |       |                    |       |      |         |
| Chloride                                   | 16887-00-6 | 100      |   |      | 1.4   | 5.0   | mg/Kg | 08/01/2007 15:19   | 13871 | 1    | HMZ     |
| <b>Method: EPA Percent Moisture, Solid</b> |            |          |   |      |       |       |       |                    |       |      |         |
| Percent Moisture                           | STL00177   | 5.4      |   |      | 0.010 | 0.010 | %     | 07/23/2007 16:55   | 13497 | 1    | AH      |
| Percent Solids                             | STL00234   | 95       |   |      | 0.010 | 0.010 | %     | 07/23/2007 16:55   | 13497 | 1    | AH      |
| <b>Method: SW846 8015B, Solid</b>          |            |          |   |      |       |       |       |                    |       |      |         |
| GRO                                        | STL00215   | 0.19     | J |      | 0.080 | 0.25  | mg/Kg | 07/26/2007 14:51   | 13746 | 1    | RH      |
| Diesel Range Organics<br>[C10-C28]         | STL00143   | 410      |   |      | 4.2   | 10    | mg/Kg | 08/01/2007 15:43   | 13812 | 1    | IMC     |
| <b>Surrogates</b>                          |            |          |   |      |       |       |       |                    |       |      |         |

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|--------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.018  | 0.0174     | 104    | 28.0-150. |         |            | NOEQUIP    | 7/26/2007 2:51:00P | RH      |
| o-Terphenyl                 | 84-15-1    |         | 1        | 7.0    | 8.33       | 84     | 29-140    |         | 13708      | SVGC#4     | 8/1/2007 3:43:00PM | IMC     |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice Groundwater ATTN: Ms. Michelle Green

Job Number: 560-5670-1  
SDG Number: Eunice Landfarm

Client Sample ID: CELL 2D (2-3)

Lab Sample ID: 560-5670-6  
Client Matrix: Solid

Date Sampled: 07/19/2007 9:52  
Date Received: 07/20/2007 10:20

| TEST METHOD                       | CAS #     | RESULT | Q | FLAG | MDL    | SQL    | UNITS  | Analysis Date/Time | Batch            | D.F.  | Analyst |
|-----------------------------------|-----------|--------|---|------|--------|--------|--------|--------------------|------------------|-------|---------|
| <b>Method: SW846 8021B, Solid</b> |           |        |   |      |        |        |        |                    |                  |       |         |
| Benzene                           | 71-43-2   | 0.0016 | U |      | 0.0019 | 0.0050 | 0.0016 | mg/Kg              | 07/25/2007 15:01 | 13560 | 1 RH    |
| Ethylbenzene                      | 100-41-4  | 0.0019 | U |      | 0.0022 | 0.0050 | 0.0019 | mg/Kg              | 07/25/2007 15:01 | 13560 | 1 RH    |
| Toluene                           | 108-88-3  | 0.0018 | U |      | 0.0021 | 0.0050 | 0.0018 | mg/Kg              | 07/25/2007 15:01 | 13560 | 1 RH    |
| Xylenes, Total                    | 1330-20-7 | 0.0058 | U |      | 0.0067 | 0.015  | 0.0058 | mg/Kg              | 07/25/2007 15:01 | 13560 | 1 RH    |

## Surrogates

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|--------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.014  | 0.0174     | 79     | 51-127    |         |            | VGC#2      | 7/25/2007 3:01:00P | RH      |
| Trifluorotoluene (Surr)     | 98-08-8    |         | 1        | 0.012  | 0.0174     | 70     | 50-129    |         |            | VGC#2      | 7/25/2007 3:01:00P | RH      |

## DATA REPORTING QUALIFIERS

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

| Lab Section       | Qualifier | Description                                                                                                   |
|-------------------|-----------|---------------------------------------------------------------------------------------------------------------|
| GC VOA            |           |                                                                                                               |
|                   | U         | Analyte was not detected at or above the SQL.                                                                 |
|                   | N         | MS, MSD: Spike recovery exceeds upper or lower control limits.                                                |
|                   | J         | Result is less than the MQL but greater than or equal to the SQL and the concentration is an estimated value. |
|                   | N         | RPD of the MS and MSD exceeds the control limits                                                              |
|                   | X         | Surrogate exceeds the control limits                                                                          |
| GC Semi VOA       |           |                                                                                                               |
|                   | U         | Analyte was not detected at or above the SQL.                                                                 |
|                   | J         | Result is less than the MQL but greater than or equal to the SQL and the concentration is an estimated value. |
| General Chemistry |           |                                                                                                               |
|                   | U         | Analyte was not detected at or above the SQL.                                                                 |



# **QUALITY CONTROL RESULTS**

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID       | Report Basis | Client Matrix | Method | Prep Batch |
|---------------------------------|------------------------|--------------|---------------|--------|------------|
| <b>GC VOA</b>                   |                        |              |               |        |            |
| <b>Analysis Batch:560-13560</b> |                        |              |               |        |            |
| LCS 560-13560/1                 | Lab Control Spike      | T            | Solid         | 8021B  |            |
| MB 560-13560/2                  | Method Blank           | T            | Solid         | 8021B  |            |
| 560-5670-1                      | CELL 1A (2-3)          | T            | Solid         | 8021B  |            |
| 560-5670-1MS                    | Matrix Spike           | T            | Solid         | 8021B  |            |
| 560-5670-1MSD                   | Matrix Spike Duplicate | T            | Solid         | 8021B  |            |
| 560-5670-2                      | CELL 1B (2-3)          | T            | Solid         | 8021B  |            |
| 560-5670-3                      | CELL 1C (2-3)          | T            | Solid         | 8021B  |            |
| 560-5670-4                      | CELL 1C-1 (2-3)        | T            | Solid         | 8021B  |            |
| 560-5670-5                      | CELL 2D (0-1)          | T            | Solid         | 8021B  |            |
| 560-5670-6                      | CELL 2D (2-3)          | T            | Solid         | 8021B  |            |
| <b>Analysis Batch:560-13746</b> |                        |              |               |        |            |
| LCS 560-13746/1                 | Lab Control Spike      | T            | Solid         | 8015B  |            |
| MB 560-13746/2                  | Method Blank           | T            | Solid         | 8015B  |            |
| 560-5670-1                      | CELL 1A (2-3)          | T            | Solid         | 8015B  |            |
| 560-5670-1MS                    | Matrix Spike           | T            | Solid         | 8015B  |            |
| 560-5670-1MSD                   | Matrix Spike Duplicate | T            | Solid         | 8015B  |            |
| 560-5670-2                      | CELL 1B (2-3)          | T            | Solid         | 8015B  |            |
| 560-5670-3                      | CELL 1C (2-3)          | T            | Solid         | 8015B  |            |
| 560-5670-4                      | CELL 1C-1 (2-3)        | T            | Solid         | 8015B  |            |
| 560-5670-5                      | CELL 2D (0-1)          | T            | Solid         | 8015B  |            |
| 560-5670-6                      | CELL 2D (2-3)          | T            | Solid         | 8015B  |            |

#### Report Basis

T = Total

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID       | Report Basis | Client Matrix | Method | Prep Batch |
|---------------------------------|------------------------|--------------|---------------|--------|------------|
| <b>GC Semi VOA</b>              |                        |              |               |        |            |
| <b>Prep Batch: 560-13708</b>    |                        |              |               |        |            |
| LCS 560-13708/2-A               | Lab Control Spike      | T            | Solid         | 3550B  |            |
| MB 560-13708/1-A                | Method Blank           | T            | Solid         | 3550B  |            |
| 560-5670-1                      | CELL 1A (2-3)          | T            | Solid         | 3550B  |            |
| 560-5670-1MS                    | Matrix Spike           | T            | Solid         | 3550B  |            |
| 560-5670-1MSD                   | Matrix Spike Duplicate | T            | Solid         | 3550B  |            |
| 560-5670-2                      | CELL 1B (2-3)          | T            | Solid         | 3550B  |            |
| 560-5670-3                      | CELL 1C (2-3)          | T            | Solid         | 3550B  |            |
| 560-5670-4                      | CELL 1C-1 (2-3)        | T            | Solid         | 3550B  |            |
| 560-5670-5                      | CELL 2D (0-1)          | T            | Solid         | 3550B  |            |
| 560-5670-6                      | CELL 2D (2-3)          | T            | Solid         | 3550B  |            |
| <b>Analysis Batch:560-13812</b> |                        |              |               |        |            |
| LCS 560-13708/2-A               | Lab Control Spike      | T            | Solid         | 8015B  | 560-13708  |
| MB 560-13708/1-A                | Method Blank           | T            | Solid         | 8015B  | 560-13708  |
| 560-5670-1                      | CELL 1A (2-3)          | T            | Solid         | 8015B  | 560-13708  |
| 560-5670-1MS                    | Matrix Spike           | T            | Solid         | 8015B  | 560-13708  |
| 560-5670-1MSD                   | Matrix Spike Duplicate | T            | Solid         | 8015B  | 560-13708  |
| 560-5670-2                      | CELL 1B (2-3)          | T            | Solid         | 8015B  | 560-13708  |
| 560-5670-3                      | CELL 1C (2-3)          | T            | Solid         | 8015B  | 560-13708  |
| 560-5670-4                      | CELL 1C-1 (2-3)        | T            | Solid         | 8015B  | 560-13708  |
| 560-5670-5                      | CELL 2D (0-1)          | T            | Solid         | 8015B  | 560-13708  |
| 560-5670-6                      | CELL 2D (2-3)          | T            | Solid         | 8015B  | 560-13708  |

#### Report Basis

T = Total

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID       | Report Basis | Client Matrix | Method          | Prep Batch |
|---------------------------------|------------------------|--------------|---------------|-----------------|------------|
| <b>General Chemistry</b>        |                        |              |               |                 |            |
| <b>Analysis Batch:560-13497</b> |                        |              |               |                 |            |
| 560-5670-1                      | CELL 1A (2-3)          | T            | Solid         | PercentMoisture |            |
| 560-5670-2                      | CELL 1B (2-3)          | T            | Solid         | PercentMoisture |            |
| 560-5670-3                      | CELL 1C (2-3)          | T            | Solid         | PercentMoisture |            |
| 560-5670-4                      | CELL 1C-1 (2-3)        | T            | Solid         | PercentMoisture |            |
| 560-5670-5                      | CELL 2D (0-1)          | T            | Solid         | PercentMoisture |            |
| 560-5670-6                      | CELL 2D (2-3)          | T            | Solid         | PercentMoisture |            |
| <b>Prep Batch: 560-13824</b>    |                        |              |               |                 |            |
| LCS 560-13824/79-A              | Lab Control Spike      | S            | Solid         | NONE            |            |
| MB 560-13824/78-A               | Method Blank           | S            | Solid         | NONE            |            |
| 560-5670-1                      | CELL 1A (2-3)          | S            | Solid         | NONE            |            |
| 560-5670-2                      | CELL 1B (2-3)          | S            | Solid         | NONE            |            |
| 560-5670-3                      | CELL 1C (2-3)          | S            | Solid         | NONE            |            |
| 560-5670-4                      | CELL 1C-1 (2-3)        | S            | Solid         | NONE            |            |
| 560-5670-5                      | CELL 2D (0-1)          | S            | Solid         | NONE            |            |
| 560-5670-5MS                    | Matrix Spike           | S            | Solid         | NONE            |            |
| 560-5670-5MSD                   | Matrix Spike Duplicate | S            | Solid         | NONE            |            |
| 560-5670-6                      | CELL 2D (2-3)          | S            | Solid         | NONE            |            |
| <b>Analysis Batch:560-13871</b> |                        |              |               |                 |            |
| LCS 560-13824/79-A              | Lab Control Spike      | S            | Solid         | 9056            |            |
| MB 560-13824/78-A               | Method Blank           | S            | Solid         | 9056            |            |
| 560-5670-2                      | CELL 1B (2-3)          | S            | Solid         | 9056            |            |
| 560-5670-3                      | CELL 1C (2-3)          | S            | Solid         | 9056            |            |
| 560-5670-6                      | CELL 2D (2-3)          | S            | Solid         | 9056            |            |
| <b>Analysis Batch:560-13880</b> |                        |              |               |                 |            |
| LCS 560-13824/79-A              | Lab Control Spike      | S            | Solid         | 9056            |            |
| MB 560-13824/78-A               | Method Blank           | S            | Solid         | 9056            |            |
| 560-5670-1                      | CELL 1A (2-3)          | S            | Solid         | 9056            |            |
| 560-5670-4                      | CELL 1C-1 (2-3)        | S            | Solid         | 9056            |            |
| 560-5670-5                      | CELL 2D (0-1)          | S            | Solid         | 9056            |            |
| 560-5670-5MS                    | Matrix Spike           | S            | Solid         | 9056            |            |
| 560-5670-5MSD                   | Matrix Spike Duplicate | S            | Solid         | 9056            |            |

#### Report Basis

S = Soluble

T = Total

TestAmerica Corpus Christi

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

### Method Blank - Batch: 560-13746

Lab Sample ID: MB 560-13746/2  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 07/26/2007 1138  
Date Prepared: 07/26/2007 1138

Analysis Batch: 560-13746  
Prep Batch: N/A  
Units: mg/Kg

Method: 8015B  
Preparation: 5030B

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5.00 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                     | Result | Qual              | MDL   | RL   |
|-----------------------------|--------|-------------------|-------|------|
| GRO                         | 0.080  | U                 | 0.080 | 0.25 |
| Surrogate                   | % Rec  | Acceptance Limits |       |      |
| 4-Bromofluorobenzene (Surr) | 92     | 28.0 - 150.0      |       |      |

### Lab Control Spike - Batch: 560-13746

Lab Sample ID: LCS 560-13746/1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 07/26/2007 1109  
Date Prepared: 07/26/2007 1109

Analysis Batch: 560-13746  
Prep Batch: N/A  
Units: mg/Kg

Method: 8015B  
Preparation: 5030B

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5.00 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                     | Spike Amount | Result            | % Rec. | Limit        | Qual |
|-----------------------------|--------------|-------------------|--------|--------------|------|
| GRO                         | 1.00         | 1.10              | 110    | 60.0 - 140.0 |      |
| Surrogate                   | % Rec        | Acceptance Limits |        |              |      |
| 4-Bromofluorobenzene (Surr) | 112          | 28.0 - 150.0      |        |              |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-13746

Method: 8015B  
Preparation: 5030B

MS Lab Sample ID: 560-5670-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 07/26/2007 1520  
Date Prepared: 07/26/2007 1520

Analysis Batch: 560-13746  
Prep Batch: N/A

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5.75 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-5670-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 07/26/2007 1548  
Date Prepared: 07/26/2007 1548

Analysis Batch: 560-13746  
Prep Batch: N/A

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5.75 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                     | % Rec.   |     | Limit        | RPD               | RPD Limit    | MS Qual | MSD Qual |
|-----------------------------|----------|-----|--------------|-------------------|--------------|---------|----------|
|                             | MS       | MSD |              |                   |              |         |          |
| GRO                         | -24      | -61 | 60.0 - 140.0 | 107               | 30.0         | N       | J N      |
| Surrogate                   | MS % Rec |     | MSD % Rec    | Acceptance Limits |              |         |          |
| 4-Bromofluorobenzene (Surr) | 96       |     | 24           | X                 | 28.0 - 150.0 |         |          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

### Method Blank - Batch: 560-13560

**Method: 8021B**  
**Preparation: 5030B**

Lab Sample ID: MB 560-13560/2  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 07/25/2007 1031  
Date Prepared: 07/25/2007 1031

Analysis Batch: 560-13560  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: HP GC [Method 8021]  
Lab File ID: 07250703.D  
Initial Weight/Volume: 5.00 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                     | Result | Qual              | MDL    | RL     |
|-----------------------------|--------|-------------------|--------|--------|
| Benzene                     | 0.0019 | U                 | 0.0019 | 0.0050 |
| Toluene                     | 0.0021 | U                 | 0.0021 | 0.0050 |
| Ethylbenzene                | 0.0022 | U                 | 0.0022 | 0.0050 |
| Xylenes, Total              | 0.0067 | U                 | 0.0067 | 0.015  |
| Surrogate                   | % Rec  | Acceptance Limits |        |        |
| 4-Bromofluorobenzene (Surr) | 98     | 51 - 127          |        |        |
| Trifluorotoluene (Surr)     | 79     | 50 - 129          |        |        |

### Lab Control Spike - Batch: 560-13560

**Method: 8021B**  
**Preparation: 5030B**

Lab Sample ID: LCS 560-13560/1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 07/25/2007 1003  
Date Prepared: 07/25/2007 1003

Analysis Batch: 560-13560  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: HP GC [Method 8021]  
Lab File ID: 07250702.D  
Initial Weight/Volume: 5.00 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                     | Spike Amount | Result            | % Rec. | Limit    | Qual |
|-----------------------------|--------------|-------------------|--------|----------|------|
| Benzene                     | 0.0200       | 0.0188            | 94     | 76 - 128 |      |
| Toluene                     | 0.0200       | 0.0194            | 97     | 71 - 124 |      |
| Ethylbenzene                | 0.0200       | 0.0202            | 101    | 73 - 122 |      |
| Xylenes, Total              | 0.0400       | 0.0435            | 109    | 73 - 133 |      |
| Surrogate                   | % Rec        | Acceptance Limits |        |          |      |
| 4-Bromofluorobenzene (Surr) | 105          | 51 - 127          |        |          |      |
| Trifluorotoluene (Surr)     | 81           | 50 - 129          |        |          |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 560-13560**

**Method: 8021B  
Preparation: 5030B**

MS Lab Sample ID: 560-5670-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 07/25/2007 1625  
Date Prepared: 07/25/2007 1625

Analysis Batch: 560-13560  
Prep Batch: N/A

Instrument ID: HP GC [Method 8021]  
Lab File ID: 07250713.D  
Initial Weight/Volume: 5.75 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-5670-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 07/25/2007 1653  
Date Prepared: 07/25/2007 1653

Analysis Batch: 560-13560  
Prep Batch: N/A

Instrument ID: HP GC [Method 8021]  
Lab File ID: 07250714.D  
Initial Weight/Volume: 5.75 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                     | % Rec.   |     | Limit     | RPD               | RPD Limit | MS Qual | MSD Qual |
|-----------------------------|----------|-----|-----------|-------------------|-----------|---------|----------|
|                             | MS       | MSD |           |                   |           |         |          |
| Benzene                     | 83       | 89  | 28 - 150  | 7                 | 30        |         |          |
| Toluene                     | 94       | 99  | 23 - 150  | 5                 | 30        |         |          |
| Ethylbenzene                | 110      | 109 | 20 - 150  | 1                 | 30        |         |          |
| Xylenes, Total              | 121      | 116 | 20 - 150  | 4                 | 30        |         |          |
| Surrogate                   | MS % Rec |     | MSD % Rec | Acceptance Limits |           |         |          |
| 4-Bromofluorobenzene (Surr) | 111      |     | 109       | 51 - 127          |           |         |          |
| Trifluorotoluene (Surr)     | 84       |     | 89        | 50 - 129          |           |         |          |

Calculations are performed before rounding to avoid round-off errors in calculated results.



## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

### Method Blank - Batch: 560-13708

Lab Sample ID: MB 560-13708/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/01/2007 1003  
Date Prepared: 07/30/2007 1000

Analysis Batch: 560-13812  
Prep Batch: 560-13708  
Units: mg/Kg

### Method: 8015B Preparation: 3550B

Instrument ID: Hewlett Packard GC [Meth  
Lab File ID: 08010707.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                         | Result | Qual              | MDL | RL |
|---------------------------------|--------|-------------------|-----|----|
| Diesel Range Organics [C10-C28] | 4.2    | U                 | 4.2 | 50 |
| Surrogate                       | % Rec  | Acceptance Limits |     |    |
| o-Terphenyl                     | 85     | 29 - 140          |     |    |

### Lab Control Spike - Batch: 560-13708

Lab Sample ID: LCS 560-13708/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/01/2007 1012  
Date Prepared: 07/30/2007 1000

Analysis Batch: 560-13812  
Prep Batch: 560-13708  
Units: mg/Kg

### Method: 8015B Preparation: 3550B

Instrument ID: Hewlett Packard GC [Meth  
Lab File ID: 08010708.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                         | Spike Amount | Result            | % Rec. | Limit    | Qual |
|---------------------------------|--------------|-------------------|--------|----------|------|
| Diesel Range Organics [C10-C28] | 167          | 138               | 83     | 38 - 131 |      |
| Surrogate                       | % Rec        | Acceptance Limits |        |          |      |
| o-Terphenyl                     | 79           | 29 - 140          |        |          |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 560-13708

Method: 8015B

Preparation: 3550B

MS Lab Sample ID: 560-5670-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/01/2007 1038  
Date Prepared: 07/30/2007 1000

Analysis Batch: 560-13812  
Prep Batch: 560-13708

Instrument ID: Hewlett Packard GC [Met  
Lab File ID: 08010710.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-5670-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/01/2007 1047  
Date Prepared: 07/30/2007 1000

Analysis Batch: 560-13812  
Prep Batch: 560-13708

Instrument ID: Hewlett Packard GC [Meth  
Lab File ID: 08010711.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                         | % Rec.   |     | Limit     | RPD               | RPD Limit | MS Qual | MSD Qual |
|---------------------------------|----------|-----|-----------|-------------------|-----------|---------|----------|
|                                 | MS       | MSD |           |                   |           |         |          |
| Diesel Range Organics [C10-C28] | 104      | 108 | 38 - 131  | 3.8               | 30.0      |         |          |
| Surrogate                       | MS % Rec |     | MSD % Rec | Acceptance Limits |           |         |          |
| o-Terphenyl                     | 77       |     | 79        | 29 - 140          |           |         |          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

### Method Blank - Batch: 560-13871

Method: 9056

Preparation: N/A

Lab Sample ID: MB 560-13824/78-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/01/2007 1519  
Date Prepared: N/A  
Date Leached: 08/01/2007 1215

Analysis Batch: 560-13871  
Prep Batch: N/A  
Units: mg/Kg  
  
Leachate Batch: 560-13824

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

| Analyte    | Result | Qual | MDL  | RL   |
|------------|--------|------|------|------|
| Chloride-S | 0.14   | U    | 0.14 | 0.50 |

### Lab Control Spike - Batch: 560-13871

Method: 9056

Preparation: N/A

Lab Sample ID: LCS 560-13824/79-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/01/2007 1519  
Date Prepared: N/A  
Date Leached: 08/01/2007 1215

Analysis Batch: 560-13871  
Prep Batch: N/A  
Units: mg/Kg  
  
Leachate Batch: 560-13824

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

| Analyte    | Spike Amount | Result | % Rec. | Limit    | Qual |
|------------|--------------|--------|--------|----------|------|
| Chloride-S | 10.0         | 9.37   | 94     | 70 - 130 |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

### Method Blank - Batch: 560-13880

Method: 9056  
Preparation: N/A

Lab Sample ID: MB 560-13824/78-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/02/2007 1611  
Date Prepared: N/A  
Date Leached: 08/01/2007 1215

Analysis Batch: 560-13880  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

Leachate Batch: 560-13824

| Analyte    | Result | Qual | MDL  | RL   |
|------------|--------|------|------|------|
| Chloride-S | 0.14   | U    | 0.14 | 0.50 |

### Lab Control Spike - Batch: 560-13880

Method: 9056  
Preparation: N/A

Lab Sample ID: LCS 560-13824/79-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/02/2007 1611  
Date Prepared: N/A  
Date Leached: 08/01/2007 1215

Analysis Batch: 560-13880  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

Leachate Batch: 560-13824

| Analyte    | Spike Amount | Result | % Rec. | Limit    | Qual |
|------------|--------------|--------|--------|----------|------|
| Chloride-S | 10.0         | 9.10   | 91     | 70 - 130 |      |
| Chloride-S | 10.0         | 9.22   | 92     | 70 - 130 |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-13880

Method: 9056  
Preparation: N/A

MS Lab Sample ID: 560-5670-5  
Client Matrix: Solid  
Dilution: 20  
Date Analyzed: 08/02/2007 1611  
Date Prepared: N/A  
Date Leached: 08/01/2007 1215

Analysis Batch: 560-13880  
Prep Batch: N/A

Leachate Batch: 560-13824

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 560-5670-5  
Client Matrix: Solid  
Dilution: 20  
Date Analyzed: 08/02/2007 1611  
Date Prepared: N/A  
Date Leached: 08/01/2007 1215

Analysis Batch: 560-13880  
Prep Batch: N/A

Leachate Batch: 560-13824

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

| Analyte    | % Rec. |     | Limit    | RPD | RPD Limit | MS Qual | MSD Qual |
|------------|--------|-----|----------|-----|-----------|---------|----------|
|            | MS     | MSD |          |     |           |         |          |
| Chloride-S | 105    | 103 | 70 - 130 | 1   | 30        |         |          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

[illegible]

## LOGIN SAMPLE RECEIPT CHECK LIST

Client: Larson & Associates, Inc.

Job Number: 560-5670-1

Login Number: 5670

| Question                                                                         | T/F/NA | Comment                    |
|----------------------------------------------------------------------------------|--------|----------------------------|
| Radioactivity either was not measured or, if measured, is at or below background | NA     |                            |
| The cooler's custody seal, if present, is intact.                                | True   |                            |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |                            |
| Samples were received on ice.                                                    | True   |                            |
| Cooler Temperature is acceptable.                                                | True   |                            |
| Cooler Temperature is recorded.                                                  | True   | 0.9 NOT FROZEN IR#1 SEALED |
| COC is present.                                                                  | True   |                            |
| COC is filled out in ink and legible.                                            | True   |                            |
| COC is filled out with all pertinent information.                                | True   |                            |
| There are no discrepancies between the sample IDs on the containers and the COC. | True   |                            |
| Samples are received within Holding Time.                                        | True   |                            |
| Sample containers have legible labels.                                           | True   |                            |
| Containers are not broken or leaking.                                            | True   |                            |
| Sample collection date/times are provided.                                       | True   |                            |
| Appropriate sample containers are used.                                          | True   |                            |
| Sample bottles are completely filled.                                            | True   |                            |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |                            |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.     | True   |                            |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True   |                            |
| Multiphasic samples are not present.                                             | True   |                            |
| Samples do not require splitting or compositing.                                 | True   |                            |

## ANALYTICAL REPORT

Job Number: 560-6100-1

Job Description: Targa Landfarm

For:

Larson & Associates, Inc.

507 N Marienfeld

Suite 202

Midland, TX 79701

Attention: Ms. Michelle Green



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Julie Darrow  
Project Manager I  
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09/20/2007

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**Job Narrative**  
**560-J6100-1**

**Aromatic Volatile Organic (BTEX) Analysis**

Sample 560-6100-1 was analyzed for BTEX using EPA 8021B in batch 560-14507. The percent recovery results for the matrix spike and matrix spike duplicate associated with this batch and sample 1 were above the acceptance criteria for ethylbenzene and total xylenes. Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. The method blank and LCS were within acceptable limits and the data are therefore reported. In addition, the percent recovery results for the surrogates associated with samples 1, 1 MS, and 1 MSD were above the acceptance criteria for trifluorotoluene. Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. The method blank and LCS were within acceptable limits and the data are therefore reported.

**Diesel Range Organics (DRO) Analysis**

Sample 560-6100-3, 4, and 5 were analyzed for DRO using EPA Method 8015B in batch 560-15188. The percent recovery results for the matrix spike and matrix spike duplicate associated with this batch and sample 3 were above the acceptance criteria for DRO. In addition, the RPD for the spiked pair was above the acceptance criteria. Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. The method blank and LCS were within acceptable limits and the data are therefore reported. In addition, the percent recovery results for the surrogates associated with samples 3, 3 MS, 3 MSD, and 4 were above the acceptance criteria for o-terphenyl. The method blank and LCS were within acceptable limits and the out of control data are due to matrix interference and sample dilution. The data are therefore reported.

## EXECUTIVE SUMMARY - Detections

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

| Lab Sample ID<br>Analyte             | Client Sample ID | Result / Qualifier |   | Reporting<br>Limit | Units | Method |
|--------------------------------------|------------------|--------------------|---|--------------------|-------|--------|
|                                      |                  |                    |   |                    |       |        |
| 560-6100-1                           | CELL 1A (0-1)    |                    |   |                    |       |        |
| Gasoline Range Organics (GRO)-C6-C10 |                  | 1.9                | B | 0.085              | mg/Kg | 8015M  |
| Toluene                              |                  | 1.7                |   | 0.087              | mg/Kg | 8021B  |
| Ethylbenzene                         |                  | 2.6                |   | 0.044              | mg/Kg | 8021B  |
| Xylenes, Total                       |                  | 6.4                |   | 0.26               | mg/Kg | 8021B  |
| Diesel Range Organics [C10-C28]      |                  | 1200               |   | 500                | mg/Kg | 8015B  |
| <i>Soluble</i>                       |                  |                    |   |                    |       |        |
| Chloride-S                           |                  | 88                 |   | 5.0                | mg/Kg | 9056   |
|                                      |                  |                    |   |                    |       |        |
| 560-6100-2                           | CELL 1B (0-1)    |                    |   |                    |       |        |
| Diesel Range Organics [C10-C28]      |                  | 19                 | J | 50                 | mg/Kg | 8015B  |
| <i>Soluble</i>                       |                  |                    |   |                    |       |        |
| Chloride-S                           |                  | 690                |   | 50                 | mg/Kg | 9056   |
|                                      |                  |                    |   |                    |       |        |
| 560-6100-3                           | CELL 1C (0-1)    |                    |   |                    |       |        |
| Gasoline Range Organics (GRO)-C6-C10 |                  | 0.11               | B | 0.075              | mg/Kg | 8015M  |
| Diesel Range Organics [C10-C28]      |                  | 1700               |   | 500                | mg/Kg | 8015B  |
| <i>Soluble</i>                       |                  |                    |   |                    |       |        |
| Chloride-S                           |                  | 36                 |   | 5.0                | mg/Kg | 9056   |
|                                      |                  |                    |   |                    |       |        |
| 560-6100-4                           | CELL 2D (0-1)    |                    |   |                    |       |        |
| Gasoline Range Organics (GRO)-C6-C10 |                  | 16                 | B | 0.34               | mg/Kg | 8015M  |
| Toluene                              |                  | 0.0069             |   | 0.0044             | mg/Kg | 8021B  |
| Ethylbenzene                         |                  | 0.010              |   | 0.0044             | mg/Kg | 8021B  |
| Xylenes, Total                       |                  | 0.081              |   | 0.013              | mg/Kg | 8021B  |
| Diesel Range Organics [C10-C28]      |                  | 2200               |   | 500                | mg/Kg | 8015B  |
| <i>Soluble</i>                       |                  |                    |   |                    |       |        |
| Chloride-S                           |                  | 220                |   | 5.0                | mg/Kg | 9056   |
|                                      |                  |                    |   |                    |       |        |
| 560-6100-5                           | CELL 1B-01 (0-1) |                    |   |                    |       |        |
| Xylenes, Total                       |                  | 0.010              | J | 0.013              | mg/Kg | 8021B  |
| Diesel Range Organics [C10-C28]      |                  | 15                 | J | 50                 | mg/Kg | 8015B  |
| <i>Soluble</i>                       |                  |                    |   |                    |       |        |
| Chloride-S                           |                  | 44                 |   | 5.0                | mg/Kg | 9056   |

## METHOD SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

| Description                                                            | Lab Location | Method      | Preparation Method |
|------------------------------------------------------------------------|--------------|-------------|--------------------|
| <b>Matrix: Solid</b>                                                   |              |             |                    |
| GRO by 8015M                                                           | TAL PEN      | SW846 8015M |                    |
| Closed System Purge & Trap/Field Preservation                          | TAL PEN      |             | * SW846 5035       |
| Aromatic and Halogenated VOCs by Gas Chromatography using PID or ELCD  | TAL CC       | SW846 8021B |                    |
| Purge and Trap for Methanol Extractions                                | TAL CC       |             | SW846 5030B        |
| Purge and Trap for Solids                                              | TAL CC       |             | SW846 5030B        |
| Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics) | TAL CC       | SW846 8015B |                    |
| Ultrasonic Extraction                                                  | TAL CC       |             | SW846 3550B        |
| Anions by Ion Chromatography                                           | TAL CC       | SW846 9056  |                    |
| Deionized Water Leaching Procedure (Routine)                           | TAL CC       |             | ASTM DI Leach      |

### Lab References:

TAL CC = TestAmerica Corpus Christi

TAL PEN = TestAmerica Pensacola

### Method References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## METHOD / ANALYST SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

| <b>Method</b> | <b>Analyst</b>    | <b>Analyst ID</b> |
|---------------|-------------------|-------------------|
| SW846 8015M   | Khramova, Galina  | GK                |
| SW846 8021B   | Gonzales, Roman J | RJG               |
| SW846 8015B   | Cady, Iryna M     | IMC               |
| SW846 9056    | Alvarez, Tracy L  | TLA               |

## SAMPLE SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time<br>Sampled | Date/Time<br>Received |
|---------------|------------------|---------------|----------------------|-----------------------|
| 560-6100-1    | Cell 1A (0-1)    | Solid         | 08/16/2007 1130      | 08/17/2007 1013       |
| 560-6100-2    | Cell 1B (0-1)    | Solid         | 08/16/2007 1200      | 08/17/2007 1013       |
| 560-6100-3    | Cell 1C (0-1)    | Solid         | 08/16/2007 1145      | 08/17/2007 1013       |
| 560-6100-4    | Cell 2D (0-1)    | Solid         | 08/16/2007 1245      | 08/17/2007 1013       |
| 560-6100-5    | Cell 1B-01 (0-1) | Solid         | 08/16/2007 1230      | 08/17/2007 1013       |

# **SAMPLE RESULTS**

## Analytical Data

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

Client Sample ID: Cell 1A (0-1)

Lab Sample ID: 560-6100-1

Client Matrix: Solid

Date Sampled: 08/16/2007 1130

Date Received: 08/17/2007 1013

### 8015M GRO by 8015M

Method: 8015M

Analysis Batch: 400-54187

Instrument ID: GC/PID/FID

Preparation: 5035

Prep Batch: 400-54203

Lab File ID: R082306.D

Dilution: 1.0

Initial Weight/Volume: 5.89 g

Date Analyzed: 08/23/2007 1238

Final Weight/Volume: 5.0 g

Date Prepared: 08/23/2007 0955

Injection Volume:

Column ID: PRIMARY

| Analyte                              | DryWt Corrected: N | Result (mg/Kg) | Qualifier | MDL   | RL    |
|--------------------------------------|--------------------|----------------|-----------|-------|-------|
| Gasoline Range Organics (GRO)-C6-C10 |                    | 1.9            | B         | 0.028 | 0.085 |

| Surrogate                    | %Rec | Acceptance Limits |
|------------------------------|------|-------------------|
| a,a,a-Trifluorotoluene (fid) | 74   | 60 - 134          |

## Analytical Data

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

**Client Sample ID:** Cell 1B (0-1)

Lab Sample ID: 560-6100-2

Date Sampled: 08/16/2007 1200

Client Matrix: Solid

Date Received: 08/17/2007 1013

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### 8015M GRO by 8015M

Method: 8015M

Analysis Batch: 400-54187

Instrument ID: GC/PID/FID

Preparation: 5035

Prep Batch: 400-54203

Lab File ID: R082307.D

Dilution: 1.0

Initial Weight/Volume: 5.03 g

Date Analyzed: 08/23/2007 1330

Final Weight/Volume: 5.0 g

Date Prepared: 08/23/2007 0955

Injection Volume:

Column ID: PRIMARY

| Analyte                              | DryWt Corrected: N | Result (mg/Kg) | Qualifier | MDL   | RL    |
|--------------------------------------|--------------------|----------------|-----------|-------|-------|
| Gasoline Range Organics (GRO)-C6-C10 |                    | 0.033          | U         | 0.033 | 0.099 |

| Surrogate                    | %Rec | Acceptance Limits |
|------------------------------|------|-------------------|
| a,a,a-Trifluorotoluene (fid) | 105  | 60 - 134          |



## Analytical Data

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

Client Sample ID: Cell 1C (0-1)

Lab Sample ID: 560-6100-3

Client Matrix: Solid

Date Sampled: 08/16/2007 1145

Date Received: 08/17/2007 1013

### 8015M GRO by 8015M

Method: 8015M

Analysis Batch: 400-54187

Instrument ID: GC/PID/FID

Preparation: 5035

Prep Batch: 400-54203

Lab File ID: R082308.D

Dilution: 1.0

Initial Weight/Volume: 6.65 g

Date Analyzed: 08/23/2007 1357

Final Weight/Volume: 5.0 g

Date Prepared: 08/23/2007 0955

Injection Volume:

Column ID: PRIMARY

| Analyte                              | DryWt Corrected: N | Result (mg/Kg) | Qualifier | MDL   | RL    |
|--------------------------------------|--------------------|----------------|-----------|-------|-------|
| Gasoline Range Organics (GRO)-C6-C10 |                    | 0.11           | B         | 0.025 | 0.075 |

| Surrogate                    | %Rec | Acceptance Limits |
|------------------------------|------|-------------------|
| a,a,a-Trifluorotoluene (fid) | 103  | 60 - 134          |

## Analytical Data

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

Client Sample ID: Cell 2D (0-1)

Lab Sample ID: 560-6100-4

Client Matrix: Solid

Date Sampled: 08/16/2007 1245

Date Received: 08/17/2007 1013

### 8015M GRO by 8015M

Method: 8015M

Analysis Batch: 400-54188

Instrument ID: GC/PID/FID

Preparation: 5035

Prep Batch: 400-54204

Lab File ID: R082408.D

Dilution: 1.0

Initial Weight/Volume: 1.45 g

Date Analyzed: 08/24/2007 1342

Final Weight/Volume: 5.0 g

Date Prepared: 08/24/2007 0934

Injection Volume:

Column ID: PRIMARY

| Analyte                              | DryWt Corrected: N | Result (mg/Kg) | Qualifier | MDL  | RL   |
|--------------------------------------|--------------------|----------------|-----------|------|------|
| Gasoline Range Organics (GRO)-C6-C10 |                    | 16             | B         | 0.11 | 0.34 |

| Surrogate                    | %Rec | Acceptance Limits |
|------------------------------|------|-------------------|
| a,a,a-Trifluorotoluene (fid) | 96   | 60 - 134          |

## Analytical Data

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

Client Sample ID: Cell 1B-01 (0-1)

Lab Sample ID: 560-6100-5

Client Matrix: Solid

Date Sampled: 08/16/2007 1230

Date Received: 08/17/2007 1013

### 8015M GRO by 8015M

Method: 8015M

Analysis Batch: 400-54187

Instrument ID: GC/PID/FID

Preparation: 5035

Prep Batch: 400-54203

Lab File ID: R082310.D

Dilution: 1.0

Initial Weight/Volume: 6.39 g

Date Analyzed: 08/23/2007 1451

Final Weight/Volume: 5.0 g

Date Prepared: 08/23/2007 0955

Injection Volume:

Column ID: PRIMARY

| Analyte                              | DryWt Corrected: N | Result (mg/Kg) | Qualifier | MDL   | RL    |
|--------------------------------------|--------------------|----------------|-----------|-------|-------|
| Gasoline Range Organics (GRO)-C6-C10 |                    | 0.026          | U         | 0.026 | 0.078 |

| Surrogate                    | %Rec | Acceptance Limits |
|------------------------------|------|-------------------|
| a,a,a-Trifluorotoluene (fid) | 103  | 60 - 134          |

## Analytical Data

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

Client Sample ID: Cell 1A (0-1)

Lab Sample ID: 560-6100-1

Date Sampled: 08/16/2007 1130

Client Matrix: Solid

Date Received: 08/17/2007 1013

### 8021B Aromatic and Halogenated VOCs by Gas Chromatography using PID or ELCD

|                |                 |                           |                        |                     |
|----------------|-----------------|---------------------------|------------------------|---------------------|
| Method:        | 8021B           | Analysis Batch: 560-14507 | Instrument ID:         | HP GC [Method 8021] |
| Preparation:   | 5030B-Medium    | Prep Batch: 560-14430     | Lab File ID:           | 08220704.D          |
| Dilution:      | 1.0             |                           | Initial Weight/Volume: | 5.72 g              |
| Date Analyzed: | 08/22/2007 0932 |                           | Final Weight/Volume:   | 10 mL               |
| Date Prepared: | 08/22/2007 0730 |                           | Injection Volume:      |                     |
|                |                 |                           | Column ID:             | PRIMARY             |

| Analyte                     | DryWt Corrected: N | Result (mg/Kg) | Qualifier | MDL               | RL    |
|-----------------------------|--------------------|----------------|-----------|-------------------|-------|
| Benzene                     |                    | 0.0043         | U         | 0.0043            | 0.044 |
| Toluene                     |                    | 1.7            |           | 0.0044            | 0.087 |
| Ethylbenzene                |                    | 2.6            |           | 0.0042            | 0.044 |
| Xylenes, Total              |                    | 6.4            |           | 0.011             | 0.26  |
| Surrogate                   |                    | %Rec           |           | Acceptance Limits |       |
| 4-Bromofluorobenzene (Surr) |                    | 96             |           | 47 - 120          |       |
| Trifluorotoluene (Surr)     |                    | 167            | X         | 35 - 132          |       |

## Analytical Data

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

Client Sample ID: Cell 1B (0-1)

Lab Sample ID: 560-6100-2

Date Sampled: 08/16/2007 1200

Client Matrix: Solid

Date Received: 08/17/2007 1013

### 8021B Aromatic and Halogenated VOCs by Gas Chromatography using PID or ELCD

|                |                 |                           |                        |                     |
|----------------|-----------------|---------------------------|------------------------|---------------------|
| Method:        | 8021B           | Analysis Batch: 560-14443 | Instrument ID:         | HP GC [Method 8021] |
| Preparation:   | 5030B           |                           | Lab File ID:           | 08210706.D          |
| Dilution:      | 1.0             |                           | Initial Weight/Volume: | 5.75 g              |
| Date Analyzed: | 08/21/2007 1121 |                           | Final Weight/Volume:   | 5 mL                |
| Date Prepared: | 08/21/2007 1121 |                           | Injection Volume:      |                     |
|                |                 |                           | Column ID:             | PRIMARY             |

| Analyte                     | DryWt Corrected: N | Result (mg/Kg) | Qualifier | MDL               | MQL    |
|-----------------------------|--------------------|----------------|-----------|-------------------|--------|
| Benzene                     |                    | 0.0016         | U         | 0.0016            | 0.0043 |
| Toluene                     |                    | 0.0018         | U         | 0.0018            | 0.0043 |
| Ethylbenzene                |                    | 0.0019         | U         | 0.0019            | 0.0043 |
| Xylenes, Total              |                    | 0.0058         | U         | 0.0058            | 0.013  |
| Surrogate                   |                    | %Rec           |           | Acceptance Limits |        |
| 4-Bromofluorobenzene (Surr) |                    | 103            |           | 51 - 127          |        |
| Trifluorotoluene (Surr)     |                    | 98             |           | 50 - 129          |        |

## Analytical Data

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

Client Sample ID: Cell 1C (0-1)

Lab Sample ID: 560-6100-3

Date Sampled: 08/16/2007 1145

Client Matrix: Solid

Date Received: 08/17/2007 1013

### 8021B Aromatic and Halogenated VOCs by Gas Chromatography using PID or ELCD

|                |                 |                           |                        |                     |
|----------------|-----------------|---------------------------|------------------------|---------------------|
| Method:        | 8021B           | Analysis Batch: 560-14443 | Instrument ID:         | HP GC [Method 8021] |
| Preparation:   | 5030B           |                           | Lab File ID:           | 08210707.D          |
| Dilution:      | 1.0             |                           | Initial Weight/Volume: | 5.77 g              |
| Date Analyzed: | 08/21/2007 1149 |                           | Final Weight/Volume:   | 5 mL                |
| Date Prepared: | 08/21/2007 1149 |                           | Injection Volume:      |                     |
|                |                 |                           | Column ID:             | PRIMARY             |

| Analyte                     | DryWt Corrected: N | Result (mg/Kg) | Qualifier | MDL               | MQL    |
|-----------------------------|--------------------|----------------|-----------|-------------------|--------|
| Benzene                     |                    | 0.0016         | U         | 0.0016            | 0.0043 |
| Toluene                     |                    | 0.0018         | U         | 0.0018            | 0.0043 |
| Ethylbenzene                |                    | 0.0019         | U         | 0.0019            | 0.0043 |
| Xylenes, Total              |                    | 0.0058         | U         | 0.0058            | 0.013  |
| Surrogate                   |                    | %Rec           |           | Acceptance Limits |        |
| 4-Bromofluorobenzene (Surr) |                    | 96             |           | 51 - 127          |        |
| Trifluorotoluene (Surr)     |                    | 95             |           | 50 - 129          |        |

## Analytical Data

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

Client Sample ID: Cell 2D (0-1)

Lab Sample ID: 560-6100-4

Client Matrix: Solid

Date Sampled: 08/16/2007 1245

Date Received: 08/17/2007 1013

### 8021B Aromatic and Halogenated VOCs by Gas Chromatography using PID or ELCD

Method: 8021B

Analysis Batch: 560-14443

Instrument ID: HP GC [Method 8021]

Preparation: 5030B

Lab File ID: 08210708.D

Dilution: 1.0

Initial Weight/Volume: 5.72 g

Date Analyzed: 08/21/2007 1217

Final Weight/Volume: 5 mL

Date Prepared: 08/21/2007 1217

Injection Volume:

Column ID: PRIMARY

| Analyte                     | DryWt Corrected: N | Result (mg/Kg) | Qualifier | MDL               | MQL    |
|-----------------------------|--------------------|----------------|-----------|-------------------|--------|
| Benzene                     |                    | 0.0017         | U         | 0.0017            | 0.0044 |
| Toluene                     |                    | 0.0069         |           | 0.0018            | 0.0044 |
| Ethylbenzene                |                    | 0.010          |           | 0.0019            | 0.0044 |
| Xylenes, Total              |                    | 0.081          |           | 0.0058            | 0.013  |
| Surrogate                   |                    | %Rec           |           | Acceptance Limits |        |
| 4-Bromofluorobenzene (Surr) |                    | 85             |           | 51 - 127          |        |
| Trifluorotoluene (Surr)     |                    | 114            |           | 50 - 129          |        |

## Analytical Data

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

Client Sample ID: Cell 1B-01 (0-1)

Lab Sample ID: 560-6100-5

Date Sampled: 08/16/2007 1230

Client Matrix: Solid

Date Received: 08/17/2007 1013

### 8021B Aromatic and Halogenated VOCs by Gas Chromatography using PID or ELCD

Method: 8021B

Analysis Batch: 560-14443

Instrument ID: HP GC [Method 8021]

Preparation: 5030B

Lab File ID: 08210709.D

Dilution: 1.0

Initial Weight/Volume: 5.75 g

Date Analyzed: 08/21/2007 1245

Final Weight/Volume: 5 mL

Date Prepared: 08/21/2007 1245

Injection Volume:

Column ID: PRIMARY

| Analyte                     | DryWt Corrected: N | Result (mg/Kg) | Qualifier | MDL               | MQL    |
|-----------------------------|--------------------|----------------|-----------|-------------------|--------|
| Benzene                     |                    | 0.0016         | U         | 0.0016            | 0.0043 |
| Toluene                     |                    | 0.0018         | U         | 0.0018            | 0.0043 |
| Ethylbenzene                |                    | 0.0019         | U         | 0.0019            | 0.0043 |
| Xylenes, Total              |                    | 0.010          | J         | 0.0058            | 0.013  |
| Surrogate                   |                    | %Rec           |           | Acceptance Limits |        |
| 4-Bromofluorobenzene (Surr) |                    | 97             |           | 51 - 127          |        |
| Trifluorotoluene (Surr)     |                    | 94             |           | 50 - 129          |        |



## Analytical Data

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

Client Sample ID: Cell 1A (0-1)

Lab Sample ID: 560-6100-1

Client Matrix: Solid

Date Sampled: 08/16/2007 1130

Date Received: 08/17/2007 1013

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### 8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

|                |                 |                           |                        |                    |
|----------------|-----------------|---------------------------|------------------------|--------------------|
| Method:        | 8015B           | Analysis Batch: 560-15188 | Instrument ID:         | Agilent GC [Method |
| Preparation:   | 3550B           | Prep Batch: 560-14558     | Lab File ID:           | 09130730.D         |
| Dilution:      | 10              |                           | Initial Weight/Volume: | 30 g               |
| Date Analyzed: | 09/13/2007 2137 |                           | Final Weight/Volume:   | 5 mL               |
| Date Prepared: | 08/24/2007 1200 |                           | Injection Volume:      |                    |
|                |                 |                           | Column ID:             | PRIMARY            |

| Analyte                         | DryWt Corrected: N | Result (mg/Kg) | Qualifier | MDL | RL  |
|---------------------------------|--------------------|----------------|-----------|-----|-----|
| Diesel Range Organics [C10-C28] |                    | 1200           |           | 42  | 500 |

| Surrogate   | %Rec | Acceptance Limits |
|-------------|------|-------------------|
| o-Terphenyl | 124  | 29 - 140          |

## Analytical Data

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

Client Sample ID: Cell 1B (0-1)

Lab Sample ID: 560-6100-2

Date Sampled: 08/16/2007 1200

Client Matrix: Solid

Date Received: 08/17/2007 1013

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### 8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

|                |                 |                           |                        |                    |
|----------------|-----------------|---------------------------|------------------------|--------------------|
| Method:        | 8015B           | Analysis Batch: 560-15188 | Instrument ID:         | Agilent GC [Method |
| Preparation:   | 3550B           | Prep Batch: 560-14558     | Lab File ID:           | 09130732.D         |
| Dilution:      | 1.0             |                           | Initial Weight/Volume: | 30 g               |
| Date Analyzed: | 09/13/2007 2217 |                           | Final Weight/Volume:   | 5 mL               |
| Date Prepared: | 08/24/2007 1200 |                           | Injection Volume:      |                    |
|                |                 |                           | Column ID:             | PRIMARY            |

| Analyte                         | DryWt Corrected: N | Result (mg/Kg) | Qualifier | MDL | RL |
|---------------------------------|--------------------|----------------|-----------|-----|----|
| Diesel Range Organics [C10-C28] |                    | 19             | J         | 4.2 | 50 |

| Surrogate   | %Rec | Acceptance Limits |
|-------------|------|-------------------|
| o-Terphenyl | 83   | 29 - 140          |

## Analytical Data

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

Client Sample ID: Cell 1C (0-1)

Lab Sample ID: 560-6100-3

Date Sampled: 08/16/2007 1145

Client Matrix: Solid

Date Received: 08/17/2007 1013

### 8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B

Analysis Batch: 560-15188

Instrument ID: Agilent GC [Method

Preparation: 3550B

Prep Batch: 560-14558

Lab File ID: 09130734.D

Dilution: 10

Initial Weight/Volume: 30 g

Date Analyzed: 09/13/2007 2256

Final Weight/Volume: 5 mL

Date Prepared: 08/24/2007 1200

Injection Volume:

Column ID: PRIMARY

| Analyte                         | DryWt Corrected: N | Result (mg/Kg) | Qualifier | MDL | RL  |
|---------------------------------|--------------------|----------------|-----------|-----|-----|
| Diesel Range Organics [C10-C28] |                    | 1700           |           | 42  | 500 |

| Surrogate   | %Rec |   | Acceptance Limits |
|-------------|------|---|-------------------|
| o-Terphenyl | 195  | X | 29 - 140          |

## Analytical Data

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

Client Sample ID: Cell 2D (0-1)

Lab Sample ID: 560-6100-4

Date Sampled: 08/16/2007 1245

Client Matrix: Solid

Date Received: 08/17/2007 1013

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### 8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B

Analysis Batch: 560-15188

Instrument ID: Agilent GC [Method

Preparation: 3550B

Prep Batch: 560-14558

Lab File ID: 09130740.D

Dilution: 10

Initial Weight/Volume: 30 g

Date Analyzed: 09/14/2007 0054

Final Weight/Volume: 5 mL

Date Prepared: 08/24/2007 1200

Injection Volume:

Column ID: PRIMARY

| Analyte                         | DryWt Corrected: N | Result (mg/Kg) | Qualifier | MDL | RL  |
|---------------------------------|--------------------|----------------|-----------|-----|-----|
| Diesel Range Organics [C10-C28] |                    | 2200           |           | 42  | 500 |

| Surrogate   | %Rec |   | Acceptance Limits |
|-------------|------|---|-------------------|
| o-Terphenyl | 252  | X | 29 - 140          |

## Analytical Data

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

Client Sample ID: Cell 1B-01 (0-1)

Lab Sample ID: 560-6100-5

Date Sampled: 08/16/2007 1230

Client Matrix: Solid

Date Received: 08/17/2007 1013

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### 8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

|                |                 |                           |                        |                    |
|----------------|-----------------|---------------------------|------------------------|--------------------|
| Method:        | 8015B           | Analysis Batch: 560-15188 | Instrument ID:         | Agilent GC [Method |
| Preparation:   | 3550B           | Prep Batch: 560-14558     | Lab File ID:           | 09130742.D         |
| Dilution:      | 1.0             |                           | Initial Weight/Volume: | 30 g               |
| Date Analyzed: | 09/14/2007 0135 |                           | Final Weight/Volume:   | 5 mL               |
| Date Prepared: | 08/24/2007 1200 |                           | Injection Volume:      |                    |
|                |                 |                           | Column ID:             | PRIMARY            |

| Analyte                         | DryWt Corrected: N | Result (mg/Kg) | Qualifier | MDL | RL |
|---------------------------------|--------------------|----------------|-----------|-----|----|
| Diesel Range Organics [C10-C28] |                    | 15             | J         | 4.2 | 50 |

| Surrogate   | %Rec | Acceptance Limits |
|-------------|------|-------------------|
| o-Terphenyl | 80   | 29 - 140          |

**Analytical Data**

Client: Larson &amp; Associates, Inc.

Job Number: 560-6100-1

**General Chemistry****Client Sample ID: Cell 1A (0-1)**

Lab Sample ID: 560-6100-1

Date Sampled: 08/16/2007 1130

Client Matrix: Solid

Date Received: 08/17/2007 1013

| Analyte              | Result | Qual | Units | MDL           | RL              | Dil                | Method |
|----------------------|--------|------|-------|---------------|-----------------|--------------------|--------|
| Chloride-S           | 88     |      | mg/Kg | 1.4           | 5.0             | 1.0                | 9056   |
| Any Batch: 560-14589 |        |      |       | Date Analyzed | 08/21/2007 1436 | DryWt Corrected: N |        |

**Client Sample ID: Cell 1B (0-1)**

Lab Sample ID: 560-6100-2

Date Sampled: 08/16/2007 1200

Client Matrix: Solid

Date Received: 08/17/2007 1013

| Analyte              | Result | Qual | Units | MDL           | RL              | Dil                | Method |
|----------------------|--------|------|-------|---------------|-----------------|--------------------|--------|
| Chloride-S           | 690    |      | mg/Kg | 14            | 50              | 10                 | 9056   |
| Any Batch: 560-14589 |        |      |       | Date Analyzed | 08/21/2007 1436 | DryWt Corrected: N |        |

**Client Sample ID: Cell 1C (0-1)**

Lab Sample ID: 560-6100-3

Date Sampled: 08/16/2007 1145

Client Matrix: Solid

Date Received: 08/17/2007 1013

| Analyte              | Result | Qual | Units | MDL           | RL              | Dil                | Method |
|----------------------|--------|------|-------|---------------|-----------------|--------------------|--------|
| Chloride-S           | 36     |      | mg/Kg | 1.4           | 5.0             | 1.0                | 9056   |
| Any Batch: 560-14589 |        |      |       | Date Analyzed | 08/21/2007 1436 | DryWt Corrected: N |        |

**Client Sample ID: Cell 2D (0-1)**

Lab Sample ID: 560-6100-4

Date Sampled: 08/16/2007 1245

Client Matrix: Solid

Date Received: 08/17/2007 1013

| Analyte              | Result | Qual | Units | MDL           | RL              | Dil                | Method |
|----------------------|--------|------|-------|---------------|-----------------|--------------------|--------|
| Chloride-S           | 220    |      | mg/Kg | 1.4           | 5.0             | 1.0                | 9056   |
| Any Batch: 560-14589 |        |      |       | Date Analyzed | 08/21/2007 1436 | DryWt Corrected: N |        |

**Client Sample ID: Cell 1B-01 (0-1)**

Lab Sample ID: 560-6100-5

Date Sampled: 08/16/2007 1230

Client Matrix: Solid

Date Received: 08/17/2007 1013

| Analyte              | Result | Qual | Units | MDL           | RL              | Dil                | Method |
|----------------------|--------|------|-------|---------------|-----------------|--------------------|--------|
| Chloride-S           | 44     |      | mg/Kg | 1.4           | 5.0             | 1.0                | 9056   |
| Any Batch: 560-14589 |        |      |       | Date Analyzed | 08/21/2007 1436 | DryWt Corrected: N |        |

## DATA REPORTING QUALIFIERS

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

| Lab Section | Qualifier | Description                                                                                                                                               |
|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| GC VOA      |           |                                                                                                                                                           |
|             | B         | Compound was found in the blank and sample.                                                                                                               |
|             | U         | Indicates the analyte was analyzed for but not detected.                                                                                                  |
|             | F         | MS or MSD exceeds the control limits                                                                                                                      |
|             | J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.                                            |
|             | X         | Surrogate exceeds the control limits                                                                                                                      |
| GC Semi VOA |           |                                                                                                                                                           |
|             | U         | Indicates the analyte was analyzed for but not detected.                                                                                                  |
|             | 4         | MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable. |
|             | J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.                                            |
|             | X         | Surrogate exceeds the control limits                                                                                                                      |

# **QUALITY CONTROL RESULTS**



## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID       | Report Basis | Client Matrix | Method | Prep Batch |
|---------------------------------|------------------------|--------------|---------------|--------|------------|
| <b>GC VOA</b>                   |                        |              |               |        |            |
| <b>Prep Batch: 560-14430</b>    |                        |              |               |        |            |
| LCS 560-14430/1-A               | Lab Control Spike      | T            | Solid         | 5030B  |            |
| MB 560-14430/2-A                | Method Blank           | T            | Solid         | 5030B  |            |
| 560-6100-1                      | Cell 1A (0-1)          | T            | Solid         | 5030B  |            |
| 560-6100-1MS                    | Matrix Spike           | T            | Solid         | 5030B  |            |
| 560-6100-1MSD                   | Matrix Spike Duplicate | T            | Solid         | 5030B  |            |
| <b>Analysis Batch:560-14443</b> |                        |              |               |        |            |
| LCS 560-14443/1                 | Lab Control Spike      | T            | Solid         | 8021B  |            |
| MB 560-14443/2                  | Method Blank           | T            | Solid         | 8021B  |            |
| 560-6100-2                      | Cell 1B (0-1)          | T            | Solid         | 8021B  |            |
| 560-6100-3                      | Cell 1C (0-1)          | T            | Solid         | 8021B  |            |
| 560-6100-4                      | Cell 2D (0-1)          | T            | Solid         | 8021B  |            |
| 560-6100-5                      | Cell 1B-01 (0-1)       | T            | Solid         | 8021B  |            |
| <b>Analysis Batch:560-14507</b> |                        |              |               |        |            |
| LCS 560-14430/1-A               | Lab Control Spike      | T            | Solid         | 8021B  | 560-14430  |
| MB 560-14430/2-A                | Method Blank           | T            | Solid         | 8021B  | 560-14430  |
| 560-6100-1                      | Cell 1A (0-1)          | T            | Solid         | 8021B  | 560-14430  |
| 560-6100-1MS                    | Matrix Spike           | T            | Solid         | 8021B  | 560-14430  |
| 560-6100-1MSD                   | Matrix Spike Duplicate | T            | Solid         | 8021B  | 560-14430  |
| <b>Analysis Batch:400-54187</b> |                        |              |               |        |            |
| LCS 400-54203/1-A               | Lab Control Spike      | T            | Solid         | 8015M  | 400-54203  |
| MB 400-54203/2-A                | Method Blank           | T            | Solid         | 8015M  | 400-54203  |
| 560-6100-1                      | Cell 1A (0-1)          | T            | Solid         | 8015M  | 400-54203  |
| 560-6100-2                      | Cell 1B (0-1)          | T            | Solid         | 8015M  | 400-54203  |
| 560-6100-2MS                    | Matrix Spike           | T            | Solid         | 8015M  | 400-54203  |
| 560-6100-2MSD                   | Matrix Spike Duplicate | T            | Solid         | 8015M  | 400-54203  |
| 560-6100-3                      | Cell 1C (0-1)          | T            | Solid         | 8015M  | 400-54203  |
| 560-6100-5                      | Cell 1B-01 (0-1)       | T            | Solid         | 8015M  | 400-54203  |
| <b>Analysis Batch:400-54188</b> |                        |              |               |        |            |
| LCS 400-54204/1-A               | Lab Control Spike      | T            | Solid         | 8015M  | 400-54204  |
| MB 400-54204/2-A                | Method Blank           | T            | Solid         | 8015M  | 400-54204  |
| 560-6100-4                      | Cell 2D (0-1)          | T            | Solid         | 8015M  | 400-54204  |
| <b>Prep Batch: 400-54203</b>    |                        |              |               |        |            |
| LCS 400-54203/1-A               | Lab Control Spike      | T            | Solid         | 5035   |            |
| MB 400-54203/2-A                | Method Blank           | T            | Solid         | 5035   |            |
| 560-6100-1                      | Cell 1A (0-1)          | T            | Solid         | 5035   |            |
| 560-6100-2                      | Cell 1B (0-1)          | T            | Solid         | 5035   |            |
| 560-6100-2MS                    | Matrix Spike           | T            | Solid         | 5035   |            |
| 560-6100-2MSD                   | Matrix Spike Duplicate | T            | Solid         | 5035   |            |
| 560-6100-3                      | Cell 1C (0-1)          | T            | Solid         | 5035   |            |
| 560-6100-5                      | Cell 1B-01 (0-1)       | T            | Solid         | 5035   |            |

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## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

### QC Association Summary

| Lab Sample ID                | Client Sample ID  | Report Basis | Client Matrix | Method | Prep Batch |
|------------------------------|-------------------|--------------|---------------|--------|------------|
| <b>GC VOA</b>                |                   |              |               |        |            |
| <b>Prep Batch: 400-54204</b> |                   |              |               |        |            |
| LCS 400-54204/1-A            | Lab Control Spike | T            | Solid         | 5035   |            |
| MB 400-54204/2-A             | Method Blank      | T            | Solid         | 5035   |            |
| 560-6100-4                   | Cell 2D (0-1)     | T            | Solid         | 5035   |            |

#### Report Basis

T = Total

### GC Semi VOA

|                                  |                        |   |       |       |           |
|----------------------------------|------------------------|---|-------|-------|-----------|
| <b>Prep Batch: 560-14558</b>     |                        |   |       |       |           |
| LCS 560-14558/2-A                | Lab Control Spike      | T | Solid | 3550B |           |
| MB 560-14558/1-A                 | Method Blank           | T | Solid | 3550B |           |
| 560-6100-1                       | Cell 1A (0-1)          | T | Solid | 3550B |           |
| 560-6100-2                       | Cell 1B (0-1)          | T | Solid | 3550B |           |
| 560-6100-3                       | Cell 1C (0-1)          | T | Solid | 3550B |           |
| 560-6100-3MS                     | Matrix Spike           | T | Solid | 3550B |           |
| 560-6100-3MSD                    | Matrix Spike Duplicate | T | Solid | 3550B |           |
| 560-6100-4                       | Cell 2D (0-1)          | T | Solid | 3550B |           |
| 560-6100-5                       | Cell 1B-01 (0-1)       | T | Solid | 3550B |           |
| <b>Analysis Batch: 560-15188</b> |                        |   |       |       |           |
| LCS 560-14558/2-A                | Lab Control Spike      | T | Solid | 8015B | 560-14558 |
| MB 560-14558/1-A                 | Method Blank           | T | Solid | 8015B | 560-14558 |
| 560-6100-1                       | Cell 1A (0-1)          | T | Solid | 8015B | 560-14558 |
| 560-6100-2                       | Cell 1B (0-1)          | T | Solid | 8015B | 560-14558 |
| 560-6100-3                       | Cell 1C (0-1)          | T | Solid | 8015B | 560-14558 |
| 560-6100-3MS                     | Matrix Spike           | T | Solid | 8015B | 560-14558 |
| 560-6100-3MSD                    | Matrix Spike Duplicate | T | Solid | 8015B | 560-14558 |
| 560-6100-4                       | Cell 2D (0-1)          | T | Solid | 8015B | 560-14558 |
| 560-6100-5                       | Cell 1B-01 (0-1)       | T | Solid | 8015B | 560-14558 |

#### Report Basis

T = Total

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## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID  | Report Basis | Client Matrix | Method   | Prep Batch |
|---------------------------------|-------------------|--------------|---------------|----------|------------|
| <b>General Chemistry</b>        |                   |              |               |          |            |
| <b>Prep Batch: 560-14587</b>    |                   |              |               |          |            |
| LCS 560-14587/2-A               | Lab Control Spike | S            | Solid         | DI Leach |            |
| MB 560-14587/1-A                | Method Blank      | S            | Solid         | DI Leach |            |
| 560-6100-1                      | Cell 1A (0-1)     | S            | Solid         | DI Leach |            |
| 560-6100-2                      | Cell 1B (0-1)     | S            | Solid         | DI Leach |            |
| 560-6100-3                      | Cell 1C (0-1)     | S            | Solid         | DI Leach |            |
| 560-6100-4                      | Cell 2D (0-1)     | S            | Solid         | DI Leach |            |
| 560-6100-5                      | Cell 1B-01 (0-1)  | S            | Solid         | DI Leach |            |
| <b>Analysis Batch:560-14589</b> |                   |              |               |          |            |
| LCS 560-14587/2-A               | Lab Control Spike | S            | Solid         | 9056     |            |
| MB 560-14587/1-A                | Method Blank      | S            | Solid         | 9056     |            |
| 560-6100-1                      | Cell 1A (0-1)     | S            | Solid         | 9056     |            |
| 560-6100-2                      | Cell 1B (0-1)     | S            | Solid         | 9056     |            |
| 560-6100-3                      | Cell 1C (0-1)     | S            | Solid         | 9056     |            |
| 560-6100-4                      | Cell 2D (0-1)     | S            | Solid         | 9056     |            |
| 560-6100-5                      | Cell 1B-01 (0-1)  | S            | Solid         | 9056     |            |

#### Report Basis

S = Soluble

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

### Method Blank - Batch: 400-54203

Method: 8015M  
Preparation: 5035

Lab Sample ID: MB 400-54203/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/23/2007 1046  
Date Prepared: 08/23/2007 0955

Analysis Batch: 400-54187  
Prep Batch: 400-54203  
Units: mg/Kg

Instrument ID: GC/PID/FID  
Lab File ID: R082303.D  
Initial Weight/Volume: 5.0 g  
Final Weight/Volume: 5.0 g  
Injection Volume:  
Column ID: PRIMARY

| Analyte                              | Result | Qual | MDL               | RL   |
|--------------------------------------|--------|------|-------------------|------|
| Gasoline Range Organics (GRO)-C6-C10 | 0.058  | J    | 0.033             | 0.10 |
| Surrogate                            | % Rec  |      | Acceptance Limits |      |
| a,a,a-Trifluorotoluene (fid)         | 102    |      | 60 - 134          |      |

### Lab Control Spike - Batch: 400-54203

Method: 8015M  
Preparation: 5035

Lab Sample ID: LCS 400-54203/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/23/2007 0955  
Date Prepared: 08/23/2007 0955

Analysis Batch: 400-54187  
Prep Batch: 400-54203  
Units: mg/Kg

Instrument ID: GC/PID/FID  
Lab File ID: R082302.D  
Initial Weight/Volume: 5.0 g  
Final Weight/Volume: 5.0 g  
Injection Volume:  
Column ID: PRIMARY

| Analyte                              | Spike Amount | Result | % Rec. | Limit             | Qual |
|--------------------------------------|--------------|--------|--------|-------------------|------|
| Gasoline Range Organics (GRO)-C6-C10 | 1.00         | 1.04   | 104    | 75 - 124          |      |
| Surrogate                            | % Rec        |        |        | Acceptance Limits |      |
| a,a,a-Trifluorotoluene (fid)         |              | 103    |        | 60 - 134          |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 400-54203**

**Method: 8015M  
Preparation: 5035**

MS Lab Sample ID: 560-6100-2  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/23/2007 1519  
Date Prepared: 08/23/2007 0955

Analysis Batch: 400-54187  
Prep Batch: 400-54203

Instrument ID: GC/PID/FID  
Lab File ID: R082311.D  
Initial Weight/Volume: 5.00 g  
Final Weight/Volume: 5.0 g  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-6100-2  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/23/2007 1546  
Date Prepared: 08/23/2007 0955

Analysis Batch: 400-54187  
Prep Batch: 400-54203

Instrument ID: GC/PID/FID  
Lab File ID: R082312.D  
Initial Weight/Volume: 5.01 g  
Final Weight/Volume: 5.0 g  
Injection Volume:  
Column ID: PRIMARY

| Analyte                              | % Rec. |     | Limit    | RPD | RPD Limit | MS Qual | MSD Qual |
|--------------------------------------|--------|-----|----------|-----|-----------|---------|----------|
|                                      | MS     | MSD |          |     |           |         |          |
| Gasoline Range Organics (GRO)-C6-C10 | 85     | 80  | 35 - 167 | 6   | 21        |         |          |

| Surrogate                    | MS % Rec | MSD % Rec | Acceptance Limits |
|------------------------------|----------|-----------|-------------------|
| a,a,a-Trifluorotoluene (fid) | 103      | 103       | 60 - 134          |

**Matrix Spike/  
Matrix Spike Duplicate Data Report - Batch: 400-54203**

**Method: 8015M  
Preparation: 5035**

MS Lab Sample ID: 560-6100-2  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/23/2007 1519  
Date Prepared: 08/23/2007 0955

Units: mg/Kg

MSD Lab Sample ID: 560-6100-2  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/23/2007 1546  
Date Prepared: 08/23/2007 0955

| Analyte                              | Sample Result/Qual |   | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|--------------------------------------|--------------------|---|-----------------|------------------|----------------|-----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 0.033              | U | 1.00            | 0.998            | 0.853          | 0.801           |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

### Method Blank - Batch: 400-54204

Lab Sample ID: MB 400-54204/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/24/2007 1030  
Date Prepared: 08/24/2007 0934

Analysis Batch: 400-54188  
Prep Batch: 400-54204  
Units: mg/Kg

### Method: 8015M Preparation: 5035

Instrument ID: GC/PID/FID  
Lab File ID: R082403.D  
Initial Weight/Volume: 5.0 g  
Final Weight/Volume: 5.0 g  
Injection Volume:  
Column ID: PRIMARY

| Analyte                              | Result | Qual | MDL   | RL   |
|--------------------------------------|--------|------|-------|------|
| Gasoline Range Organics (GRO)-C6-C10 | 0.050  | J    | 0.033 | 0.10 |

| Surrogate                    | % Rec | Acceptance Limits |
|------------------------------|-------|-------------------|
| a,a,a-Trifluorotoluene (fid) | 101   | 60 - 134          |

### Lab Control Spike - Batch: 400-54204

Lab Sample ID: LCS 400-54204/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/24/2007 0934  
Date Prepared: 08/24/2007 0934

Analysis Batch: 400-54188  
Prep Batch: 400-54204  
Units: mg/Kg

### Method: 8015M Preparation: 5035

Instrument ID: GC/PID/FID  
Lab File ID: R082402.D  
Initial Weight/Volume: 5.0 g  
Final Weight/Volume: 5.0 g  
Injection Volume:  
Column ID: PRIMARY

| Analyte                              | Spike Amount | Result | % Rec. | Limit    | Qual |
|--------------------------------------|--------------|--------|--------|----------|------|
| Gasoline Range Organics (GRO)-C6-C10 | 1.00         | 1.03   | 103    | 75 - 124 |      |

| Surrogate                    | % Rec | Acceptance Limits |
|------------------------------|-------|-------------------|
| a,a,a-Trifluorotoluene (fid) | 108   | 60 - 134          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

### Method Blank - Batch: 560-14430

Method: 8021B  
Preparation: 5030B

Lab Sample ID: MB 560-14430/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/22/2007 0904  
Date Prepared: 08/22/2007 0730

Analysis Batch: 560-14507  
Prep Batch: 560-14430  
Units: mg/Kg

Instrument ID: HP GC [Method 8021]  
Lab File ID: 08220703.D  
Initial Weight/Volume: 5.00 g  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte        | Result | Qual | MDL    | RL    |
|----------------|--------|------|--------|-------|
| Benzene        | 0.0049 | U    | 0.0049 | 0.050 |
| Toluene        | 0.0050 | U    | 0.0050 | 0.10  |
| Ethylbenzene   | 0.0048 | U    | 0.0048 | 0.050 |
| Xylenes, Total | 0.012  | U    | 0.012  | 0.30  |

| Surrogate                   | % Rec | Acceptance Limits |
|-----------------------------|-------|-------------------|
| 4-Bromofluorobenzene (Surr) | 89    | 47 - 120          |
| Trifluorotoluene (Surr)     | 110   | 35 - 132          |

### Lab Control Spike - Batch: 560-14430

Method: 8021B  
Preparation: 5030B

Lab Sample ID: LCS 560-14430/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/22/2007 0837  
Date Prepared: 08/22/2007 0730

Analysis Batch: 560-14507  
Prep Batch: 560-14430  
Units: mg/Kg

Instrument ID: HP GC [Method 8021]  
Lab File ID: 08220702.D  
Initial Weight/Volume: 5.00 g  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte        | Spike Amount | Result | % Rec. | Limit    | Qual |
|----------------|--------------|--------|--------|----------|------|
| Benzene        | 1.00         | 0.958  | 96     | 54 - 141 |      |
| Toluene        | 1.00         | 0.964  | 96     | 74 - 131 |      |
| Ethylbenzene   | 1.00         | 0.984  | 98     | 75 - 132 |      |
| Xylenes, Total | 2.00         | 2.08   | 104    | 79 - 145 |      |

| Surrogate                   | % Rec | Acceptance Limits |
|-----------------------------|-------|-------------------|
| 4-Bromofluorobenzene (Surr) | 91    | 47 - 120          |
| Trifluorotoluene (Surr)     | 115   | 35 - 132          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-14430

Method: 8021B  
Preparation: 5030B

MS Lab Sample ID: 560-6100-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/22/2007 1216  
Date Prepared: 08/22/2007 0730

Analysis Batch: 560-14507  
Prep Batch: 560-14430

Instrument ID: HP GC [Method 8021]  
Lab File ID: 08220710.D  
Initial Weight/Volume: 5.74 g  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-6100-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/22/2007 1243  
Date Prepared: 08/22/2007 0730

Analysis Batch: 560-14507  
Prep Batch: 560-14430

Instrument ID: HP GC [Method 8021]  
Lab File ID: 08220711.D  
Initial Weight/Volume: 5.73 g  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte        | % Rec. |     | Limit    | RPD | RPD Limit | MS Qual | MSD Qual |
|----------------|--------|-----|----------|-----|-----------|---------|----------|
|                | MS     | MSD |          |     |           |         |          |
| Benzene        | 99     | 101 | 40 - 136 | 2   | 20        |         |          |
| Toluene        | 92     | 115 | 59 - 126 | 8   | 20        |         |          |
| Ethylbenzene   | 110    | 136 | 62 - 124 | 6   | 20        |         | F        |
| Xylenes, Total | 157    | 179 | 66 - 128 | 4   | 20        | F       | F        |

| Surrogate                   | MS % Rec |   | MSD % Rec |   | Acceptance Limits |  |
|-----------------------------|----------|---|-----------|---|-------------------|--|
| 4-Bromofluorobenzene (Surr) | 102      |   | 101       |   | 47 - 120          |  |
| Trifluorotoluene (Surr)     | 180      | X | 177       | X | 35 - 132          |  |

### Matrix Spike/ Matrix Spike Duplicate Data Report - Batch: 560-14430

Method: 8021B  
Preparation: 5030B

MS Lab Sample ID: 560-6100-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/22/2007 1216  
Date Prepared: 08/22/2007 0730

Units: mg/Kg

MSD Lab Sample ID: 560-6100-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/22/2007 1243  
Date Prepared: 08/22/2007 0730

| Analyte        | Sample Result/Qual |   | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|----------------|--------------------|---|-----------------|------------------|----------------|-----------------|
| Benzene        | 0.0043             | U | 0.871           | 0.873            | 0.861          | 0.879           |
| Toluene        | 1.7                |   | 0.871           | 0.873            | 2.50           | 2.69            |
| Ethylbenzene   | 2.6                |   | 0.871           | 0.873            | 3.55           | 3.78 F          |
| Xylenes, Total | 6.4                |   | 1.74            | 1.75             | 9.17 F         | 9.57 F          |

Calculations are performed before rounding to avoid round-off errors in calculated results.



## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

### Method Blank - Batch: 560-14443

Method: 8021B  
Preparation: 5030B

Lab Sample ID: MB 560-14443/2  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/21/2007 1025  
Date Prepared: 08/21/2007 1025

Analysis Batch: 560-14443  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: HP GC [Method 8021]  
Lab File ID: 08210704.D  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte        | Result | Qual | MDL    | ML     |
|----------------|--------|------|--------|--------|
| Benzene        | 0.0019 | U    | 0.0019 | 0.0050 |
| Toluene        | 0.0021 | U    | 0.0021 | 0.0050 |
| Ethylbenzene   | 0.0022 | U    | 0.0022 | 0.0050 |
| Xylenes, Total | 0.0067 | U    | 0.0067 | 0.015  |

| Surrogate                   | % Rec | Acceptance Limits |
|-----------------------------|-------|-------------------|
| 4-Bromofluorobenzene (Surr) | 99    | 51 - 127          |
| Trifluorotoluene (Surr)     | 94    | 50 - 129          |

### Lab Control Spike - Batch: 560-14443

Method: 8021B  
Preparation: 5030B

Lab Sample ID: LCS 560-14443/1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/21/2007 0957  
Date Prepared: 08/21/2007 0957

Analysis Batch: 560-14443  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: HP GC [Method 8021]  
Lab File ID: 08210703.D  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte        | Spike Amount | Result | % Rec. | Limit    | Qual |
|----------------|--------------|--------|--------|----------|------|
| Benzene        | 0.0200       | 0.0188 | 94     | 76 - 128 |      |
| Toluene        | 0.0200       | 0.0189 | 94     | 71 - 124 |      |
| Ethylbenzene   | 0.0200       | 0.0189 | 95     | 73 - 122 |      |
| Xylenes, Total | 0.0400       | 0.0395 | 99     | 73 - 133 |      |

| Surrogate                   | % Rec | Acceptance Limits |
|-----------------------------|-------|-------------------|
| 4-Bromofluorobenzene (Surr) | 100   | 51 - 127          |
| Trifluorotoluene (Surr)     | 92    | 50 - 129          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

### Method Blank - Batch: 560-14558

Method: 8015B  
Preparation: 3550B

Lab Sample ID: MB 560-14558/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 09/13/2007 2018  
Date Prepared: 08/24/2007 1200

Analysis Batch: 560-15188  
Prep Batch: 560-14558  
Units: mg/Kg

Instrument ID: Agilent GC [Method  
Lab File ID: 09130726.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                         | Result | Qual | MDL | RL |
|---------------------------------|--------|------|-----|----|
| Diesel Range Organics [C10-C28] | 4.2    | U    | 4.2 | 50 |

| Surrogate   | % Rec | Acceptance Limits |
|-------------|-------|-------------------|
| o-Terphenyl | 80    | 29 - 140          |

### Lab Control Spike - Batch: 560-14558

Method: 8015B  
Preparation: 3550B

Lab Sample ID: LCS 560-14558/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 09/13/2007 2059  
Date Prepared: 08/24/2007 1200

Analysis Batch: 560-15188  
Prep Batch: 560-14558  
Units: mg/Kg

Instrument ID: Agilent GC [Method  
Lab File ID: 09130728.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                         | Spike Amount | Result | % Rec. | Limit    | Qual |
|---------------------------------|--------------|--------|--------|----------|------|
| Diesel Range Organics [C10-C28] | 167          | 178    | 107    | 38 - 131 |      |

| Surrogate   | % Rec | Acceptance Limits |
|-------------|-------|-------------------|
| o-Terphenyl | 91    | 29 - 140          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-14558

Method: 8015B  
Preparation: 3550B

MS Lab Sample ID: 560-6100-3  
Client Matrix: Solid  
Dilution: 10  
Date Analyzed: 09/13/2007 2334  
Date Prepared: 08/24/2007 1200

Analysis Batch: 560-15188  
Prep Batch: 560-14558

Instrument ID: Agilent GC [Method  
Lab File ID: 09130736.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-6100-3  
Client Matrix: Solid  
Dilution: 10  
Date Analyzed: 09/14/2007 0014  
Date Prepared: 08/24/2007 1200

Analysis Batch: 560-15188  
Prep Batch: 560-14558

Instrument ID: Agilent GC [Method  
Lab File ID: 09130738.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                         | % Rec. |     | Limit    | RPD  | RPD Limit | MS Qual | MSD Qual |
|---------------------------------|--------|-----|----------|------|-----------|---------|----------|
|                                 | MS     | MSD |          |      |           |         |          |
| Diesel Range Organics [C10-C28] | 1950   | 238 | 38 - 131 | 79.9 | 30.0      | 4       | 4        |

| Surrogate   | MS % Rec |   | MSD % Rec |   | Acceptance Limits |  |
|-------------|----------|---|-----------|---|-------------------|--|
| o-Terphenyl | 449      | X | 219       | X | 29 - 140          |  |

### Matrix Spike/ Matrix Spike Duplicate Data Report - Batch: 560-14558

Method: 8015B  
Preparation: 3550B

MS Lab Sample ID: 560-6100-3  
Client Matrix: Solid  
Dilution: 10  
Date Analyzed: 09/13/2007 2334  
Date Prepared: 08/24/2007 1200

Units: mg/Kg

MSD Lab Sample ID: 560-6100-3  
Client Matrix: Solid  
Dilution: 10  
Date Analyzed: 09/14/2007 0014  
Date Prepared: 08/24/2007 1200

| Analyte                         | Sample Result/Qual | MS Spike Amount | MSD Spike Amount | MS Result/Qual | MSD Result/Qual |
|---------------------------------|--------------------|-----------------|------------------|----------------|-----------------|
| Diesel Range Organics [C10-C28] | 1700               | 167             | 167              | 4990 4         | 2140 4          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

### Method Blank - Batch: 560-14589

**Method: 9056**  
**Preparation: N/A**

Lab Sample ID: MB 560-14587/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/21/2007 1436  
Date Prepared: N/A  
Date Leached: 08/21/2007 0800

Analysis Batch: 560-14589  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

| Analyte    | Result | Qual | MDL  | RL   |
|------------|--------|------|------|------|
| Chloride-S | 0.44   |      | 0.14 | 0.50 |

### Lab Control Spike - Batch: 560-14589

**Method: 9056**  
**Preparation: N/A**

Lab Sample ID: LCS 560-14587/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 08/21/2007 1436  
Date Prepared: N/A  
Date Leached: 08/21/2007 0800

Analysis Batch: 560-14589  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

| Analyte    | Spike Amount | Result | % Rec. | Limit    | Qual |
|------------|--------------|--------|--------|----------|------|
| Chloride-S | 10.0         | 9.19   | 92     | 70 - 130 |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

### Laboratory Chronicle

Lab ID: 560-6100-1

Client ID: Cell 1A (0-1)

Sample Date/Time: 08/16/2007 11:30 Received Date/Time: 08/17/2007 10:13

| Method  | Bottle ID         | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|---------|-------------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:5035  | 560-6100-A-1-E    |     | 400-54187      | 400-54203  | 08/23/2007 12:38         | 1   | TAL PEN | GK      |
| A:8015M | 560-6100-A-1-E    |     | 400-54187      | 400-54203  | 08/23/2007 12:38         | 1   | TAL PEN | GK      |
| P:5030B | 560-6100-A-1-A    |     | 560-14507      | 560-14430  | 08/22/2007 09:32         | 1   | TAL CC  | RJG     |
| A:8021B | 560-6100-A-1-A    |     | 560-14507      | 560-14430  | 08/22/2007 09:32         | 1   | TAL CC  | RJG     |
| P:3550B | 560-6100-A-1-D    |     | 560-15188      | 560-14558  | 09/13/2007 21:37         | 10  | TAL CC  | IMC     |
| A:8015B | 560-6100-A-1-D    |     | 560-15188      | 560-14558  | 09/13/2007 21:37         | 10  | TAL CC  | IMC     |
| A:9056  | 560-6100-A-1-F +S |     | 560-14589      |            | 08/21/2007 14:36         | 1   | TAL CC  | TLA     |

Lab ID: 560-6100-1 MS

Client ID: Cell 1A (0-1)

Sample Date/Time: 08/16/2007 11:30 Received Date/Time: 08/17/2007 10:13

| Method  | Bottle ID         | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|---------|-------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:5030B | 560-6100-A-1-B MS |     | 560-14507      | 560-14430  | 08/22/2007 12:16         | 1   | TAL CC | RJG     |
| A:8021B | 560-6100-A-1-B MS |     | 560-14507      | 560-14430  | 08/22/2007 12:16         | 1   | TAL CC | RJG     |

Lab ID: 560-6100-1 MSD

Client ID: Cell 1A (0-1)

Sample Date/Time: 08/16/2007 11:30 Received Date/Time: 08/17/2007 10:13

| Method  | Bottle ID          | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|---------|--------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:5030B | 560-6100-A-1-C MSD |     | 560-14507      | 560-14430  | 08/22/2007 12:43         | 1   | TAL CC | RJG     |
| A:8021B | 560-6100-A-1-C MSD |     | 560-14507      | 560-14430  | 08/22/2007 12:43         | 1   | TAL CC | RJG     |

Lab ID: 560-6100-2

Client ID: Cell 1B (0-1)

Sample Date/Time: 08/16/2007 12:00 Received Date/Time: 08/17/2007 10:13

| Method  | Bottle ID         | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|---------|-------------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:5035  | 560-6100-A-2-B    |     | 400-54187      | 400-54203  | 08/23/2007 13:30         | 1   | TAL PEN | GK      |
| A:8015M | 560-6100-A-2-B    |     | 400-54187      | 400-54203  | 08/23/2007 13:30         | 1   | TAL PEN | GK      |
| P:5030B | 560-6100-A-2      |     | 560-14443      |            | 08/21/2007 11:21         | 1   | TAL CC  | RJG     |
| A:8021B | 560-6100-A-2      |     | 560-14443      |            | 08/21/2007 11:21         | 1   | TAL CC  | RJG     |
| P:3550B | 560-6100-A-2-A    |     | 560-15188      | 560-14558  | 09/13/2007 22:17         | 1   | TAL CC  | IMC     |
| A:8015B | 560-6100-A-2-A    |     | 560-15188      | 560-14558  | 09/13/2007 22:17         | 1   | TAL CC  | IMC     |
| A:9056  | 560-6100-A-2-E +S |     | 560-14589      |            | 08/21/2007 14:36         | 10  | TAL CC  | TLA     |

Lab ID: 560-6100-2 MS

Client ID: Cell 1B (0-1)

Sample Date/Time: 08/16/2007 12:00 Received Date/Time: 08/17/2007 10:13

| Method  | Bottle ID         | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|---------|-------------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:5035  | 560-6100-A-2-C MS |     | 400-54187      | 400-54203  | 08/23/2007 15:19         | 1   | TAL PEN | GK      |
| A:8015M | 560-6100-A-2-C MS |     | 400-54187      | 400-54203  | 08/23/2007 15:19         | 1   | TAL PEN | GK      |

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A = Analytical Method

P = Prep Method

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

### Laboratory Chronicle

Lab ID: 560-6100-2 MSD

Client ID: Cell 1B (0-1)

Sample Date/Time: 08/16/2007 12:00 Received Date/Time: 08/17/2007 10:13

| Method  | Bottle ID          | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|---------|--------------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:5035  | 560-6100-A-2-D MSD |     | 400-54187      | 400-54203  | 08/23/2007 15:46         | 1   | TAL PEN | GK      |
| A:8015M | 560-6100-A-2-D MSD |     | 400-54187      | 400-54203  | 08/23/2007 15:46         | 1   | TAL PEN | GK      |

Lab ID: 560-6100-3

Client ID: Cell 1C (0-1)

Sample Date/Time: 08/16/2007 11:45 Received Date/Time: 08/17/2007 10:13

| Method  | Bottle ID         | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|---------|-------------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:5035  | 560-6100-A-3-D    |     | 400-54187      | 400-54203  | 08/23/2007 13:57         | 1   | TAL PEN | GK      |
| A:8015M | 560-6100-A-3-D    |     | 400-54187      | 400-54203  | 08/23/2007 13:57         | 1   | TAL PEN | GK      |
| P:5030B | 560-6100-A-3      |     | 560-14443      |            | 08/21/2007 11:49         | 1   | TAL CC  | RJG     |
| A:8021B | 560-6100-A-3      |     | 560-14443      |            | 08/21/2007 11:49         | 1   | TAL CC  | RJG     |
| P:3550B | 560-6100-A-3-A    |     | 560-15188      | 560-14558  | 09/13/2007 22:56         | 10  | TAL CC  | IMC     |
| A:8015B | 560-6100-A-3-A    |     | 560-15188      | 560-14558  | 09/13/2007 22:56         | 10  | TAL CC  | IMC     |
| A:9056  | 560-6100-A-3-E +S |     | 560-14589      |            | 08/21/2007 14:36         | 1   | TAL CC  | TLA     |

Lab ID: 560-6100-3 MS

Client ID: Cell 1C (0-1)

Sample Date/Time: 08/16/2007 11:45 Received Date/Time: 08/17/2007 10:13

| Method  | Bottle ID         | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|---------|-------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3550B | 560-6100-A-3-B MS |     | 560-15188      | 560-14558  | 09/13/2007 23:34         | 10  | TAL CC | IMC     |
| A:8015B | 560-6100-A-3-B MS |     | 560-15188      | 560-14558  | 09/13/2007 23:34         | 10  | TAL CC | IMC     |

Lab ID: 560-6100-3 MSD

Client ID: Cell 1C (0-1)

Sample Date/Time: 08/16/2007 11:45 Received Date/Time: 08/17/2007 10:13

| Method  | Bottle ID          | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab    | Analyst |
|---------|--------------------|-----|----------------|------------|--------------------------|-----|--------|---------|
| P:3550B | 560-6100-A-3-C MSD |     | 560-15188      | 560-14558  | 09/14/2007 00:14         | 10  | TAL CC | IMC     |
| A:8015B | 560-6100-A-3-C MSD |     | 560-15188      | 560-14558  | 09/14/2007 00:14         | 10  | TAL CC | IMC     |

Lab ID: 560-6100-4

Client ID: Cell 2D (0-1)

Sample Date/Time: 08/16/2007 12:45 Received Date/Time: 08/17/2007 10:13

| Method  | Bottle ID         | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|---------|-------------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:5035  | 560-6100-A-4-B    |     | 400-54188      | 400-54204  | 08/24/2007 13:42         | 1   | TAL PEN | GK      |
| A:8015M | 560-6100-A-4-B    |     | 400-54188      | 400-54204  | 08/24/2007 13:42         | 1   | TAL PEN | GK      |
| P:5030B | 560-6100-A-4      |     | 560-14443      |            | 08/21/2007 12:17         | 1   | TAL CC  | RJG     |
| A:8021B | 560-6100-A-4      |     | 560-14443      |            | 08/21/2007 12:17         | 1   | TAL CC  | RJG     |
| P:3550B | 560-6100-A-4-A    |     | 560-15188      | 560-14558  | 09/14/2007 00:54         | 10  | TAL CC  | IMC     |
| A:8015B | 560-6100-A-4-A    |     | 560-15188      | 560-14558  | 09/14/2007 00:54         | 10  | TAL CC  | IMC     |
| A:9056  | 560-6100-A-4-C +S |     | 560-14589      |            | 08/21/2007 14:36         | 1   | TAL CC  | TLA     |

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

### Laboratory Chronicle

Lab ID: 560-6100-5

Client ID: Cell 1B-01 (0-1)

Sample Date/Time: 08/16/2007 12:30 Received Date/Time: 08/17/2007 10:13

| Method  | Bottle ID         | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|---------|-------------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:5035  | 560-6100-A-5-B    |     | 400-54187      | 400-54203  | 08/23/2007 14:51         | 1   | TAL PEN | GK      |
| A:8015M | 560-6100-A-5-B    |     | 400-54187      | 400-54203  | 08/23/2007 14:51         | 1   | TAL PEN | GK      |
| P:5030B | 560-6100-A-5      |     | 560-14443      |            | 08/21/2007 12:45         | 1   | TAL CC  | RJG     |
| A:8021B | 560-6100-A-5      |     | 560-14443      |            | 08/21/2007 12:45         | 1   | TAL CC  | RJG     |
| P:3550B | 560-6100-A-5-A    |     | 560-15188      | 560-14558  | 09/14/2007 01:35         | 1   | TAL CC  | IMC     |
| A:8015B | 560-6100-A-5-A    |     | 560-15188      | 560-14558  | 09/14/2007 01:35         | 1   | TAL CC  | IMC     |
| A:9056  | 560-6100-A-5-C +S |     | 560-14589      |            | 08/21/2007 14:36         | 1   | TAL CC  | TLA     |

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

| Method  | Bottle ID        | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|---------|------------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:5035  | MB 400-54203/2-A |     | 400-54187      | 400-54203  | 08/23/2007 10:46         | 1   | TAL PEN | GK      |
| A:8015M | MB 400-54203/2-A |     | 400-54187      | 400-54203  | 08/23/2007 10:46         | 1   | TAL PEN | GK      |
| P:5035  | MB 400-54204/2-A |     | 400-54188      | 400-54204  | 08/24/2007 10:30         | 1   | TAL PEN | GK      |
| A:8015M | MB 400-54204/2-A |     | 400-54188      | 400-54204  | 08/24/2007 10:30         | 1   | TAL PEN | GK      |
| P:5030B | MB 560-14443/2   |     | 560-14443      |            | 08/21/2007 10:25         | 1   | TAL CC  | RJG     |
| A:8021B | MB 560-14443/2   |     | 560-14443      |            | 08/21/2007 10:25         | 1   | TAL CC  | RJG     |
| P:5030B | MB 560-14430/2-A |     | 560-14507      | 560-14430  | 08/22/2007 09:04         | 1   | TAL CC  | RJG     |
| A:8021B | MB 560-14430/2-A |     | 560-14507      | 560-14430  | 08/22/2007 09:04         | 1   | TAL CC  | RJG     |
| P:3550B | MB 560-14558/1-A |     | 560-15188      | 560-14558  | 09/13/2007 20:18         | 1   | TAL CC  | IMC     |
| A:8015B | MB 560-14558/1-A |     | 560-15188      | 560-14558  | 09/13/2007 20:18         | 1   | TAL CC  | IMC     |
| A:9056  | MB 560-14587/1-A |     | 560-14589      |            | 08/21/2007 14:36         | 1   | TAL CC  | TLA     |

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

### Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

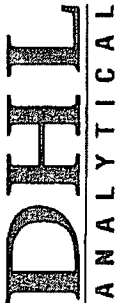
| Method  | Bottle ID         | Run | Analysis<br>Batch | Prep Batch | Date Prepared /<br>Analyzed | Dil | Lab     | Analyst |
|---------|-------------------|-----|-------------------|------------|-----------------------------|-----|---------|---------|
| P:5035  | LCS 400-54203/1-A |     | 400-54187         | 400-54203  | 08/23/2007 09:55            | 1   | TAL PEN | GK      |
| A:8015M | LCS 400-54203/1-A |     | 400-54187         | 400-54203  | 08/23/2007 09:55            | 1   | TAL PEN | GK      |
| P:5035  | LCS 400-54204/1-A |     | 400-54188         | 400-54204  | 08/24/2007 09:34            | 1   | TAL PEN | GK      |
| A:8015M | LCS 400-54204/1-A |     | 400-54188         | 400-54204  | 08/24/2007 09:34            | 1   | TAL PEN | GK      |
| P:5030B | LCS 560-14443/1   |     | 560-14443         |            | 08/21/2007 09:57            | 1   | TAL CC  | RJG     |
| A:8021B | LCS 560-14443/1   |     | 560-14443         |            | 08/21/2007 09:57            | 1   | TAL CC  | RJG     |
| P:5030B | LCS 560-14430/1-A |     | 560-14507         | 560-14430  | 08/22/2007 08:37            | 1   | TAL CC  | RJG     |
| A:8021B | LCS 560-14430/1-A |     | 560-14507         | 560-14430  | 08/22/2007 08:37            | 1   | TAL CC  | RJG     |
| P:3550B | LCS 560-14558/2-A |     | 560-15188         | 560-14558  | 09/13/2007 20:59            | 1   | TAL CC  | IMC     |
| A:8015B | LCS 560-14558/2-A |     | 560-15188         | 560-14558  | 09/13/2007 20:59            | 1   | TAL CC  | IMC     |
| A:9056  | LCS 560-14587/2-A |     | 560-14589         |            | 08/21/2007 14:36            | 1   | TAL CC  | TLA     |

#### Lab References:

TAL CC = TestAmerica Corpus Christi

TAL PEN = TestAmerica Pensacola





**2300 Double Creek Drive • Round Rock, TX 78664**  
**Phone (512) 388-8222 • FAX (512) 388-8229**

Nº 29382

# CHAIN-OF-CUSTODY

| CLIENT: <u>LARSON &amp; Associates</u><br>ADDRESS: <u>Middland TX</u><br>PHONE: <u>(409) 687-0901</u> FAX<br>DATA REPORTED TO: <u>Michelle Green</u><br>ADDITIONAL REPORT COPIES TO: _____ |                            |                                  |                | DATE: <u>8/16/07</u> PAGE <u>1</u> OF <u>1</u><br>PO #: _____<br>DHL WORK ORDER #: _____<br>PROJECT LOCATION OR NAME: <u>TABGA LANDFARM</u><br>CLIENT PROJECT #: <u>6-0108</u> COLLECTOR: <u>SW</u> |              |                                             |                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------|-----------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Field Sample I.D.                                                                                                                                                                          | S=SOIL<br>W=WATER<br>A=AIR | P=PAINT<br>SL=SLUDGE<br>OT=OTHER | Container Type | # of Containers                                                                                                                                                                                     | PRESERVATION |                                             |                                         |     | ANALYSES                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                            |                            |                                  |                |                                                                                                                                                                                                     | HCl          | HNO <sub>3</sub>                            | H <sub>2</sub> SO <sub>4</sub> □ NaOH □ | ICE |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                            |                            |                                  |                |                                                                                                                                                                                                     | UNPRESERVED  |                                             |                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DHL Lab #                                                                                                                                                                                  | Date                       | Time                             | Matrix         |                                                                                                                                                                                                     |              |                                             |                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cell 1A(0-1)                                                                                                                                                                               | 8/16                       | 1130                             | S              | 2                                                                                                                                                                                                   | X            | X                                           | X                                       | X   | BTEX MBEC<br>TPH 418.1 □ TPH 1005 □ TPH 1006 □<br>DIESEL MOD 8015X<br>VOC 8280 □<br>SVOC 8270 □ PAH 8270 □ PAH 8270 □ HOLDPAH □<br>TOTAL METALS (PCPB) TCAP VOC □<br>TCAP METALS (PCPB) TCAP HERBICIDES □<br>TCAP PEST □<br>TCAP PCBs □<br>8082 PESTIDES □<br>8081 PESTIDES □<br>LEAD - TOTAL □ D.W. 200.8 □ TCAP □<br>PH-C TSS □ FLASHPOINT □<br>EXPLOSIVES □ PECHLOPORATE □<br>CHLORIDE ANIONS □ ALKALINITY □ |
| Cell 1B(0-1)                                                                                                                                                                               | 8/16                       | 1200                             | S              | 1                                                                                                                                                                                                   | X            | X                                           | X                                       | X   |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cell 1C(0-1)                                                                                                                                                                               | 8/16                       | 1145                             | S              | 1                                                                                                                                                                                                   | X            | X                                           | X                                       | X   |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cell 2D(0-1)                                                                                                                                                                               | 8/16                       | 1245                             | S              | 1                                                                                                                                                                                                   | X            | X                                           | X                                       | X   |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cell 1B-DI(0-1)                                                                                                                                                                            | 8/16                       | 1230                             | S              | 1                                                                                                                                                                                                   | X            | X                                           | X                                       | X   |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>TOTAL</b>                                                                                                                                                                               |                            |                                  |                |                                                                                                                                                                                                     |              |                                             |                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| RELINQUISHED BY: (Signature) <u>[Signature]</u>                                                                                                                                            |                            |                                  |                | DATE/TIME <u>8/16/07 1700</u>                                                                                                                                                                       |              | RECEIVED BY: (Signature) <u>[Signature]</u> |                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| RELINQUISHED BY: (Signature) <u>[Signature]</u>                                                                                                                                            |                            |                                  |                | DATE/TIME <u>08/10/10 13</u>                                                                                                                                                                        |              | RECEIVED BY: (Signature) <u>[Signature]</u> |                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| RELINQUISHED BY: (Signature) <u>[Signature]</u>                                                                                                                                            |                            |                                  |                | DATE/TIME _____                                                                                                                                                                                     |              | RECEIVED BY: (Signature) _____              |                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                 |

|                                                                                                                                                                                                                                          |  |                                                                                               |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|--|
| LABORATORY USE ONLY:<br>RECEIVING TEMP: <u>0.0°C</u> THERM #: <u>1R1</u><br>CUSTODY SEALS - BROKEN CONTACT □ NOT USED<br>CARRIER BILL # <u>23472185</u><br><input type="checkbox"/> APC DELIVERY <input type="checkbox"/> HAND DELIVERED |  | TURN AROUND TIME<br>RUSH □ CALL FIRST<br>1 DAY □ CALL FIRST<br>2 DAY □<br>NORMAL X<br>OTHER □ |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|--|

Call to Confirm With Michelle - Thanks SW

## LOGIN SAMPLE RECEIPT CHECK LIST

Client: Larson & Associates, Inc.

Job Number: 560-6100-1

Login Number: 6100

| Question                                                                         | T/F/NA | Comment    |
|----------------------------------------------------------------------------------|--------|------------|
| Radioactivity either was not measured or, if measured, is at or below background | NA     |            |
| The cooler's custody seal, if present, is intact.                                | True   |            |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |            |
| Samples were received on ice.                                                    | True   |            |
| Cooler Temperature is acceptable.                                                | True   | NOT FROZEN |
| Cooler Temperature is recorded.                                                  | True   | 0C IR 1    |
| COC is present.                                                                  | True   |            |
| COC is filled out in ink and legible.                                            | True   |            |
| COC is filled out with all pertinent information.                                | True   |            |
| There are no discrepancies between the sample IDs on the containers and the COC. | True   |            |
| Samples are received within Holding Time.                                        | True   |            |
| Sample containers have legible labels.                                           | True   |            |
| Containers are not broken or leaking.                                            | True   |            |
| Sample collection date/times are provided.                                       | True   |            |
| Appropriate sample containers are used.                                          | True   |            |
| Sample bottles are completely filled.                                            | True   |            |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |            |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.     | NA     |            |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True   |            |
| Multiphasic samples are not present.                                             | True   |            |
| Samples do not require splitting or compositing.                                 | True   |            |

## ANALYTICAL REPORT

Job Number: 560-6943-1

Job Description: Targa Landfarm

For:

Larson & Associates, Inc.

507 N Marienfeld

Suite 202

Midland, TX 79701

Attention: Ms. Michelle Green



---

Julie Darrow

Project Manager I

[julier.darrow@testamericainc.com](mailto:julier.darrow@testamericainc.com)

10/22/2007

The test results entered in this report meet all NELAC requirements for accredited parameters. Any exceptions to NELAC requirements are noted in the report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Corpus Christi Certifications and Approvals: NELAC TX T104704210-06-TX, NELAC KS E-10362, Oklahoma 9968, USDA Soil Permit S-42935 Revised.

**TestAmerica Laboratories, Inc.**

TestAmerica Corpus Christi 1733 N. Padre Island Drive, Corpus Christi, TX 78408

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**Job Narrative**  
**560-J6943-1**

**Aromatic Volatile Organic (BTEX) Analysis**

Sample 560-6943-1 was analyzed for aromatic volatile organics (BTEX) using EPA 8021B in batch 560-16201. The percent recovery results for the matrix spike and matrix spike duplicate associated with this batch and sample 1 were below the acceptance criteria for various analytes. Additionally, the RPDs for the spiked pairs were outside the acceptance criteria for some or all analytes. The method blank and LCS were within acceptable limits and the data are therefore reported. Furthermore, the percent recovery results for the surrogates associated with sample 1 MS were slightly below the acceptance criteria for 4-bromofluorobenzene and trifluorotoluene. Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. All surrogates were within acceptable limits for the method blank, LCS, sample 1 and 1 MSD. The data are therefore reported.

**Diesel Range Organic (DRO) Analysis**

Samples 560-6943-3 and 5 were analyzed for diesel range organics (DRO) using EPA Method 8015B in batch 560-16549. The percent recovery results for the surrogates associated with samples 3 and 5 were above the acceptance criteria for o-terphenyl. The method blank and LCS were within acceptable limits and the out of control data is due to matrix interference and sample dilution. The data are therefore reported.

No other analytical or quality issues were noted.

## EXECUTIVE SUMMARY - Detections

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

| Lab Sample ID<br>Analyte             | Client Sample ID        | Result / Qualifier |     | Reporting<br>Limit | Units | Method |
|--------------------------------------|-------------------------|--------------------|-----|--------------------|-------|--------|
| <b>560-6943-1</b>                    | <b>CELL 1A (0-1)</b>    |                    |     |                    |       |        |
| Gasoline Range Organics (GRO)-C6-C10 |                         | 0.054              | J B | 0.088              | mg/Kg | 8015M  |
| Diesel Range Organics [C10-C28]      |                         | 1100               |     | 500                | mg/Kg | 8015B  |
| <i>Soluble</i>                       |                         |                    |     |                    |       |        |
| Chloride-S                           |                         | 18                 |     | 5.0                | mg/Kg | 300.0  |
| <b>560-6943-2</b>                    | <b>CELL 1B (0-1)</b>    |                    |     |                    |       |        |
| Diesel Range Organics [C10-C28]      |                         | 110                |     | 50                 | mg/Kg | 8015B  |
| <i>Soluble</i>                       |                         |                    |     |                    |       |        |
| Chloride-S                           |                         | 230                |     | 9.8                | mg/Kg | 300.0  |
| <b>560-6943-3</b>                    | <b>CELL 1C (0-1)</b>    |                    |     |                    |       |        |
| Diesel Range Organics [C10-C28]      |                         | 4400               | J   | 5000               | mg/Kg | 8015B  |
| <i>Soluble</i>                       |                         |                    |     |                    |       |        |
| Chloride-S                           |                         | 450                |     | 9.9                | mg/Kg | 300.0  |
| <b>560-6943-4</b>                    | <b>CELL 1B-01 (0-1)</b> |                    |     |                    |       |        |
| Diesel Range Organics [C10-C28]      |                         | 9.7                | J   | 50                 | mg/Kg | 8015B  |
| <i>Soluble</i>                       |                         |                    |     |                    |       |        |
| Chloride-S                           |                         | 140                |     | 4.9                | mg/Kg | 300.0  |
| <b>560-6943-5</b>                    | <b>CELL 2D (0-1)</b>    |                    |     |                    |       |        |
| Gasoline Range Organics (GRO)-C6-C10 |                         | 0.90               | B   | 0.092              | mg/Kg | 8015M  |
| Diesel Range Organics [C10-C28]      |                         | 8400               |     | 5000               | mg/Kg | 8015B  |
| <i>Soluble</i>                       |                         |                    |     |                    |       |        |
| Chloride-S                           |                         | 280                |     | 9.8                | mg/Kg | 300.0  |

## METHOD SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

| Description                                                            | Lab Location | Method      | Preparation Method |
|------------------------------------------------------------------------|--------------|-------------|--------------------|
| <b>Matrix Solid</b>                                                    |              |             |                    |
| GRO by 8015M                                                           | TAL PEN      | SW846 8015M |                    |
| Closed System Purge & Trap/Field Preservation                          | TAL PEN      |             | SW846 5035         |
| Aromatic and Halogenated VOCs by Gas Chromatography using PID or ELCD  | TAL CC       | SW846 8021B |                    |
| Purge and Trap for Solids                                              | TAL CC       |             | SW846 5030B        |
| Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics) | TAL CC       | SW846 8015B |                    |
| Ultrasonic Extraction                                                  | TAL CC       |             | SW846 3550B        |
| Anions by Ion Chromatography                                           | TAL CC       | MCAWW 300.0 |                    |
| Deionized Water Leaching Procedure (Routine)                           | TAL CC       |             | ASTM DI Leach      |

### Lab References:

TAL CC = TestAmerica Corpus Christi

TAL PEN = TestAmerica Pensacola

### Method References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## METHOD / ANALYST SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

| <b>Method</b> | <b>Analyst</b>    | <b>Analyst ID</b> |
|---------------|-------------------|-------------------|
| SW846 8015M   | Khramova, Galina  | GK                |
| SW846 8021B   | Gonzales, Roman J | RJG               |
| SW846 8015B   | Cady, Iryna M     | IMC               |
| MCAWW 300.0   | Alvarez, Tracy L  | TLA               |

## SAMPLE SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time<br>Sampled | Date/Time<br>Received |
|---------------|------------------|---------------|----------------------|-----------------------|
| 560-6943-1    | Cell 1A (0-1)    | Soil          | 10/09/2007 1200      | 10/10/2007 0836       |
| 560-6943-2    | Cell 1B (0-1)    | Soil          | 10/09/2007 1245      | 10/10/2007 0836       |
| 560-6943-3    | Cell 1C (0-1)    | Soil          | 10/09/2007 1330      | 10/10/2007 0836       |
| 560-6943-4    | Cell 1B-01 (0-1) | Soil          | 10/09/2007 1300      | 10/10/2007 0836       |
| 560-6943-5    | Cell 2D (0-1)    | Soil          | 10/09/2007 1215      | 10/10/2007 0836       |



# **SAMPLE RESULTS**

Ms. Michelle Green  
Larson & Associates, Inc.  
507 N Marienfeld  
Suite 202  
Midland, TX 79701

Job Number: 560-6943-1

Client Sample ID: Cell 1A (0-1)  
Lab Sample ID: 560-6943-1

Date Sampled: 10/09/2007 1200  
Date Received: 10/10/2007 0836  
Client Matrix: Soil

| Analyte                     | Result/Qualifier |   | Unit                           | MDL               | MQL    | Dilution |
|-----------------------------|------------------|---|--------------------------------|-------------------|--------|----------|
| Method: 8021B               |                  |   | Date Analyzed: 10/10/2007 1710 |                   |        |          |
| Prep Method: 5030B          |                  |   | Date Prepared: 10/10/2007 1710 |                   |        |          |
| Benzene                     | 0.0016           | U | mg/Kg                          | 0.0016            | 0.0044 | 1.0      |
| Toluene                     | 0.0018           | U | mg/Kg                          | 0.0018            | 0.0044 | 1.0      |
| Ethylbenzene                | 0.0019           | U | mg/Kg                          | 0.0019            | 0.0044 | 1.0      |
| Xylenes, Total              | 0.0058           | U | mg/Kg                          | 0.0058            | 0.013  | 1.0      |
| Surrogate                   |                  |   |                                | Acceptance Limits |        |          |
| 4-Bromofluorobenzene (Surr) | 71               |   | %                              | 51 - 127          |        |          |
| Trifluorotoluene (Surr)     | 76               |   | %                              | 50 - 129          |        |          |

Ms. Michelle Green  
 Larson & Associates, Inc.  
 507 N Marienfeld  
 Suite 202  
 Midland, TX 79701

Job Number: 560-6943-1

**Client Sample ID: Cell 1A (0-1)**  
**Lab Sample ID: 560-6943-1**

Date Sampled: 10/09/2007 1200  
 Date Received: 10/10/2007 0836  
 Client Matrix: Soil

| Analyte                                                                                  | Result/Qualifier | Unit | MDL   | RL                            | Dilution |
|------------------------------------------------------------------------------------------|------------------|------|-------|-------------------------------|----------|
| <b>Method: 8015M</b><br><b>Prep Method: 5035</b><br>Gasoline Range Organics (GRO)-C6-C10 |                  |      |       |                               |          |
|                                                                                          | 0.054            | J B  | mg/Kg | 0.029                         | 1.0      |
| Surrogate                                                                                |                  |      |       |                               |          |
| a,a,a-Trifluorotoluene (fid)                                                             | 106              | %    |       | Acceptance Limits<br>60 - 134 |          |
| <b>Method: 8015B</b><br><b>Prep Method: 3550B</b><br>Diesel Range Organics [C10-C28]     |                  |      |       |                               |          |
|                                                                                          | 1100             |      | mg/Kg | 42                            | 10       |
| Surrogate                                                                                |                  |      |       |                               |          |
| o-Terphenyl                                                                              | 129              | %    |       | Acceptance Limits<br>29 - 140 |          |
| <b>Method: Soluble-300.0</b><br>Chloride                                                 |                  |      |       |                               |          |
|                                                                                          | 18               |      | mg/Kg | 1.4                           | 1.0      |

Ms. Michelle Green  
Larson & Associates, Inc.  
507 N Marienfeld  
Suite 202  
Midland, TX 79701

Job Number: 560-6943-1

Client Sample ID: Cell 1B (0-1)  
Lab Sample ID: 560-6943-2

Date Sampled: 10/09/2007 1245  
Date Received: 10/10/2007 0836  
Client Matrix: Soil

| Analyte                     | Result/Qualifier |   | Unit                           | MDL               | MQL      | Dilution |
|-----------------------------|------------------|---|--------------------------------|-------------------|----------|----------|
| Method: 8021B               |                  |   | Date Analyzed: 10/10/2007 1739 |                   |          |          |
| Prep Method: 5030B          |                  |   | Date Prepared: 10/10/2007 1739 |                   |          |          |
| Benzene                     | 0.0017           | U | mg/Kg                          | 0.0017            | 0.0044   | 1.0      |
| Toluene                     | 0.0018           | U | mg/Kg                          | 0.0018            | 0.0044   | 1.0      |
| Ethylbenzene                | 0.0019           | U | mg/Kg                          | 0.0019            | 0.0044   | 1.0      |
| Xylenes, Total              | 0.0058           | U | mg/Kg                          | 0.0058            | 0.013    | 1.0      |
| Surrogate                   |                  |   |                                | Acceptance Limits |          |          |
| 4-Bromofluorobenzene (Surr) | 76               |   | %                              |                   | 51 - 127 |          |
| Trifluorotoluene (Surr)     | 71               |   | %                              |                   | 50 - 129 |          |

Ms. Michelle Green  
Larson & Associates, Inc.  
507 N Marienfeld  
Suite 202  
Midland, TX 79701

Job Number: 560-6943-1

**Client Sample ID:** Cell 1B (0-1)  
**Lab Sample ID:** 560-6943-2

Date Sampled: 10/09/2007 1245  
Date Received: 10/10/2007 0836  
Client Matrix: Soil

| Analyte                              | Result/Qualifier  |   | Unit           | MDL        | RL       | Dilution |
|--------------------------------------|-------------------|---|----------------|------------|----------|----------|
| Method: 8015M                        |                   |   | Date Analyzed: | 10/11/2007 | 1651     |          |
| Prep Method: 5035                    |                   |   | Date Prepared: | 10/11/2007 | 1431     |          |
| Gasoline Range Organics (GRO)-C6-C10 | 0.015             | U | mg/Kg          | 0.015      | 0.046    | 1.0      |
| Surrogate                            | Acceptance Limits |   |                |            |          |          |
| a,a,a-Trifluorotoluene (fid)         | 98                |   | %              |            | 60 - 134 |          |
| Method: 8015B                        |                   |   | Date Analyzed: | 10/19/2007 | 1247     |          |
| Prep Method: 3550B                   |                   |   | Date Prepared: | 10/18/2007 | 1100     |          |
| Diesel Range Organics [C10-C28]      | 110               |   | mg/Kg          | 4.2        | 50       | 1.0      |
| Surrogate                            | Acceptance Limits |   |                |            |          |          |
| o-Terphenyl                          | 108               |   | %              |            | 29 - 140 |          |
| Method: Soluble-300.0                |                   |   | Date Analyzed: | 10/18/2007 | 1015     |          |
| Chloride                             | 230               |   | mg/Kg          | 2.8        | 9.8      | 2.0      |

Ms. Michelle Green  
Larson & Associates, Inc.  
507 N Marienfeld  
Suite 202  
Midland, TX 79701

Job Number: 560-6943-1

Client Sample ID: Cell 1C (0-1)  
Lab Sample ID: 560-6943-3

Date Sampled: 10/09/2007 1330  
Date Received: 10/10/2007 0836  
Client Matrix: Soil

| Analyte                     | Result/Qualifier |   | Unit           | MDL               | MQL    | Dilution |
|-----------------------------|------------------|---|----------------|-------------------|--------|----------|
| Method: 8021B               |                  |   | Date Analyzed: | 10/10/2007 1807   |        |          |
| Prep Method: 5030B          |                  |   | Date Prepared: | 10/10/2007 1807   |        |          |
| Benzene                     | 0.0016           | U | mg/Kg          | 0.0016            | 0.0043 | 1.0      |
| Toluene                     | 0.0018           | U | mg/Kg          | 0.0018            | 0.0043 | 1.0      |
| Ethylbenzene                | 0.0019           | U | mg/Kg          | 0.0019            | 0.0043 | 1.0      |
| Xylenes, Total              | 0.0058           | U | mg/Kg          | 0.0058            | 0.013  | 1.0      |
| Surrogate                   |                  |   |                | Acceptance Limits |        |          |
| 4-Bromofluorobenzene (Surr) | 76               |   | %              | 51 - 127          |        |          |
| Trifluorotoluene (Surr)     | 71               |   | %              | 50 - 129          |        |          |

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Job Number: 560-6943-1

**Client Sample ID: Cell 1C (0-1)**  
**Lab Sample ID: 560-6943-3**

Date Sampled: 10/09/2007 1330  
Date Received: 10/10/2007 0836  
Client Matrix: Soil

| Analyte                              | Result/Qualifier |   | Unit           | MDL        | RL                | Dilution |
|--------------------------------------|------------------|---|----------------|------------|-------------------|----------|
| Method: 8015M                        |                  |   | Date Analyzed: | 10/11/2007 | 1718              |          |
| Prep Method: 5035                    |                  |   | Date Prepared: | 10/11/2007 | 1431              |          |
| Gasoline Range Organics (GRO)-C6-C10 | 0.022            | U | mg/Kg          | 0.022      | 0.067             | 1.0      |
| Surrogate                            |                  |   |                |            | Acceptance Limits |          |
| a,a,a-Trifluorotoluene (fid)         | 106              |   | %              |            | 60 - 134          |          |
| Method: 8015B                        |                  |   | Date Analyzed: | 10/19/2007 | 1255              |          |
| Prep Method: 3550B                   |                  |   | Date Prepared: | 10/18/2007 | 1100              |          |
| Diesel Range Organics [C10-C28]      | 4400             | J | mg/Kg          | 420        | 5000              | 100      |
| Surrogate                            |                  |   |                |            | Acceptance Limits |          |
| o-Terphenyl                          | 188              | X | %              |            | 29 - 140          |          |
| Method: Soluble-300.0                |                  |   | Date Analyzed: | 10/18/2007 | 1015              |          |
| Chloride                             | 450              |   | mg/Kg          | 2.8        | 9.9               | 2.0      |

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Job Number: 560-6943-1

**Client Sample ID: Cell 1B-01 (0-1)**  
**Lab Sample ID: 560-6943-4**

Date Sampled: 10/09/2007 1300  
Date Received: 10/10/2007 0836  
Client Matrix: Soil

| Analyte                     | Result/Qualifier  |   | Unit           | MDL        | MQL      | Dilution |
|-----------------------------|-------------------|---|----------------|------------|----------|----------|
| Method: 8021B               |                   |   | Date Analyzed: | 10/10/2007 | 1836     |          |
| Prep Method: 5030B          |                   |   | Date Prepared: | 10/10/2007 | 1836     |          |
| Benzene                     | 0.0016            | U | mg/Kg          | 0.0016     | 0.0043   | 1.0      |
| Toluene                     | 0.0018            | U | mg/Kg          | 0.0018     | 0.0043   | 1.0      |
| Ethylbenzene                | 0.0019            | U | mg/Kg          | 0.0019     | 0.0043   | 1.0      |
| Xylenes, Total              | 0.0058            | U | mg/Kg          | 0.0058     | 0.013    | 1.0      |
| Surrogate                   | Acceptance Limits |   |                |            |          |          |
| 4-Bromofluorobenzene (Surr) | 75                |   | %              |            | 51 - 127 |          |
| Trifluorotoluene (Surr)     | 71                |   | %              |            | 50 - 129 |          |



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Job Number: 560-6943-1

**Client Sample ID: Cell 1B-01 (0-1)**  
**Lab Sample ID: 560-6943-4**

Date Sampled: 10/09/2007 1300  
Date Received: 10/10/2007 0836  
Client Matrix: Soil

| Analyte                              | Result/Qualifier  |   | Unit           | MDL        | RL       | Dilution |
|--------------------------------------|-------------------|---|----------------|------------|----------|----------|
| Method: 8015M                        |                   |   | Date Analyzed: | 10/11/2007 | 1746     |          |
| Prep Method: 5035                    |                   |   | Date Prepared: | 10/11/2007 | 1431     |          |
| Gasoline Range Organics (GRO)-C6-C10 | 0.030             | U | mg/Kg          | 0.030      | 0.091    | 1.0      |
| Surrogate                            | Acceptance Limits |   |                |            |          |          |
| a,a,a-Trifluorotoluene (fid)         | 105               |   | %              |            | 60 - 134 |          |
| Method: 8015B                        |                   |   | Date Analyzed: | 10/19/2007 | 1304     |          |
| Prep Method: 3550B                   |                   |   | Date Prepared: | 10/18/2007 | 1100     |          |
| Diesel Range Organics [C10-C28]      | 9.7               | J | mg/Kg          | 4.2        | 50       | 1.0      |
| Surrogate                            | Acceptance Limits |   |                |            |          |          |
| o-Terphenyl                          | 95                |   | %              |            | 29 - 140 |          |
| Method: Soluble-300.0                |                   |   | Date Analyzed: | 10/18/2007 | 1015     |          |
| Chloride                             | 140               |   | mg/Kg          | 1.4        | 4.9      | 1.0      |

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Job Number: 560-6943-1

**Client Sample ID:** Cell 2D (0-1)  
**Lab Sample ID:** 560-6943-5

Date Sampled: 10/09/2007 1215  
Date Received: 10/10/2007 0836  
Client Matrix: Soil

| Analyte                     | Result/Qualifier |   | Unit                           | MDL               | MQL      | Dilution |
|-----------------------------|------------------|---|--------------------------------|-------------------|----------|----------|
| Method: 8021B               |                  |   | Date Analyzed: 10/10/2007 1908 |                   |          |          |
| Prep Method: 5030B          |                  |   | Date Prepared: 10/10/2007 1908 |                   |          |          |
| Benzene                     | 0.0016           | U | mg/Kg                          | 0.0016            | 0.0043   | 1.0      |
| Toluene                     | 0.0018           | U | mg/Kg                          | 0.0018            | 0.0043   | 1.0      |
| Ethylbenzene                | 0.0019           | U | mg/Kg                          | 0.0019            | 0.0043   | 1.0      |
| Xylenes, Total              | 0.0058           | U | mg/Kg                          | 0.0058            | 0.013    | 1.0      |
| Surrogate                   |                  |   |                                | Acceptance Limits |          |          |
| 4-Bromofluorobenzene (Surr) | 66               |   | %                              |                   | 51 - 127 |          |
| Trifluorotoluene (Surr)     | 65               |   | %                              |                   | 50 - 129 |          |

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Job Number: 560-6943-1

**Client Sample ID:** Cell 2D (0-1)  
**Lab Sample ID:** 560-6943-5

Date Sampled: 10/09/2007 1215  
Date Received: 10/10/2007 0836  
Client Matrix: Soil

| Analyte                              | Result/Qualifier  |   | Unit           | MDL        | RL       | Dilution |
|--------------------------------------|-------------------|---|----------------|------------|----------|----------|
| Method: 8015M                        |                   |   | Date Analyzed: | 10/11/2007 | 1813     |          |
| Prep Method: 5035                    |                   |   | Date Prepared: | 10/11/2007 | 1431     |          |
| Gasoline Range Organics (GRO)-C6-C10 | 0.90              | B | mg/Kg          | 0.030      | 0.092    | 1.0      |
| Surrogate                            | Acceptance Limits |   |                |            |          |          |
| a,a,a-Trifluorotoluene (fid)         | 97                |   | %              |            | 60 - 134 |          |
| Method: 8015B                        |                   |   | Date Analyzed: | 10/19/2007 | 1312     |          |
| Prep Method: 3550B                   |                   |   | Date Prepared: | 10/18/2007 | 1100     |          |
| Diesel Range Organics [C10-C28]      | 8400              |   | mg/Kg          | 420        | 5000     | 100      |
| Surrogate                            | Acceptance Limits |   |                |            |          |          |
| o-Terphenyl                          | 354               | X | %              |            | 29 - 140 |          |
| Method: Soluble-300.0                |                   |   | Date Analyzed: | 10/18/2007 | 1015     |          |
| Chloride                             | 280               |   | mg/Kg          | 2.8        | 9.8      | 2.0      |

## DATA REPORTING QUALIFIERS

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

| Lab Section       | Qualifier | Description                                                                                                    |
|-------------------|-----------|----------------------------------------------------------------------------------------------------------------|
| GC VOA            |           |                                                                                                                |
|                   | B         | Compound was found in the blank and sample.                                                                    |
|                   | U         | Indicates the analyte was analyzed for but not detected.                                                       |
|                   | F         | MS or MSD exceeds the control limits                                                                           |
|                   | J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
|                   | F         | RPD of the MS and MSD exceeds the control limits                                                               |
|                   | X         | Surrogate exceeds the control limits                                                                           |
| GC Semi VOA       |           |                                                                                                                |
|                   | U         | Indicates the analyte was analyzed for but not detected.                                                       |
|                   | J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
|                   | X         | Surrogate exceeds the control limits                                                                           |
| General Chemistry |           |                                                                                                                |
|                   | U         | Indicates the analyte was analyzed for but not detected.                                                       |

# QUALITY CONTROL RESULTS

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID       | Report Basis | Client Matrix | Method | Prep Batch |
|---------------------------------|------------------------|--------------|---------------|--------|------------|
| <b>GC VOA</b>                   |                        |              |               |        |            |
| <b>Analysis Batch:560-16201</b> |                        |              |               |        |            |
| LCS 560-16201/1                 | Lab Control Spike      | T            | Solid         | 8021B  |            |
| MB 560-16201/2                  | Method Blank           | T            | Solid         | 8021B  |            |
| 560-6943-1                      | Cell 1A (0-1)          | T            | Solid         | 8021B  |            |
| 560-6943-1MS                    | Matrix Spike           | T            | Solid         | 8021B  |            |
| 560-6943-1MSD                   | Matrix Spike Duplicate | T            | Solid         | 8021B  |            |
| 560-6943-2                      | Cell 1B (0-1)          | T            | Solid         | 8021B  |            |
| 560-6943-3                      | Cell 1C (0-1)          | T            | Solid         | 8021B  |            |
| 560-6943-4                      | Cell 1B-01 (0-1)       | T            | Solid         | 8021B  |            |
| 560-6943-5                      | Cell 2D (0-1)          | T            | Solid         | 8021B  |            |
| <b>Analysis Batch:400-57311</b> |                        |              |               |        |            |
| LCS 400-57337/1-A               | Lab Control Spike      | T            | Solid         | 8015M  | 400-57337  |
| MB 400-57337/2-A                | Method Blank           | T            | Solid         | 8015M  | 400-57337  |
| 560-6943-1                      | Cell 1A (0-1)          | T            | Solid         | 8015M  | 400-57337  |
| 560-6943-2                      | Cell 1B (0-1)          | T            | Solid         | 8015M  | 400-57337  |
| 560-6943-3                      | Cell 1C (0-1)          | T            | Solid         | 8015M  | 400-57337  |
| 560-6943-4                      | Cell 1B-01 (0-1)       | T            | Solid         | 8015M  | 400-57337  |
| 560-6943-4MS                    | Matrix Spike           | T            | Solid         | 8015M  | 400-57337  |
| 560-6943-4MSD                   | Matrix Spike Duplicate | T            | Solid         | 8015M  | 400-57337  |
| 560-6943-5                      | Cell 2D (0-1)          | T            | Solid         | 8015M  | 400-57337  |
| <b>Prep Batch: 400-57337</b>    |                        |              |               |        |            |
| LCS 400-57337/1-A               | Lab Control Spike      | T            | Solid         | 5035   |            |
| MB 400-57337/2-A                | Method Blank           | T            | Solid         | 5035   |            |
| 560-6943-1                      | Cell 1A (0-1)          | T            | Solid         | 5035   |            |
| 560-6943-2                      | Cell 1B (0-1)          | T            | Solid         | 5035   |            |
| 560-6943-3                      | Cell 1C (0-1)          | T            | Solid         | 5035   |            |
| 560-6943-4                      | Cell 1B-01 (0-1)       | T            | Solid         | 5035   |            |
| 560-6943-4MS                    | Matrix Spike           | T            | Solid         | 5035   |            |
| 560-6943-4MSD                   | Matrix Spike Duplicate | T            | Solid         | 5035   |            |
| 560-6943-5                      | Cell 2D (0-1)          | T            | Solid         | 5035   |            |

#### Report Basis

T = Total

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## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

### QC Association Summary

| Lab Sample ID                    | Client Sample ID  | Report Basis | Client Matrix | Method | Prep Batch |
|----------------------------------|-------------------|--------------|---------------|--------|------------|
| <b>GC Semi VOA</b>               |                   |              |               |        |            |
| <b>Prep Batch: 560-16505</b>     |                   |              |               |        |            |
| LCS 560-16505/2-A                | Lab Control Spike | T            | Solid         | 3550B  |            |
| MB 560-16505/1-A                 | Method Blank      | T            | Solid         | 3550B  |            |
| 560-6943-1                       | Cell 1A (0-1)     | T            | Solid         | 3550B  |            |
| 560-6943-2                       | Cell 1B (0-1)     | T            | Solid         | 3550B  |            |
| 560-6943-3                       | Cell 1C (0-1)     | T            | Solid         | 3550B  |            |
| 560-6943-4                       | Cell 1B-01 (0-1)  | T            | Solid         | 3550B  |            |
| 560-6943-5                       | Cell 2D (0-1)     | T            | Solid         | 3550B  |            |
| <b>Analysis Batch: 560-16549</b> |                   |              |               |        |            |
| LCS 560-16505/2-A                | Lab Control Spike | T            | Solid         | 8015B  | 560-16505  |
| MB 560-16505/1-A                 | Method Blank      | T            | Solid         | 8015B  | 560-16505  |
| 560-6943-1                       | Cell 1A (0-1)     | T            | Solid         | 8015B  | 560-16505  |
| 560-6943-2                       | Cell 1B (0-1)     | T            | Solid         | 8015B  | 560-16505  |
| 560-6943-3                       | Cell 1C (0-1)     | T            | Solid         | 8015B  | 560-16505  |
| 560-6943-4                       | Cell 1B-01 (0-1)  | T            | Solid         | 8015B  | 560-16505  |
| 560-6943-5                       | Cell 2D (0-1)     | T            | Solid         | 8015B  | 560-16505  |

#### Report Basis

T = Total

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID       | Report Basis | Client Matrix | Method   | Prep Batch |
|---------------------------------|------------------------|--------------|---------------|----------|------------|
| <b>General Chemistry</b>        |                        |              |               |          |            |
| <b>Prep Batch: 560-16486</b>    |                        |              |               |          |            |
| LCS 560-16486/2-A               | Lab Control Spike      | S            | Solid         | DI Leach |            |
| MB 560-16486/1-A                | Method Blank           | S            | Solid         | DI Leach |            |
| 560-6943-1                      | Cell 1A (0-1)          | S            | Solid         | DI Leach |            |
| 560-6943-1MS                    | Matrix Spike           | S            | Solid         | DI Leach |            |
| 560-6943-1MSD                   | Matrix Spike Duplicate | S            | Solid         | DI Leach |            |
| 560-6943-2                      | Cell 1B (0-1)          | S            | Solid         | DI Leach |            |
| 560-6943-3                      | Cell 1C (0-1)          | S            | Solid         | DI Leach |            |
| 560-6943-4                      | Cell 1B-01 (0-1)       | S            | Solid         | DI Leach |            |
| 560-6943-5                      | Cell 2D (0-1)          | S            | Solid         | DI Leach |            |
| <b>Analysis Batch:560-16511</b> |                        |              |               |          |            |
| LCS 560-16486/2-A               | Lab Control Spike      | S            | Solid         | 300.0    |            |
| MB 560-16486/1-A                | Method Blank           | S            | Solid         | 300.0    |            |
| 560-6943-1                      | Cell 1A (0-1)          | S            | Solid         | 300.0    |            |
| 560-6943-1MS                    | Matrix Spike           | S            | Solid         | 300.0    |            |
| 560-6943-1MSD                   | Matrix Spike Duplicate | S            | Solid         | 300.0    |            |
| 560-6943-2                      | Cell 1B (0-1)          | S            | Solid         | 300.0    |            |
| 560-6943-3                      | Cell 1C (0-1)          | S            | Solid         | 300.0    |            |
| 560-6943-4                      | Cell 1B-01 (0-1)       | S            | Solid         | 300.0    |            |
| 560-6943-5                      | Cell 2D (0-1)          | S            | Solid         | 300.0    |            |

#### Report Basis

S = Soluble



## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

### Method Blank - Batch: 400-57337

Method: 8015M  
Preparation: 5035

Lab Sample ID: MB 400-57337/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/11/2007 1528  
Date Prepared: 10/11/2007 1431

Analysis Batch: 400-57311  
Prep Batch: 400-57337  
Units: mg/Kg

Instrument ID: GC/PID/FID  
Lab File ID: R101103.D  
Initial Weight/Volume: 5.0 g  
Final Weight/Volume: 5.0 g  
Injection Volume:  
Column ID: PRIMARY

| Analyte                              | Result | Qual              | MDL   | RL   |
|--------------------------------------|--------|-------------------|-------|------|
| Gasoline Range Organics (GRO)-C6-C10 | 0.041  | J                 | 0.033 | 0.10 |
| Surrogate                            | % Rec  | Acceptance Limits |       |      |
| a,a,a-Trifluorotoluene (fid)         | 105    | 60 - 134          |       |      |

### Lab Control Spike - Batch: 400-57337

Method: 8015M  
Preparation: 5035

Lab Sample ID: LCS 400-57337/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/11/2007 1431  
Date Prepared: 10/11/2007 1431

Analysis Batch: 400-57311  
Prep Batch: 400-57337  
Units: mg/Kg

Instrument ID: GC/PID/FID  
Lab File ID: R101102.D  
Initial Weight/Volume: 5.0 g  
Final Weight/Volume: 5.0 g  
Injection Volume:  
Column ID: PRIMARY

| Analyte                              | Spike Amount | Result            | % Rec. | Limit    | Qual |
|--------------------------------------|--------------|-------------------|--------|----------|------|
| Gasoline Range Organics (GRO)-C6-C10 | 1.00         | 0.989             | 99     | 75 - 124 |      |
| Surrogate                            | % Rec        | Acceptance Limits |        |          |      |
| a,a,a-Trifluorotoluene (fid)         | 103          | 60 - 134          |        |          |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 400-57337

Method: 8015M  
Preparation: 5035

MS Lab Sample ID: 560-6943-4  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/11/2007 1841  
Date Prepared: 10/11/2007 1431

Analysis Batch: 400-57311  
Prep Batch: 400-57337

Instrument ID: GC/PID/FID  
Lab File ID: R101109.D  
Initial Weight/Volume: 5.01 g  
Final Weight/Volume: 5.0 g  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-6943-4  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/11/2007 1908  
Date Prepared: 10/11/2007 1431

Analysis Batch: 400-57311  
Prep Batch: 400-57337

Instrument ID: GC/PID/FID  
Lab File ID: R101110.D  
Initial Weight/Volume: 5.03 g  
Final Weight/Volume: 5.0 g  
Injection Volume:  
Column ID: PRIMARY

| Analyte                              | % Rec.   |     | Limit     | RPD               | RPD Limit | MS Qual | MSD Qual |
|--------------------------------------|----------|-----|-----------|-------------------|-----------|---------|----------|
|                                      | MS       | MSD |           |                   |           |         |          |
| Gasoline Range Organics (GRO)-C6-C10 | 83       | 60  | 35 - 167  | 31                | 21        |         | F        |
| Surrogate                            | MS % Rec |     | MSD % Rec | Acceptance Limits |           |         |          |
| a,a,a-Trifluorotoluene (fid)         | 101      |     | 100       | 60 - 134          |           |         |          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

### Method Blank - Batch: 560-16201

Method: 8021B  
Preparation: 5030B

Lab Sample ID: MB 560-16201/2  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/10/2007 1641  
Date Prepared: 10/10/2007 1641

Analysis Batch: 560-16201  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: HP GC [Method 8021]  
Lab File ID: 10100703.D  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                     | Result | Qual | MDL               | MQL    |
|-----------------------------|--------|------|-------------------|--------|
| Benzene                     | 0.0019 | U    | 0.0019            | 0.0050 |
| Toluene                     | 0.0021 | U    | 0.0021            | 0.0050 |
| Ethylbenzene                | 0.0022 | U    | 0.0022            | 0.0050 |
| Xylenes, Total              | 0.0067 | U    | 0.0067            | 0.015  |
| Surrogate                   | % Rec  |      | Acceptance Limits |        |
| 4-Bromofluorobenzene (Surr) | 79     |      | 51 - 127          |        |
| Trifluorotoluene (Surr)     | 79     |      | 50 - 129          |        |

### Lab Control Spike - Batch: 560-16201

Method: 8021B  
Preparation: 5030B

Lab Sample ID: LCS 560-16201/1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/10/2007 1612  
Date Prepared: 10/10/2007 1612

Analysis Batch: 560-16201  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: HP GC [Method 8021]  
Lab File ID: 10100702.D  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                     | Spike Amount | Result | % Rec.            | Limit    | Qual |
|-----------------------------|--------------|--------|-------------------|----------|------|
| Benzene                     | 0.0200       | 0.0171 | 86                | 76 - 128 |      |
| Toluene                     | 0.0200       | 0.0175 | 88                | 71 - 124 |      |
| Ethylbenzene                | 0.0200       | 0.0177 | 89                | 73 - 122 |      |
| Xylenes, Total              | 0.0400       | 0.0362 | 90                | 73 - 133 |      |
| Surrogate                   | % Rec        |        | Acceptance Limits |          |      |
| 4-Bromofluorobenzene (Surr) | 77           |        | 51 - 127          |          |      |
| Trifluorotoluene (Surr)     | 79           |        | 50 - 129          |          |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 560-16201**

**Method: 8021B  
Preparation: 5030B**

MS Lab Sample ID: 560-6943-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/11/2007 0508  
Date Prepared: 10/11/2007 0508

Analysis Batch: 560-16201  
Prep Batch: N/A

Instrument ID: HP GC [Method 8021]  
Lab File ID: 10100709.D  
Initial Weight/Volume: 5.75 mL  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-6943-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/11/2007 0537  
Date Prepared: 10/11/2007 0537

Analysis Batch: 560-16201  
Prep Batch: N/A

Instrument ID: HP GC [Method 8021]  
Lab File ID: 10100710.D  
Initial Weight/Volume: 5.75 mL  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                     | % Rec.   |     | Limit     | RPD | RPD Limit         | MS Qual | MSD Qual |
|-----------------------------|----------|-----|-----------|-----|-------------------|---------|----------|
|                             | MS       | MSD |           |     |                   |         |          |
| Benzene                     | 29       | 40  | 28 - 150  | 34  | 30                |         | F        |
| Toluene                     | 17       | 24  | 23 - 150  | 34  | 30                | J F     | J F      |
| Ethylbenzene                | 10       | 14  | 20 - 150  | NC  | 30                | U F     | J F      |
| Xylenes, Total              | 9        | 12  | 20 - 150  | NC  | 30                | U F     | U F      |
| Surrogate                   | MS % Rec |     | MSD % Rec |     | Acceptance Limits |         |          |
| 4-Bromofluorobenzene (Surr) | 49       | X   | 70        |     | 51 - 127          |         |          |
| Trifluorotoluene (Surr)     | 40       | X   | 70        |     | 50 - 129          |         |          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

### Method Blank - Batch: 560-16505

Method: 8015B  
Preparation: 3550B

Lab Sample ID: MB 560-16505/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/19/2007 1043  
Date Prepared: 10/18/2007 1100

Analysis Batch: 560-16549  
Prep Batch: 560-16505  
Units: mg/Kg

Instrument ID: Hewlett Packard GC [Meth  
Lab File ID: 10190708.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                         | Result | Qual              | MDL | RL |
|---------------------------------|--------|-------------------|-----|----|
| Diesel Range Organics [C10-C28] | 4.2    | U                 | 4.2 | 50 |
| Surrogate                       | % Rec  | Acceptance Limits |     |    |
| o-Terphenyl                     | 98     | 29 - 140          |     |    |

### Lab Control Spike - Batch: 560-16505

Method: 8015B  
Preparation: 3550B

Lab Sample ID: LCS 560-16505/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/19/2007 1051  
Date Prepared: 10/18/2007 1100

Analysis Batch: 560-16549  
Prep Batch: 560-16505  
Units: mg/Kg

Instrument ID: Hewlett Packard GC [Meth  
Lab File ID: 10190709.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                         | Spike Amount | Result            | % Rec. | Limit    | Qual |
|---------------------------------|--------------|-------------------|--------|----------|------|
| Diesel Range Organics [C10-C28] | 167          | 165               | 99     | 38 - 131 |      |
| Surrogate                       | % Rec        | Acceptance Limits |        |          |      |
| o-Terphenyl                     | 103          | 29 - 140          |        |          |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

### Method Blank - Batch: 560-16511

**Method: 300.0**  
**Preparation: N/A**

Lab Sample ID: MB 560-16486/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/18/2007 1015  
Date Prepared: N/A  
Date Leached: 10/18/2007 1045

Analysis Batch: 560-16511  
Prep Batch: N/A  
Units: mg/Kg  
  
Leachate Batch: 560-16486

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

| Analyte    | Result | Qual | MDL  | RL   |
|------------|--------|------|------|------|
| Chloride-S | 0.14   | U    | 0.14 | 0.50 |

### Lab Control Spike - Batch: 560-16511

**Method: 300.0**  
**Preparation: N/A**

Lab Sample ID: LCS 560-16486/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/18/2007 1015  
Date Prepared: N/A  
Date Leached: 10/18/2007 1045

Analysis Batch: 560-16511  
Prep Batch: N/A  
Units: mg/Kg  
  
Leachate Batch: 560-16486

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

| Analyte    | Spike Amount | Result | % Rec. | Limit    | Qual |
|------------|--------------|--------|--------|----------|------|
| Chloride-S | 10.0         | 9.10   | 91     | 70 - 130 |      |

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-16511

**Method: 300.0**  
**Preparation: N/A**

MS Lab Sample ID: 560-6943-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/18/2007 1015  
Date Prepared: N/A  
Date Leached: 10/18/2007 1045

Analysis Batch: 560-16511  
Prep Batch: N/A  
  
Leachate Batch: 560-16486

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

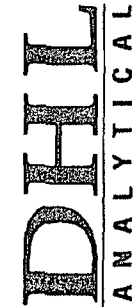
MSD Lab Sample ID: 560-6943-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/18/2007 1015  
Date Prepared: N/A  
Date Leached: 10/18/2007 1045

Analysis Batch: 560-16511  
Prep Batch: N/A  
  
Leachate Batch: 560-16486

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

| Analyte    | % Rec. |     | Limit    | RPD | RPD Limit | MS Qual | MSD Qual |
|------------|--------|-----|----------|-----|-----------|---------|----------|
|            | MS     | MSD |          |     |           |         |          |
| Chloride-S | 94     | 91  | 70 - 130 | 3   | 30        |         |          |

Calculations are performed before rounding to avoid round-off errors in calculated results.



440c  
IR-1  
Lead

No 323316943  
CHAIN-OF-CUSTODY

CLIENT PROJECT #: 6-0108 COLLECTOR: \_\_\_\_\_

1

100

## Login Sample Receipt Check List

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

Login Number: 6943

Creator: Ortiz, Paul

List Number: 1

List Source: TestAmerica Corpus Christi

| Question                                                                         | T / F / NA | Comment   |
|----------------------------------------------------------------------------------|------------|-----------|
| Radioactivity either was not measured or, if measured, is at or below background | N/A        |           |
| The cooler's custody seal, if present, is intact.                                | True       |           |
| The cooler or samples do not appear to have been compromised or tampered with.   | True       |           |
| Samples were received on ice.                                                    | True       |           |
| Cooler Temperature is acceptable.                                                | True       |           |
| Cooler Temperature is recorded.                                                  | True       | 4.4C IR-1 |
| COC is present.                                                                  | True       |           |
| COC is filled out in ink and legible.                                            | True       |           |
| COC is filled out with all pertinent information.                                | True       |           |
| There are no discrepancies between the sample IDs on the containers and the COC. | True       |           |
| Samples are received within Holding Time.                                        | True       |           |
| Sample containers have legible labels.                                           | True       |           |
| Containers are not broken or leaking.                                            | True       |           |
| Sample collection date/times are provided.                                       | True       |           |
| Appropriate sample containers are used.                                          | True       |           |
| Sample bottles are completely filled.                                            | True       |           |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True       |           |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.     | N/A        |           |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True       |           |
| Multiphasic samples are not present.                                             | True       |           |
| Samples do not require splitting or compositing.                                 | True       |           |



## Login Sample Receipt Check List

Client: Larson & Associates, Inc.

Job Number: 560-6943-1

**Login Number: 6943**  
**Creator: Chea, Vanda**  
**List Number: 1**

**List Source: TestAmerica Pensacola**  
**List Creation: 10/11/07 02:48 PM**

| Question                                                                         | T / F / NA | Comment |
|----------------------------------------------------------------------------------|------------|---------|
| Radioactivity either was not measured or, if measured, is at or below background | N/A        |         |
| The cooler's custody seal, if present, is intact.                                | N/A        |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True       |         |
| Samples were received on ice.                                                    | True       |         |
| Cooler Temperature is acceptable.                                                | True       | 2.7°C   |
| Cooler Temperature is recorded.                                                  | True       |         |
| COC is present.                                                                  | True       |         |
| COC is filled out in ink and legible.                                            | True       |         |
| COC is filled out with all pertinent information.                                | True       |         |
| There are no discrepancies between the sample IDs on the containers and the COC. | True       |         |
| Samples are received within Holding Time.                                        | True       |         |
| Sample containers have legible labels.                                           | True       |         |
| Containers are not broken or leaking.                                            | True       |         |
| Sample collection date/times are provided.                                       | True       |         |
| Appropriate sample containers are used.                                          | True       |         |
| Sample bottles are completely filled.                                            | True       |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True       |         |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.     | N/A        |         |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True       |         |
| Multiphasic samples are not present.                                             | True       |         |
| Samples do not require splitting or compositing.                                 | True       |         |

## ANALYTICAL REPORT

Job Number: 560-7038-1

Job Description: Eunice Landfarm Sampling

For:

Larson & Associates, Inc.

PO BOX 50685

Midland, TX 79710

Attention: Ms. Michelle Green



---

Julie Darrow

Project Manager I

[julier.darrow@testamericainc.com](mailto:julier.darrow@testamericainc.com)

10/30/2007

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**TestAmerica Laboratories, Inc.**

TestAmerica Corpus Christi 1733 N. Padre Island Drive, Corpus Christi, TX 78408

Tel (361) 289-2673 Fax (361) 289-2471 [www.testamericainc.com](http://www.testamericainc.com)



**STL Corpus Christi**  
**TRRP Data Package Signature Page**

Job Number: 560-7038-1

Project Name/Number: Eunice Landfarm  
Sampling 6-0108

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate control limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory Analytical Duplicates (if applicable) Recovery and Precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 Method Quantitation Limit (MQL) for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

Release Statement: "I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the Laboratory Review Checklist and/or Case Narrative provided with the analytical report. I affirm, to the best of my knowledge, that all problems/anomalies observed by this laboratory that might affect the quality of the data have been identified in the Laboratory Review Checklist and/or Case Narrative, and that no information or data has been knowingly withheld that would affect the quality of the data."

Julie Darrow

Name (printed)



Signature

10/30/07

Date

Project Manager

Official Title (printed)

**TestAmerica Corpus Christi**  
**TCEQ Laboratory Review Checklist – Reportable Data**

Page 1 of 3

|                            |                                             |
|----------------------------|---------------------------------------------|
| LRC Date: October 30, 2007 | Laboratory Job Number: 560-7038-1           |
| Reviewer: Julie Darrow     | Project Name/Number: Eunice Landfarm 6-0108 |

| # <sup>1</sup> | A <sup>2</sup> | Description                                                                                                                      | Yes | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
|----------------|----------------|----------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| R1             | OI             | <b>CHAIN-OF-CUSTODY (C-O-C)</b>                                                                                                  |     |    |                 |                 |                  |
|                |                | 1) Did all samples meet the laboratory's standard conditions of sample acceptability upon receipt?                               | X   |    |                 |                 |                  |
|                |                | 2) Were all departures from standard conditions described in an exception report or case narrative?                              | X   |    |                 |                 |                  |
| R2             | OI             | <b>SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION</b>                                                                            |     |    |                 |                 |                  |
|                |                | 1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?                                                | X   |    |                 |                 |                  |
|                |                | 2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?                                                  | X   |    |                 |                 |                  |
| R3             | OI             | <b>TEST REPORTS</b>                                                                                                              |     |    |                 |                 |                  |
|                |                | 1) Were all samples prepared and analyzed within holding time?                                                                   | X   |    |                 |                 |                  |
|                |                | 2) Other than those results <MQL, were all other raw values bracketed by calibration standards?                                  | X   |    |                 |                 |                  |
|                |                | 3) Were calculations checked by a peer or supervisor?                                                                            | X   |    |                 |                 |                  |
|                |                | 4) Were all analyte identifications checked by a peer or supervisor?                                                             | X   |    |                 |                 |                  |
|                |                | 5) Were sample quantitation limits reported for all analytes not detected?                                                       | X   |    |                 |                 |                  |
|                |                | 6) Were all results for soil and sediment samples reported on a dry weight basis?                                                | X   |    |                 |                 |                  |
|                |                | 7) Were %moisture (or solids) reported for all soil and sediment samples?                                                        | X   |    |                 |                 |                  |
|                |                | 8) If required for the project, TICs reported?                                                                                   |     |    | X               |                 |                  |
| R4             | O              | <b>SURROGATE RECOVERY DATA</b>                                                                                                   |     |    |                 |                 |                  |
|                |                | 1) Were surrogates added prior to extraction?                                                                                    | X   |    |                 |                 |                  |
|                |                | 2) Were surrogate percent recoveries in all samples within the laboratory QC limits?                                             | X   |    |                 |                 |                  |
| R5             | OI             | <b>TEST REPORTS/SUMMARY FORMS FOR BLANK SAMPLES</b>                                                                              |     |    |                 |                 |                  |
|                |                | 1) Were appropriate type(s) of blanks analyzed?                                                                                  | X   |    |                 |                 |                  |
|                |                | 2) Were blanks analyzed at the appropriate frequency?                                                                            | X   |    |                 |                 |                  |
|                |                | 3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? | X   |    |                 |                 |                  |
|                |                | 4) Were blank concentrations <MQL?                                                                                               | X   |    |                 |                 |                  |
| R6             | OI             | <b>LABORATORY CONTROL SAMPLES (LCS)</b>                                                                                          |     |    |                 |                 |                  |
|                |                | 1) Were all COCs included in the LCS?                                                                                            | X   |    |                 |                 |                  |
|                |                | 2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?                                 | X   |    |                 |                 |                  |
|                |                | 3) Were LCSs analyzed at the required frequency?                                                                                 | X   |    |                 |                 |                  |
|                |                | 4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?                                                       | X   |    |                 |                 |                  |
|                |                | 5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?    | X   |    |                 |                 |                  |
|                |                | 6) Was the LCSD RPD within QC limits?                                                                                            | X   |    |                 |                 |                  |
| R7             | OI             | <b>MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA</b>                                                                   |     |    |                 |                 |                  |
|                |                | 1) Were the project/method specified analytes included in the MS and MSD?                                                        | X   |    |                 |                 |                  |
|                |                | 2) Were MS/MSD analyzed at the appropriate frequency?                                                                            | X   |    |                 |                 |                  |
|                |                | 3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?                                                         |     | X  |                 |                 | 1                |
| 4              |                | 4) Were MS/MSD RPDs within laboratory QC limits?                                                                                 | X   |    |                 |                 |                  |
| R8             | OI             | <b>ANALYTICAL DUPLICATE DATA</b>                                                                                                 |     |    |                 |                 |                  |
|                |                | 1) Were appropriate analytical duplicates analyzed for each matrix?                                                              | X   |    |                 |                 |                  |
|                |                | 2) Were analytical duplicates analyzed at the appropriate frequency?                                                             | X   |    |                 |                 |                  |
|                |                | 3) Were RPDs or relative standard deviations within the laboratory QC limits?                                                    | X   |    |                 |                 |                  |
| R9             | OI             | <b>METHOD QUANTITATION LIMITS (MQLs)</b>                                                                                         |     |    |                 |                 |                  |
|                |                | 1) Are the MQLs for each method analyte listed and included in the laboratory data package?                                      | X   |    |                 |                 |                  |
|                |                | 2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?                                      | X   |    |                 |                 |                  |
|                |                | 3) Are unadjusted MQLs included in the laboratory data package?                                                                  | X   |    |                 |                 |                  |
| R10            | OI             | <b>OTHER PROBLEMS/ANOMALIES</b>                                                                                                  |     |    |                 |                 |                  |
|                |                | 1) Are all known problems/anomalies/special conditions noted in this LRC, ER, or case narrative?                                 | X   |    |                 |                 |                  |
|                |                | 2) Were all necessary corrective actions performed for the reported data?                                                        | X   |    |                 |                 |                  |
|                |                | 3) If requested, is the justification for elevated SQLs documented?                                                              | X   |    |                 |                 |                  |

**TestAmerica Corpus Christi**  
**TCEQ Laboratory Review Checklist – Supporting Data**  
Page 2 of 3

|                            |                                             |
|----------------------------|---------------------------------------------|
| LRC Date: October 30, 2007 | Laboratory Job Number: 560-7038-1           |
| Reviewer: Julie Darrow     | Project Name/Number: Eunice Landfarm 6-0108 |

| # <sup>1</sup> | A <sup>2</sup> | Description                                                                                                                                           | Yes | No | NA <sup>3</sup> | NR <sup>4</sup> | ER# <sup>5</sup> |
|----------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------|-----------------|------------------|
| <b>S1</b>      | <b>OI</b>      | <b>INITIAL CALIBRATION (ICAL)</b>                                                                                                                     |     |    |                 |                 |                  |
|                |                | 1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits?                                         | X   |    |                 |                 |                  |
|                |                | 2) Were percent RSDs or correlation coefficient criteria met?                                                                                         | X   |    |                 |                 |                  |
|                |                | 3) Was the number of standards recommended in the method used for all analytes?                                                                       | X   |    |                 |                 |                  |
|                |                | 4) Were all points generated between the lowest and highest standard used to calculate the curve?                                                     | X   |    |                 |                 |                  |
|                |                | 5) Are ICAL data available for all instruments used?                                                                                                  | X   |    |                 |                 |                  |
|                |                | 6) Has the initial calibration curve been verified using an appropriate second source standard?                                                       | X   |    |                 |                 |                  |
| <b>S2</b>      | <b>OI</b>      | <b>INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICV and CCV)</b>                                                                                  |     |    |                 |                 |                  |
|                |                | 1) Was the CCV analyzed at the method-required frequency?                                                                                             | X   |    |                 |                 |                  |
|                |                | 2) Were percent differences for each analytes within the method-required QC limits?                                                                   | X   |    |                 |                 |                  |
|                |                | 3) Was the ICAL curve verified for each analyte?                                                                                                      | X   |    |                 |                 |                  |
|                |                | 4) Was the absolute value of the analyte concentration in the inorganic CCB <MDL?                                                                     | X   |    |                 |                 |                  |
| <b>S3</b>      | <b>O</b>       | <b>MASS SPECTRAL TUNING</b>                                                                                                                           |     |    |                 |                 |                  |
|                |                | 1) Was the appropriate compound for the method used for tuning?                                                                                       | X   |    |                 |                 |                  |
|                |                | 2) Were ion abundance data within the method-required QC limits?                                                                                      | X   |    |                 |                 |                  |
| <b>S4</b>      | <b>O</b>       | <b>INTERNAL STANDARDS (IS)</b>                                                                                                                        |     |    |                 |                 |                  |
|                |                | 1) Were IS area counts and retention times within the method-required QC limits?                                                                      | X   |    |                 |                 |                  |
| <b>S5</b>      | <b>OI</b>      | <b>RAW DATA (NELAC SECTION I APPENDIX A GLOSSARY, AND SECTION 5.12)</b>                                                                               |     |    |                 |                 |                  |
|                |                | 1) Were the raw data (e.g. chromatograms, spectral data) reviewed by an analyst?                                                                      | X   |    |                 |                 |                  |
|                |                | 2) Were data associated with manual integrations flagged on the raw data?                                                                             |     |    | X               |                 |                  |
| <b>S6</b>      | <b>O</b>       | <b>DUAL COLUMN CONFIRMATION</b>                                                                                                                       |     |    |                 |                 |                  |
|                |                | 1) Did dual column confirmation results meet the method-required QC?                                                                                  |     |    | X               |                 |                  |
| <b>S7</b>      | <b>O</b>       | <b>TENTATIVELY IDENTIFIED COMPOUNDS (TICs)</b>                                                                                                        |     |    |                 |                 |                  |
|                |                | 1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?                                                          |     |    | X               |                 |                  |
| <b>S8</b>      | <b>I</b>       | <b>INTERFERENCE CHECK SAMPLE (ICS) RESULTS</b>                                                                                                        |     |    |                 |                 |                  |
|                |                | 1) Were percent recoveries within method QC limits?                                                                                                   | X   |    |                 |                 |                  |
| <b>S9</b>      | <b>I</b>       | <b>SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD ADDITION</b>                                                                       |     |    |                 |                 |                  |
|                |                | 1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?                                              |     | X  |                 |                 | 2                |
| <b>S10</b>     | <b>OI</b>      | <b>PROFICIENCY TEST REPORTS</b>                                                                                                                       |     |    |                 |                 |                  |
|                |                | 1) Are proficiency testing or interlaboratory comparison results on file?                                                                             | X   |    |                 |                 |                  |
| <b>S11</b>     | <b>OI</b>      | <b>METHOD DETECTION LIMIT (MDL) STUDIES</b>                                                                                                           |     |    |                 |                 |                  |
|                |                | 1) Was a MDL study performed for each reported analyte?                                                                                               | X   |    |                 |                 |                  |
|                |                | 2) Is the MDL either adjusted or supported by the analysis of DCS?                                                                                    | X   |    |                 |                 |                  |
| <b>S12</b>     | <b>OI</b>      | <b>STANDARDS DOCUMENTATION</b>                                                                                                                        |     |    |                 |                 |                  |
|                |                | 1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?                                                  | X   |    |                 |                 |                  |
| <b>S13</b>     | <b>OI</b>      | <b>COMPOUND/ANALYTE IDENTIFICATION PROCEDURES</b>                                                                                                     |     |    |                 |                 |                  |
|                |                | 1) Are the procedures for compound/analyte identification documented?                                                                                 | X   |    |                 |                 |                  |
| <b>S14</b>     | <b>OI</b>      | <b>DEMONSTRATION OF ANALYST COMPETENCY (DOC)</b>                                                                                                      |     |    |                 |                 |                  |
|                |                | 1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2?                                                                                       | X   |    |                 |                 |                  |
|                |                | 2) Is documentation of the analyst's competency up-to-date and on file?                                                                               | X   |    |                 |                 |                  |
| <b>S15</b>     | <b>OI</b>      | <b>VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS</b>                                                                                              |     |    |                 |                 |                  |
|                |                | 1) Are all the methods used to generate the data documented, verified, and validated, where applicable (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)? | X   |    |                 |                 |                  |
| <b>S16</b>     | <b>OI</b>      | <b>LABORATORY STANDARD OPERATING PROCEDURES (SOPs)</b>                                                                                                |     |    |                 |                 |                  |
|                |                | 1) Are laboratory SOPs current and on file for each method performed?                                                                                 | X   |    |                 |                 |                  |

**TestAmerica Corpus Christi**  
**TCEQ Laboratory Review Checklist – Exception Reports**  
Page 3 of 3

|                            |                                             |
|----------------------------|---------------------------------------------|
| LRC Date: October 30, 2007 | Laboratory Job Number: 560-7038-1           |
| Reviewer: Julie Darrow     | Project Name/Number: Eunice Landfarm 6-0108 |

| ER# <sup>5</sup> | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                | <p>EPA Method 6010B (QC Batch #560-16422): The percent recovery results for the matrix spike and matrix spike duplicate associated with this batch were outside the acceptance criteria for various analytes; however, the spiked sample was not from this job. The method blank and LCS were within acceptable limits and the data are therefore reported.</p> <p>EPA Method 7471 (QC Batch #560-16626): The percent recovery results for the matrix spike and matrix spike duplicate associated with this batch were outside the acceptance criteria for mercury; however, the spiked sample was not from this job. The method blank and LCS were within acceptable limits and the data are therefore reported.</p> |
| 2                | EPA Method 6020 (QC Batch #560-16747 ): The serial dilution associated with this batch and sample 560-7038-1 was outside the acceptance criteria for magnesium (14%). All samples were reported at concentrations greater than 10x the reporting limit for magnesium. All other quality control was within acceptable limits and the data are therefore reported.                                                                                                                                                                                                                                                                                                                                                     |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

- 1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s).  
Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
- 2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable)
- 3 NA = Not applicable
- 4 NR = Not reviewed
- 5 ER# = Exception Report identification number (an Exception Report should be completed for an it
- 6 and "NR" or "No" is checked)

## METHOD SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

| Description                                                            | Lab Location | Method      | Preparation Method |
|------------------------------------------------------------------------|--------------|-------------|--------------------|
| <b>Matrix: Solid</b>                                                   |              |             |                    |
| GRO by 8015M                                                           | TAL PEN      | SW846 8015M |                    |
| Closed System Purge & Trap/Field Preservation                          | TAL PEN      |             | SW846 5035         |
| Aromatic and Halogenated VOCs by Gas Chromatography using PID or ELCD  | TAL CC       | SW846 8021B |                    |
| Purge and Trap for Solids                                              | TAL CC       |             | SW846 5030B        |
| Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics) | TAL CC       | SW846 8015B |                    |
| Ultrasonic Extraction                                                  | TAL CC       |             | SW846 3550B        |
| Inductively Coupled Plasma - Atomic Emission Spectrometry              | TAL CC       | SW846 6010B |                    |
| Acid Digestion of Sediments, Sludges, and Soils                        | TAL CC       |             | SW846 3050B        |
| Inductively Coupled Plasma - Mass Spectrometry                         | TAL CC       | SW846 6020  |                    |
| Acid Digestion of Sediments, Sludges, and Soils                        | TAL CC       |             | SW846 3050B        |
| Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)      | TAL CC       | SW846 7471A |                    |
| Mercury in Solid or Semi-Solid Waste (Manual Cold Vapor Technique)     | TAL CC       |             | SW846 7471A        |
| Anions by Ion Chromatography                                           | TAL CC       | MCAWW 300.0 |                    |
| Deionized Water Leaching Procedure (Routine)                           | TAL CC       |             | ASTM DI Leach      |

### Lab References:

TAL CC = TestAmerica Corpus Christi

TAL PEN = TestAmerica Pensacola

### Method References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## METHOD / ANALYST SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

| Method              | Analyst           | Analyst ID |
|---------------------|-------------------|------------|
| SW846 8015M         | Potts, Charles    | CP         |
| SW846 8021B         | Haas, Richard     | RH         |
| SW846 8015B         | Cady, Iryna M     | IMC        |
| SW846 6010B         | Mathewson, John E | JEM        |
| SW846 6020          | Theriault, Ray    | RT         |
| SW846 7471A         | Reyes, Eddie D    | EDR        |
| MCAWW 300.0         | Alvarez, Tracy L  | TLA        |
| EPA PercentMoisture | Vela, Omar        | OV         |



## SAMPLE SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time<br>Sampled | Date/Time<br>Received |
|---------------|------------------|---------------|----------------------|-----------------------|
| 560-7038-1    | Cell 2D (2-3)    | Solid         | 10/12/2007 0935      | 10/16/2007 0820       |
| 560-7038-2    | Cell 2C (2-3)    | Solid         | 10/12/2007 0855      | 10/16/2007 0820       |
|               | BACKGROUND       |               |                      |                       |
| 560-7038-3    | Cell 2C (2-3)    | Solid         | 10/12/2007 0915      | 10/16/2007 0820       |
| 560-7038-4    | Cell 1A (2-3)    | Solid         | 10/12/2007 1015      | 10/16/2007 0820       |
| 560-7038-5    | Cell 1A-1 (2-3)  | Solid         | 10/12/2007 1035      | 10/16/2007 0820       |
| 560-7038-6    | Cell 1B (2-3)    | Solid         | 10/12/2007 1100      | 10/16/2007 0820       |
| 560-7038-7    | Cell 1C (2-3)    | Solid         | 10/12/2007 1130      | 10/16/2007 0820       |

# **SAMPLE RESULTS**

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1      SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 2D (2-3)

Lab Sample ID: 560-7038-1      Date Sampled: 10/12/2007 9:35  
 Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                                                                    | CAS #      | RESULT   | Q | FLAG | MDL   | MQL   | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|--------------------------------------------------------------------------------|------------|----------|---|------|-------|-------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3050B,Solid</b>                                               |            |          |   |      |       |       |       |       |                    |       |      |         |
| Acid Digestion of Sediments, Sludges, and Soils                                | NA         | Complete |   |      |       |       |       | NA    | 10/17/2007 10:13   | 16747 | 20   | RM      |
| Acid Digestion of Sediments, Sludges, and Soils                                | NA         | Complete |   |      |       |       |       | NA    | 10/17/2007 10:13   | 16450 | 1    | RM      |
| <b>Method: SW846 3550B,Solid</b>                                               |            |          |   |      |       |       |       |       |                    |       |      |         |
| Ultrasonic Extraction                                                          | NA         | Complete |   |      |       |       |       | NA    | 10/18/2007 11:00   | 16549 | 1    | LPM     |
| <b>Method: SW846 5030B,Solid</b>                                               |            |          |   |      |       |       |       |       |                    |       |      |         |
| Purge and Trap for Solids                                                      | NA         | Complete |   |      |       |       |       | NA    | 10/18/2007 9:44    | 16539 | 1    |         |
| <b>Method: SW846 5035,Solid</b>                                                |            |          |   |      |       |       |       |       |                    |       |      |         |
| Closed System Purge & Trap/Field Preservation                                  | NA         | Complete |   |      |       |       |       | NA    | 10/22/2007 17:44   | 57859 | 1    | CP      |
| <b>Method: SW846 7471A,Solid</b>                                               |            |          |   |      |       |       |       |       |                    |       |      |         |
| Mercury in Solid or Semi-Solid Waste (Manual Cold Vapor Technique)/Preparation | NA         | Complete |   |      |       |       |       | NA    | 10/19/2007 13:00   | 16626 | 1    | EDR     |
| <b>Method: MCAWW 300.0,Solid,Soluble</b>                                       |            |          |   |      |       |       |       |       |                    |       |      |         |
| Chloride                                                                       | 16887-00-6 | 6.1      |   |      | 1.4   | 5.0   | 1.4   | mg/Kg | 10/18/2007 10:15   | 16511 | 1    | TLA     |
| <b>Method: EPA PercentMoisture,Solid</b>                                       |            |          |   |      |       |       |       |       |                    |       |      |         |
| Percent Moisture                                                               | STL00177   | 9.6      |   |      | 0.010 | 0.010 | 0.010 | %     | 10/16/2007 14:00   | 16416 | 1    | OV      |
| Percent Solids                                                                 | STL00234   | 90       |   |      | 0.010 | 0.010 | 0.010 | %     | 10/16/2007 14:00   | 16416 | 1    | OV      |
| <b>Method: SW846 6010B,Solid</b>                                               |            |          |   |      |       |       |       |       |                    |       |      |         |
| Ag                                                                             | 7440-22-4  | 0.42     | J |      | 0.12  | 0.50  | 0.11  | mg/Kg | 10/17/2007 17:55   | 16450 | 1    | JEM     |
| As                                                                             | 7440-38-2  | 3.8      |   |      | 1.0   | 1.3   | 0.94  | mg/Kg | 10/17/2007 17:55   | 16450 | 1    | JEM     |
| Ba                                                                             | 7440-39-3  | 300      |   |      | 0.50  | 1.0   | 0.47  | mg/Kg | 10/17/2007 17:55   | 16450 | 1    | JEM     |
| Cd                                                                             | 7440-43-9  | 0.24     | U |      | 0.25  | 0.50  | 0.24  | mg/Kg | 10/17/2007 17:55   | 16450 | 1    | JEM     |
| Cr                                                                             | 7440-47-3  | 3.2      |   |      | 0.25  | 1.0   | 0.24  | mg/Kg | 10/17/2007 17:55   | 16450 | 1    | JEM     |
| Pb                                                                             | 7439-92-1  | 1.1      |   |      | 0.50  | 1.0   | 0.47  | mg/Kg | 10/17/2007 17:55   | 16450 | 1    | JEM     |

# Analytical Data

Client: Larson & Associates, Inc.      Job Number: 560-7038-1  
 Project: Eunice      SDG Number: Eunice Landfarm Sampling

ATTN: Ms. Michelle Green

Client Sample ID: Cell 2D (2-3)

Lab Sample ID: 560-7038-1      Date Sampled: 10/12/2007 9:35  
 Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                        | CAS #     | RESULT | Q | FLAG | MDL   | MQL  | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|------------------------------------|-----------|--------|---|------|-------|------|-------|-------|--------------------|-------|------|---------|
| Se                                 | 7782-49-2 | 0.90   | J |      | 0.65  | 1.3  | 0.61  | mg/Kg | 10/17/2007 17:55   | 16450 | 1    | JEM     |
| <b>Method: SW846 6020, Solid</b>   |           |        |   |      |       |      |       |       |                    |       |      |         |
| K                                  | 7440-09-7 | 720    |   |      | 1.0   | 2.5  | 19    | mg/Kg | 10/26/2007 0:19    | 16747 | 20   | RT      |
| Mg                                 | 7439-95-4 | 6300   |   |      | 1.0   | 2.5  | 19    | mg/Kg | 10/26/2007 0:19    | 16747 | 20   | RT      |
| Na                                 | 7440-23-5 | 96     |   |      | 2.0   | 5.0  | 38    | mg/Kg | 10/26/2007 0:19    | 16747 | 20   | RT      |
| <b>Method: SW846 7471A, Solid</b>  |           |        |   |      |       |      |       |       |                    |       |      |         |
| Mercury                            | 7439-97-6 | 0.032  | U |      | 0.042 | 0.20 | 0.032 | mg/Kg | 10/22/2007 14:43   | 16626 | 1    | EDR     |
| <b>Method: SW846 8015B, Solid</b>  |           |        |   |      |       |      |       |       |                    |       |      |         |
| Diesel Range Organics<br>[C10-C28] | STL00143  | 4.6    | U |      | 4.2   | 10   | 4.6   | mg/Kg | 10/19/2007 11:00   | 16549 | 1    | IMC     |
| <b>Surrogates</b>                  |           |        |   |      |       |      |       |       |                    |       |      |         |

| Test Method | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| o-Terphenyl | 84-15-1    |         | 1        | 8.0    | 9.22       | 87     | 29-140    |         | 16505      | SVGC#4     | 10/19/2007 11:00:00 | IMC     |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1      SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 2D (2-3)

Lab Sample ID: 560-7038-1      Date Sampled: 10/12/2007 9:35  
 Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                          | CAS #     | RESULT | Q | FLAG | MDL   | MQL  | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|--------------------------------------|-----------|--------|---|------|-------|------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8015M, Solid</b>    |           |        |   |      |       |      |       |       |                    |       |      |         |
| Gasoline Range Organics (GRO)-C6-C10 | 8006-61-9 | 0.59   |   |      | 0.033 | 0.10 | 0.036 | mg/Kg | 10/22/2007 23:57   | 57859 | 1    | CP      |
| <b>Surrogates</b>                    |           |        |   |      |       |      |       |       |                    |       |      |         |
| Dry Weight Corrected?: Y             |           |        |   |      |       |      |       |       |                    |       |      |         |

| Test Method                  | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|------------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| a,a,a-Trifluorotoluene (fid) | 98-08-8    |         | 1        | 0.056  | 0.0548     | 102    | 60-134    |         | 57856      | BETTE      | 10/22/2007 11:57:00 | CP      |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice ATTN: Ms. Michelle Green Job Number: 560-7038-1  
 Client Sample ID: Cell 2D (2-3) SDG Number: Eunice Landfarm Sampling

Lab Sample ID: 560-7038-1 Date Sampled: 10/12/2007 9:35  
 Client Matrix: Solid Date Received: 10/16/2007 8:20

| TEST METHOD                       | CAS #     | RESULT | Q | FLAG | MDL    | MQL    | SQL    | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------|-----------|--------|---|------|--------|--------|--------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8021B, Solid</b> |           |        |   |      |        |        |        |       |                    |       |      |         |
| Benzene                           | 71-43-2   | 0.0018 | U |      | 0.0019 | 0.0050 | 0.0018 | mg/Kg | 10/18/2007 9:44    | 16539 | 1    | RH      |
| Ethylbenzene                      | 100-41-4  | 0.0021 | U |      | 0.0022 | 0.0050 | 0.0021 | mg/Kg | 10/18/2007 9:44    | 16539 | 1    | RH      |
| Toluene                           | 108-88-3  | 0.0020 | U |      | 0.0021 | 0.0050 | 0.0020 | mg/Kg | 10/18/2007 9:44    | 16539 | 1    | RH      |
| Xylenes, Total                    | 1330-20-7 | 0.0064 | U |      | 0.0067 | 0.015  | 0.0064 | mg/Kg | 10/18/2007 9:44    | 16539 | 1    | RH      |
| <b>Surrogates</b>                 |           |        |   |      |        |        |        |       |                    |       |      |         |
| Dry Weight Corrected?: Y          |           |        |   |      |        |        |        |       |                    |       |      |         |

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.015  | 0.0193     | 77     | 51-127    |         |            | VGC#2      | 10/18/2007 9:44:00, | RH      |
| Trifluorotoluene (Surr)     | 98-08-8    |         | 1        | 0.018  | 0.0193     | 94     | 50-129    |         |            | VGC#2      | 10/18/2007 9:44:00, | RH      |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1      SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 2D (2-3)

Lab Sample ID: 560-7038-1 DIL      Date Sampled: 10/12/2007 9:35  
 Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                                     | CAS #     | RESULT   | Q | FLAG | MDL | MQL | SQL | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-------------------------------------------------|-----------|----------|---|------|-----|-----|-----|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3050B, Solid</b>               |           |          |   |      |     |     |     |       |                    |       |      |         |
| Acid Digestion of Sediments, Sludges, and Soils | NA        | Complete |   |      |     |     |     | NA    | 10/17/2007 10:13   | 16792 | 100  | RM      |
| <b>Method: SW846 6020, Solid</b>                |           |          |   |      |     |     |     |       |                    |       |      |         |
| Ca                                              | 7440-70-2 | 190000   |   |      | 1.0 | 2.5 | 94  | mg/Kg | 10/26/2007 14:12   | 16792 | 100  | RT      |

Dry Weight Corrected?: N

Dry Weight Corrected?: N

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice ATTN: Ms. Michelle Green

Job Number: 560-7038-1  
SDG Number: Eunice Landfarm Sampling

## Client Sample ID: Cell 2C (2-3) BACKGROUND

Lab Sample ID: 560-7038-2 Date Sampled: 10/12/2007 8:55  
Client Matrix: Solid Date Received: 10/16/2007 8:20

| TEST METHOD                                                                    | CAS #      | RESULT   | Q | FLAG | MDL   | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|--------------------------------------------------------------------------------|------------|----------|---|------|-------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3050B,Solid</b>                                               |            |          |   |      |       |       |       |                    |       |      |         |
| Acid Digestion of Sediments, Sludges, and Soils                                | NA         | Complete |   |      |       |       | NA    | 10/17/2007 10:13   | 16747 | 20   | RM      |
| Acid Digestion of Sediments, Sludges, and Soils                                | NA         | Complete |   |      |       |       | NA    | 10/17/2007 10:13   | 16450 | 1    | RM      |
| <b>Method: SW846 3550B,Solid</b>                                               |            |          |   |      |       |       |       |                    |       |      |         |
| Ultrasonic Extraction                                                          | NA         | Complete |   |      |       |       | NA    | 10/18/2007 11:00   | 16549 | 1    | LPM     |
| <b>Method: SW846 5030B,Solid</b>                                               |            |          |   |      |       |       |       |                    |       |      |         |
| Purge and Trap for Solids                                                      | NA         | Complete |   |      |       |       | NA    | 10/18/2007 10:12   | 16539 | 1    |         |
| <b>Method: SW846 5035,Solid</b>                                                |            |          |   |      |       |       |       |                    |       |      |         |
| Closed System Purge & Trap/Field Preservation                                  | NA         | Complete |   |      |       |       | NA    | 10/22/2007 17:44   | 57859 | 1    | CP      |
| <b>Method: SW846 7471A,Solid</b>                                               |            |          |   |      |       |       |       |                    |       |      |         |
| Mercury in Solid or Semi-Solid Waste (Manual Cold Vapor Technique)/Preparation | NA         | Complete |   |      |       |       | NA    | 10/19/2007 13:00   | 16626 | 1    | EDR     |
| <b>Method: MCAWW 300.0,Solid,Soluble</b>                                       |            |          |   |      |       |       |       |                    |       |      |         |
| Chloride                                                                       | 16887-00-6 | 6.0      |   |      | 1.4   | 5.0   | 1.4   | 10/18/2007 10:15   | 16511 | 1    | TLA     |
| <b>Method: EPA PercentMoisture,Solid</b>                                       |            |          |   |      |       |       |       |                    |       |      |         |
| Percent Moisture                                                               | STL00177   | 6.7      |   |      | 0.010 | 0.010 | %     | 10/16/2007 14:00   | 16416 | 1    | OV      |
| Percent Solids                                                                 | STL00234   | 93       |   |      | 0.010 | 0.010 | %     | 10/16/2007 14:00   | 16416 | 1    | OV      |
| <b>Method: SW846 6010B,Solid</b>                                               |            |          |   |      |       |       |       |                    |       |      |         |
| Ag                                                                             | 7440-22-4  | 0.32     | J |      | 0.12  | 0.50  | mg/Kg | 10/17/2007 17:58   | 16450 | 1    | JEM     |
| As                                                                             | 7440-38-2  | 4.4      |   |      | 1.0   | 1.3   | mg/Kg | 10/17/2007 17:58   | 16450 | 1    | JEM     |
| Ba                                                                             | 7440-39-3  | 500      |   |      | 0.50  | 1.0   | mg/Kg | 10/17/2007 17:58   | 16450 | 1    | JEM     |
| Cd                                                                             | 7440-43-9  | 0.25     | U |      | 0.25  | 0.50  | mg/Kg | 10/17/2007 17:58   | 16450 | 1    | JEM     |
| Cr                                                                             | 7440-47-3  | 1.9      |   |      | 0.25  | 1.0   | mg/Kg | 10/17/2007 17:58   | 16450 | 1    | JEM     |
| Pb                                                                             | 7439-92-1  | 0.63     | J |      | 0.50  | 1.0   | mg/Kg | 10/17/2007 17:58   | 16450 | 1    | JEM     |



# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1      SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 2C (2-3) BACKGROUND

Lab Sample ID: 560-7038-2      Date Sampled: 10/12/2007 8:55  
 Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                       | CAS #     | RESULT | Q | FLAG | MDL   | SQL  | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------|-----------|--------|---|------|-------|------|-------|--------------------|-------|------|---------|
| Se                                | 7782-49-2 | 1.4    |   |      | 0.65  | 1.3  | 0.65  | 10/17/2007 17:58   | 16450 | 1    | JEM     |
| <b>Method: SW846 6020, Solid</b>  |           |        |   |      |       |      |       |                    |       |      |         |
| K                                 | 7440-09-7 | 490    |   |      | 1.0   | 2.5  | 20    | 10/26/2007 0:25    | 16747 | 20   | RT      |
| Mg                                | 7439-95-4 | 5400   |   |      | 1.0   | 2.5  | 20    | 10/26/2007 0:25    | 16747 | 20   | RT      |
| Na                                | 7440-23-5 | 100    |   |      | 2.0   | 5.0  | 40    | 10/26/2007 0:25    | 16747 | 20   | RT      |
| <b>Method: SW846 7471A, Solid</b> |           |        |   |      |       |      |       |                    |       |      |         |
| Mercury                           | 7439-97-6 | 0.032  | U |      | 0.042 | 0.20 | 0.032 | 10/22/2007 14:45   | 16626 | 1    | EDR     |
| <b>Method: SW846 8015B, Solid</b> |           |        |   |      |       |      |       |                    |       |      |         |
| Diesel Range Organics [C10-C28]   | STL00143  | 4.5    | U |      | 4.2   | 10   | 4.5   | 10/19/2007 11:26   | 16549 | 1    | IMC     |
| <b>Surrogates</b>                 |           |        |   |      |       |      |       |                    |       |      |         |

| Test Method | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| o-Terphenyl | 84-15-1    |         | 1        | 9.3    | 8.93       | 104    | 29-140    |         | 16505      | SVGC#4     | 10/19/2007 11:26:00 | IMC     |

# Analytical Data

Client: Larson & Associates, Inc.      Job Number: 560-7038-1  
 Project: Eunice      SDG Number: Eunice Landfarm Sampling

ATTN: Ms. Michelle Green

## Client Sample ID: Cell 2C (2-3) BACKGROUND

Lab Sample ID: 560-7038-2      Date Sampled: 10/12/2007 8:55  
 Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                          | CAS #     | RESULT | Q | FLAG | MDL   | MQL  | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|--------------------------------------|-----------|--------|---|------|-------|------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8015M,Solid</b>     |           |        |   |      |       |      |       |       |                    |       |      |         |
| Gasoline Range Organics (GRO)-C6-C10 | 8006-61-9 | 0.18   |   |      | 0.033 | 0.10 | 0.036 | mg/Kg | 10/23/2007 0:56    | 57859 | 1    | CP      |
| <b>Surrogates</b>                    |           |        |   |      |       |      |       |       |                    |       |      |         |

| Test Method                  | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|------------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| a,a,a-Trifluorotoluene (fid) | 98-08-8    |         | 1        | 0.054  | 0.0540     | 101    | 60-134    |         | 57856      | BETTE      | 10/23/2007 12:56:00 | CP      |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice ATTN: Ms. Michelle Green Job Number: 560-7038-1  
 Client Sample ID: Cell 2C (2-3) BACKGROUND SDG Number: Eunice Landfarm Sampling

Lab Sample ID: 560-7038-2 Date Sampled: 10/12/2007 8:55  
 Client Matrix: Solid Date Received: 10/16/2007 8:20

| TEST METHOD                       | CAS #     | RESULT | Q | FLAG | MDL    | SQL    | UNITS  | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------|-----------|--------|---|------|--------|--------|--------|--------------------|-------|------|---------|
| <b>Method: SW846 8021B, Solid</b> |           |        |   |      |        |        |        |                    |       |      |         |
| Benzene                           | 71-43-2   | 0.0018 | U |      | 0.0019 | 0.0050 | 0.0018 | 10/18/2007 10:12   | 16539 | 1    | RH      |
| Ethylbenzene                      | 100-41-4  | 0.0021 | U |      | 0.0022 | 0.0050 | 0.0021 | 10/18/2007 10:12   | 16539 | 1    | RH      |
| Toluene                           | 108-88-3  | 0.0019 | U |      | 0.0021 | 0.0050 | 0.0019 | 10/18/2007 10:12   | 16539 | 1    | RH      |
| Xylenes, Total                    | 1330-20-7 | 0.0062 | U |      | 0.0067 | 0.015  | 0.0062 | 10/18/2007 10:12   | 16539 | 1    | RH      |

## Surrogates

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.014  | 0.0186     | 77     | 51-127    |         |            | VGC#2      | 10/18/2007 10:12:00 | RH      |
| Trifluorotoluene (Surr)     | 98-08-8    |         | 1        | 0.018  | 0.0186     | 95     | 50-129    |         |            | VGC#2      | 10/18/2007 10:12:00 | RH      |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice ATTN: Ms. Michelle Green Job Number: 560-7038-1  
 Client Sample ID: Cell 2C (2-3) BACKGROUND SDG Number: Eunice Landfarm Sampling

Lab Sample ID: 560-7038-2 DIL Date Sampled: 10/12/2007 8:55  
 Client Matrix: Solid Date Received: 10/16/2007 8:20

| TEST METHOD                                     | CAS #     | RESULT   | Q | FLAG | MDL | SQL | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-------------------------------------------------|-----------|----------|---|------|-----|-----|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3050B, Solid</b>               |           |          |   |      |     |     |       |                    |       |      |         |
| Acid Digestion of Sediments, Sludges, and Soils | NA        | Complete |   |      |     |     | NA    | 10/17/2007 10:13   | 16792 | 100  | RM      |
| <b>Method: SW846 6020, Solid</b>                |           |          |   |      |     |     |       |                    |       |      |         |
| Ca                                              | 7440-70-2 | 210000   |   |      | 1.0 | 2.5 | 100   | 10/26/2007 14:19   | 16792 | 100  | RT      |

Dry Weight Corrected?: N

Dry Weight Corrected?: N

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1  
SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 2C (2-3)

Lab Sample ID: 560-7038-3      Date Sampled: 10/12/2007 9:15  
Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                                                                    | CAS #      | RESULT   | Q | FLAG | MDL   | MQL   | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|--------------------------------------------------------------------------------|------------|----------|---|------|-------|-------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3050B, Solid</b>                                              |            |          |   |      |       |       |       |       |                    |       |      |         |
| Acid Digestion of Sediments, Sludges, and Soils                                | NA         | Complete |   |      |       |       |       | NA    | 10/17/2007 10:13   | 16747 | 20   | RM      |
| Acid Digestion of Sediments, Sludges, and Soils                                | NA         | Complete |   |      |       |       |       | NA    | 10/17/2007 10:13   | 16450 | 1    | RM      |
| <b>Method: SW846 3550B, Solid</b>                                              |            |          |   |      |       |       |       |       |                    |       |      |         |
| Ultrasonic Extraction                                                          | NA         | Complete |   |      |       |       |       | NA    | 10/18/2007 11:00   | 16549 | 1    | LPM     |
| <b>Method: SW846 5030B, Solid</b>                                              |            |          |   |      |       |       |       |       |                    |       |      |         |
| Purge and Trap for Solids                                                      | NA         | Complete |   |      |       |       |       | NA    | 10/18/2007 10:40   | 16539 | 1    |         |
| <b>Method: SW846 5035, Solid</b>                                               |            |          |   |      |       |       |       |       |                    |       |      |         |
| Closed System Purge & Trap/Field Preservation                                  | NA         | Complete |   |      |       |       |       | NA    | 10/22/2007 17:44   | 57859 | 1    | CP      |
| <b>Method: SW846 7471A, Solid</b>                                              |            |          |   |      |       |       |       |       |                    |       |      |         |
| Mercury in Solid or Semi-Solid Waste (Manual Cold Vapor Technique)/Preparation | NA         | Complete |   |      |       |       |       | NA    | 10/19/2007 13:00   | 16626 | 1    | EDR     |
| <b>Method: MCAWW 300.0, Solid, Soluble</b>                                     |            |          |   |      |       |       |       |       |                    |       |      |         |
| Chloride                                                                       | 16887-00-6 | 5.5      |   |      | 1.4   | 5.0   | 1.4   | mg/Kg | 10/18/2007 10:15   | 16511 | 1    | TLA     |
| <b>Method: EPA Percent Moisture, Solid</b>                                     |            |          |   |      |       |       |       |       |                    |       |      |         |
| Percent Moisture                                                               | STL00177   | 7.0      |   |      | 0.010 | 0.010 | 0.010 | %     | 10/16/2007 14:00   | 16416 | 1    | OV      |
| Percent Solids                                                                 | STL00234   | 93       |   |      | 0.010 | 0.010 | 0.010 | %     | 10/16/2007 14:00   | 16416 | 1    | OV      |
| <b>Method: SW846 6010B, Solid</b>                                              |            |          |   |      |       |       |       |       |                    |       |      |         |
| Ag                                                                             | 7440-22-4  | 0.37     | J |      | 0.12  | 0.50  | 0.11  | mg/Kg | 10/17/2007 18:02   | 16450 | 1    | JEM     |
| As                                                                             | 7440-38-2  | 3.6      |   |      | 1.0   | 1.3   | 0.94  | mg/Kg | 10/17/2007 18:02   | 16450 | 1    | JEM     |
| Ba                                                                             | 7440-39-3  | 360      |   |      | 0.50  | 1.0   | 0.47  | mg/Kg | 10/17/2007 18:02   | 16450 | 1    | JEM     |
| Cd                                                                             | 7440-43-9  | 0.24     | U |      | 0.25  | 0.50  | 0.24  | mg/Kg | 10/17/2007 18:02   | 16450 | 1    | JEM     |
| Cr                                                                             | 7440-47-3  | 2.6      |   |      | 0.25  | 1.0   | 0.24  | mg/Kg | 10/17/2007 18:02   | 16450 | 1    | JEM     |
| Pb                                                                             | 7439-92-1  | 0.60     | J |      | 0.50  | 1.0   | 0.47  | mg/Kg | 10/17/2007 18:02   | 16450 | 1    | JEM     |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1  
SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 2C (2-3)

Lab Sample ID: 560-7038-3      Date Sampled: 10/12/2007 9:15  
Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                        | CAS #     | RESULT | Q | FLAG | MDL   | MQL  | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|------------------------------------|-----------|--------|---|------|-------|------|-------|-------|--------------------|-------|------|---------|
| Se                                 | 7782-49-2 | 1.3    |   |      | 0.65  | 1.3  | 0.61  | mg/Kg | 10/17/2007 18:02   | 16450 | 1    | JEM     |
| <b>Method: SW846 6020, Solid</b>   |           |        |   |      |       |      |       |       |                    |       |      |         |
| K                                  | 7440-09-7 | 380    |   |      | 1.0   | 2.5  | 19    | mg/Kg | 10/26/2007 0:32    | 16747 | 20   | RT      |
| Mg                                 | 7439-95-4 | 4100   |   |      | 1.0   | 2.5  | 19    | mg/Kg | 10/26/2007 0:32    | 16747 | 20   | RT      |
| Na                                 | 7440-23-5 | 130    |   |      | 2.0   | 5.0  | 38    | mg/Kg | 10/26/2007 0:32    | 16747 | 20   | RT      |
| <b>Method: SW846 7471A, Solid</b>  |           |        |   |      |       |      |       |       |                    |       |      |         |
| Mercury                            | 7439-97-6 | 0.030  | U |      | 0.042 | 0.20 | 0.030 | mg/Kg | 10/22/2007 14:47   | 16626 | 1    | EDR     |
| <b>Method: SW846 8015B, Solid</b>  |           |        |   |      |       |      |       |       |                    |       |      |         |
| Diesel Range Organics<br>[C10-C28] | STL00143  | 4.5    | U |      | 4.2   | 10   | 4.5   | mg/Kg | 10/19/2007 11:34   | 16549 | 1    | IMC     |
| <b>Surrogates</b>                  |           |        |   |      |       |      |       |       |                    |       |      |         |

| Test Method | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| o-Terphenyl | 84-15-1    |         | 1        | 9.5    | 8.96       | 106    | 29-140    |         | 16505      | SVGC#4     | 10/19/2007 11:34:00 | IMC     |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1      SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 2C (2-3)

Lab Sample ID: 560-7038-3      Date Sampled: 10/12/2007 9:15  
 Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                          | CAS #     | RESULT | Q | FLAG | MDL   | MQL  | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|--------------------------------------|-----------|--------|---|------|-------|------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8015M, Solid</b>    |           |        |   |      |       |      |       |       |                    |       |      |         |
| Gasoline Range Organics (GRO)-C6-C10 | 8006-61-9 | 0.035  | U |      | 0.033 | 0.10 | 0.035 | mg/Kg | 10/23/2007 1:56    | 57859 | 1    | CP      |
| <b>Surrogates</b>                    |           |        |   |      |       |      |       |       |                    |       |      |         |
| Dry Weight Corrected?: Y             |           |        |   |      |       |      |       |       |                    |       |      |         |

| Test Method                  | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time | Analyst |
|------------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|--------------------|---------|
| a,a,a-Trifluorotoluene (fid) | 98-08-8    |         | 1        | 0.054  | 0.0531     | 101    | 60-134    |         | 57856      | BETTE      | 10/23/2007 1:56:00 | CP      |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1  
SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 2C (2-3)

Lab Sample ID: 560-7038-3      Date Sampled: 10/12/2007 9:15  
Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                       | CAS #     | RESULT | Q | FLAG | MDL    | SQL    | UNITS  | Analysis Date/Time | Batch            | D.F.  | Analyst |
|-----------------------------------|-----------|--------|---|------|--------|--------|--------|--------------------|------------------|-------|---------|
| <b>Method: SW846 8021B, Solid</b> |           |        |   |      |        |        |        |                    |                  |       |         |
| Benzene                           | 71-43-2   | 0.0018 | U |      | 0.0019 | 0.0050 | 0.0018 | mg/Kg              | 10/18/2007 10:40 | 16539 | 1 RH    |
| Ethylbenzene                      | 100-41-4  | 0.0021 | U |      | 0.0022 | 0.0050 | 0.0021 | mg/Kg              | 10/18/2007 10:40 | 16539 | 1 RH    |
| Toluene                           | 108-88-3  | 0.0019 | U |      | 0.0021 | 0.0050 | 0.0019 | mg/Kg              | 10/18/2007 10:40 | 16539 | 1 RH    |
| Xylenes, Total                    | 1330-20-7 | 0.0062 | U |      | 0.0067 | 0.015  | 0.0062 | mg/Kg              | 10/18/2007 10:40 | 16539 | 1 RH    |

## Surrogates

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.016  | 0.0187     | 83     | 51-127    |         |            | VGC#2      | 10/18/2007 10:40:00 | RH      |
| Trifluorotoluene (Surr)     | 98-08-8    |         | 1        | 0.019  | 0.0187     | 100    | 50-129    |         |            | VGC#2      | 10/18/2007 10:40:00 | RH      |



# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      Job Number: 560-7038-1  
 SDG Number: Eunice Landfarm Sampling

ATTN: Ms. Michelle Green

Client Sample ID: Cell 2C (2-3)

Lab Sample ID: 560-7038-3 DIL  
 Client Matrix: Solid

Date Sampled: 10/12/2007 9:15  
 Date Received: 10/16/2007 8:20

| TEST METHOD                                           | CAS #     | RESULT   | Q | FLAG | MDL | MQL | SQL | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-------------------------------------------------------|-----------|----------|---|------|-----|-----|-----|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3050B, Solid</b>                     |           |          |   |      |     |     |     |       |                    |       |      |         |
| Acid Digestion of<br>Sediments, Sludges, and<br>Soils | NA        | Complete |   |      |     |     |     | NA    | 10/17/2007 10:13   | 16792 | 100  | RM      |
| <b>Method: SW846 6020, Solid</b>                      |           |          |   |      |     |     |     |       |                    |       |      |         |
| Ca                                                    | 7440-70-2 | 200000   |   |      | 1.0 | 2.5 | 94  | mg/Kg | 10/26/2007 14:25   | 16792 | 100  | RT      |

Dry Weight Corrected?: N

Dry Weight Corrected?: N

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1  
SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 1A (2-3)

Lab Sample ID: 560-7038-4      Date Sampled: 10/12/2007 10:15  
Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                                                                    | CAS #      | RESULT   | Q | FLAG | MDL   | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|--------------------------------------------------------------------------------|------------|----------|---|------|-------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3050B, Solid</b>                                              |            |          |   |      |       |       |       |                    |       |      |         |
| Acid Digestion of Sediments, Sludges, and Soils                                | NA         | Complete |   |      |       |       | NA    | 10/17/2007 10:13   | 16747 | 20   | RM      |
| Acid Digestion of Sediments, Sludges, and Soils                                | NA         | Complete |   |      |       |       | NA    | 10/17/2007 10:13   | 16450 | 1    | RM      |
| <b>Method: SW846 3550B, Solid</b>                                              |            |          |   |      |       |       |       |                    |       |      |         |
| Ultrasonic Extraction                                                          | NA         | Complete |   |      |       |       | NA    | 10/18/2007 11:00   | 16549 | 1    | LPM     |
| <b>Method: SW846 5030B, Solid</b>                                              |            |          |   |      |       |       |       |                    |       |      |         |
| Purge and Trap for Solids                                                      | NA         | Complete |   |      |       |       | NA    | 10/18/2007 11:08   | 16539 | 1    |         |
| <b>Method: SW846 5035, Solid</b>                                               |            |          |   |      |       |       |       |                    |       |      |         |
| Closed System Purge & Trap/Field Preservation                                  | NA         | Complete |   |      |       |       | NA    | 10/23/2007 14:25   | 57893 | 1    | CP      |
| <b>Method: SW846 7471A, Solid</b>                                              |            |          |   |      |       |       |       |                    |       |      |         |
| Mercury in Solid or Semi-Solid Waste (Manual Cold Vapor Technique)/Preparation | NA         | Complete |   |      |       |       | NA    | 10/19/2007 13:00   | 16626 | 1    | EDR     |
| <b>Method: MCAWW 300.0, Solid, Soluble</b>                                     |            |          |   |      |       |       |       |                    |       |      |         |
| Chloride                                                                       | 16887-00-6 | 5300     |   |      | 1.4   | 5.0   | 71    | 10/18/2007 10:15   | 16591 | 50   | TLA     |
| <b>Method: EPA Percent Moisture, Solid</b>                                     |            |          |   |      |       |       |       |                    |       |      |         |
| Percent Moisture                                                               | STL00177   | 4.7      |   |      | 0.010 | 0.010 | %     | 10/16/2007 14:00   | 16416 | 1    | OV      |
| Percent Solids                                                                 | STL00234   | 95       |   |      | 0.010 | 0.010 | %     | 10/16/2007 14:00   | 16416 | 1    | OV      |
| <b>Method: SW846 6010B, Solid</b>                                              |            |          |   |      |       |       |       |                    |       |      |         |
| Ag                                                                             | 7440-22-4  | 0.54     |   |      | 0.12  | 0.50  | mg/Kg | 10/17/2007 18:06   | 16450 | 1    | JEM     |
| As                                                                             | 7440-38-2  | 3.6      |   |      | 1.0   | 1.3   | mg/Kg | 10/17/2007 18:06   | 16450 | 1    | JEM     |
| Ba                                                                             | 7440-39-3  | 160      |   |      | 0.50  | 1.0   | mg/Kg | 10/17/2007 18:06   | 16450 | 1    | JEM     |
| Cd                                                                             | 7440-43-9  | 0.24     | U |      | 0.25  | 0.50  | mg/Kg | 10/17/2007 18:06   | 16450 | 1    | JEM     |
| Cr                                                                             | 7440-47-3  | 1.5      |   |      | 0.25  | 1.0   | mg/Kg | 10/17/2007 18:06   | 16450 | 1    | JEM     |
| Pb                                                                             | 7439-92-1  | 0.49     | U |      | 0.50  | 1.0   | mg/Kg | 10/17/2007 18:06   | 16450 | 1    | JEM     |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice ATTN: Ms. Michelle Green

Job Number: 560-7038-1  
SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 1A (2-3)

Lab Sample ID: 560-7038-4  
Client Matrix: Solid

Date Sampled: 10/12/2007 10:15  
Date Received: 10/16/2007 8:20

| TEST METHOD                        | CAS #     | RESULT | Q | FLAG | MDL   | MQL  | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|------------------------------------|-----------|--------|---|------|-------|------|-------|-------|--------------------|-------|------|---------|
| Se                                 | 7782-49-2 | 1.9    |   |      | 0.65  | 1.3  | 0.63  | mg/Kg | 10/17/2007 18:06   | 16450 | 1    | JEM     |
| <b>Method: SW846 6020, Solid</b>   |           |        |   |      |       |      |       |       |                    |       |      |         |
| K                                  | 7440-09-7 | 560    |   |      | 1.0   | 2.5  | 19    | mg/Kg | 10/26/2007 0:39    | 16747 | 20   | RT      |
| Mg                                 | 7439-95-4 | 2200   |   |      | 1.0   | 2.5  | 19    | mg/Kg | 10/26/2007 0:39    | 16747 | 20   | RT      |
| Na                                 | 7440-23-5 | 5000   |   |      | 2.0   | 5.0  | 39    | mg/Kg | 10/26/2007 0:39    | 16747 | 20   | RT      |
| <b>Method: SW846 7471A, Solid</b>  |           |        |   |      |       |      |       |       |                    |       |      |         |
| Mercury                            | 7439-97-6 | 0.036  | U |      | 0.042 | 0.20 | 0.036 | mg/Kg | 10/22/2007 14:49   | 16626 | 1    | EDR     |
| <b>Method: SW846 8015B, Solid</b>  |           |        |   |      |       |      |       |       |                    |       |      |         |
| Diesel Range Organics<br>[C10-C28] | STL00143  | 4.4    | U |      | 4.2   | 10   | 4.4   | mg/Kg | 10/19/2007 11:43   | 16549 | 1    | IMC     |
| <b>Surrogates</b>                  |           |        |   |      |       |      |       |       |                    |       |      |         |

| Test Method | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| o-Terphenyl | 84-15-1    |         | 1        | 9.4    | 8.75       | 108    | 29-140    |         | 16505      | SVGC#4     | 10/19/2007 11:43:00 | IMC     |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice ATTN: Ms. Michelle Green Job Number: 560-7038-1  
 Client Sample ID: Cell 1A (2-3) SDG Number: Eunice Landfarm Sampling

Lab Sample ID: 560-7038-4 Date Sampled: 10/12/2007 10:15  
 Client Matrix: Solid Date Received: 10/16/2007 8:20

| TEST METHOD                          | CAS #     | RESULT | Q | FLAG | MDL   | MQL  | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|--------------------------------------|-----------|--------|---|------|-------|------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8015M, Solid</b>    |           |        |   |      |       |      |       |       |                    |       |      |         |
| Gasoline Range Organics (GRO)-C6-C10 | 8006-61-9 | 0.035  | U |      | 0.033 | 0.10 | 0.035 | mg/Kg | 10/23/2007 18:25   | 57893 | 1    | CP      |
| <b>Surrogates</b>                    |           |        |   |      |       |      |       |       |                    |       |      |         |
| Dry Weight Corrected?: Y             |           |        |   |      |       |      |       |       |                    |       |      |         |

| Test Method                  | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|------------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| a,a,a-Trifluorotoluene (fid) | 98-08-8    |         | 1        | 0.055  | 0.0524     | 105    | 60-134    |         | 57858      | BETTE      | 10/23/2007 6:25:00l | CP      |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1      SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 1A (2-3)

Lab Sample ID: 560-7038-4      Date Sampled: 10/12/2007 10:15  
 Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                       | CAS #     | RESULT | Q | FLAG | MDL    | MQL    | SQL    | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------|-----------|--------|---|------|--------|--------|--------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8021B, Solid</b> |           |        |   |      |        |        |        |       |                    |       |      |         |
| Benzene                           | 71-43-2   | 0.0017 | U |      | 0.0019 | 0.0050 | 0.0017 | mg/Kg | 10/18/2007 11:08   | 16539 | 1    | RH      |
| Ethylbenzene                      | 100-41-4  | 0.0020 | U |      | 0.0022 | 0.0050 | 0.0020 | mg/Kg | 10/18/2007 11:08   | 16539 | 1    | RH      |
| Toluene                           | 108-88-3  | 0.0019 | U |      | 0.0021 | 0.0050 | 0.0019 | mg/Kg | 10/18/2007 11:08   | 16539 | 1    | RH      |
| Xylenes, Total                    | 1330-20-7 | 0.0060 | U |      | 0.0067 | 0.015  | 0.0060 | mg/Kg | 10/18/2007 11:08   | 16539 | 1    | RH      |

## Surrogates

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.016  | 0.0182     | 89     | 51-127    |         |            | VGC#2      | 10/18/2007 11:08:00 | RH      |
| Trifluorotoluene (Surr)     | 98-08-8    |         | 1        | 0.019  | 0.0182     | 106    | 50-129    |         |            | VGC#2      | 10/18/2007 11:08:00 | RH      |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1      SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 1A (2-3)

Lab Sample ID: 560-7038-4 DIL      Date Sampled: 10/12/2007 10:15  
 Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                                     | CAS #     | RESULT   | Q | FLAG | MDL | MQL | SQL | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-------------------------------------------------|-----------|----------|---|------|-----|-----|-----|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3050B, Solid</b>               |           |          |   |      |     |     |     |       |                    |       |      |         |
| Acid Digestion of Sediments, Sludges, and Soils | NA        | Complete |   |      |     |     |     | NA    | 10/17/2007 10:13   | 16792 | 100  | RM      |
| <b>Method: SW846 6020, Solid</b>                |           |          |   |      |     |     |     |       |                    |       |      |         |
| Ca                                              | 7440-70-2 | 310000   |   |      | 1.0 | 2.5 | 97  | mg/Kg | 10/26/2007 14:53   | 16792 | 100  | RT      |
| Dry Weight Corrected?: N                        |           |          |   |      |     |     |     |       |                    |       |      |         |
| Dry Weight Corrected?: N                        |           |          |   |      |     |     |     |       |                    |       |      |         |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1  
SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 1A-1 (2-3)

Lab Sample ID: 560-7038-5      Date Sampled: 10/12/2007 10:35  
Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                                                                    | CAS #      | RESULT   | Q | FLAG | MDL   | SQL   | UNITS | Analysis Date/Time | Batch            | D.F.  | Analyst |     |
|--------------------------------------------------------------------------------|------------|----------|---|------|-------|-------|-------|--------------------|------------------|-------|---------|-----|
| Method: SW846 3050B,Solid                                                      |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Acid Digestion of Sediments, Sludges, and Soils                                | NA         | Complete |   |      |       |       | NA    | 10/17/2007 10:13   | 16747            | 20    | RM      |     |
| Acid Digestion of Sediments, Sludges, and Soils                                | NA         | Complete |   |      |       |       | NA    | 10/17/2007 10:13   | 16450            | 1     | RM      |     |
| Method: SW846 3550B,Solid                                                      |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Ultrasonic Extraction                                                          | NA         | Complete |   |      |       |       | NA    | 10/18/2007 11:00   | 16549            | 1     | LPM     |     |
| Method: SW846 5030B,Solid                                                      |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Purge and Trap for Solids                                                      | NA         | Complete |   |      |       |       | NA    | 10/18/2007 11:35   | 16539            | 1     |         |     |
| Method: SW846 5035,Solid                                                       |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Closed System Purge & Trap/Field Preservation                                  | NA         | Complete |   |      |       |       | NA    | 10/23/2007 14:25   | 57893            | 1     | CP      |     |
| Method: SW846 7471A,Solid                                                      |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Mercury in Solid or Semi-Solid Waste (Manual Cold Vapor Technique)/Preparation | NA         | Complete |   |      |       |       | NA    | 10/19/2007 13:00   | 16626            | 1     | EDR     |     |
| Method: MCAWW 300.0,Solid,Soluble                                              |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Chloride                                                                       | 16887-00-6 | 460      |   |      | 1.4   | 5.0   | 7.1   | mg/Kg              | 10/18/2007 10:15 | 16591 | 5       | TLA |
| Method: EPA PercentMoisture,Solid                                              |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Percent Moisture                                                               | STL00177   | 7.5      |   |      | 0.010 | 0.010 | 0.010 | %                  | 10/16/2007 14:00 | 16416 | 1       | OV  |
| Percent Solids                                                                 | STL00234   | 93       |   |      | 0.010 | 0.010 | 0.010 | %                  | 10/16/2007 14:00 | 16416 | 1       | OV  |
| Method: SW846 6010B,Solid                                                      |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Ag                                                                             | 7440-22-4  | 0.42     | J |      | 0.12  | 0.50  | 0.12  | mg/Kg              | 10/17/2007 18:12 | 16450 | 1       | JEM |
| As                                                                             | 7440-38-2  | 3.5      |   |      | 1.0   | 1.3   | 0.97  | mg/Kg              | 10/17/2007 18:12 | 16450 | 1       | JEM |
| Ba                                                                             | 7440-39-3  | 150      |   |      | 0.50  | 1.0   | 0.49  | mg/Kg              | 10/17/2007 18:12 | 16450 | 1       | JEM |
| Cd                                                                             | 7440-43-9  | 0.24     | U |      | 0.25  | 0.50  | 0.24  | mg/Kg              | 10/17/2007 18:12 | 16450 | 1       | JEM |
| Cr                                                                             | 7440-47-3  | 1.8      |   |      | 0.25  | 1.0   | 0.24  | mg/Kg              | 10/17/2007 18:12 | 16450 | 1       | JEM |
| Pb                                                                             | 7439-92-1  | 1.2      |   |      | 0.50  | 1.0   | 0.49  | mg/Kg              | 10/17/2007 18:12 | 16450 | 1       | JEM |

# Analytical Data

Client: Larson & Associates, Inc. Job Number: 560-7038-1  
 Project: Eunice SDG Number: Eunice Landfarm Sampling

ATTN: Ms. Michelle Green

Client Sample ID: Cell 1A-1 (2-3)

Lab Sample ID: 560-7038-5  
 Client Matrix: Solid

| TEST METHOD                        | CAS #     | RESULT | Q | FLAG | MDL   | SQL  | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|------------------------------------|-----------|--------|---|------|-------|------|-------|--------------------|-------|------|---------|
| Se                                 | 7782-49-2 | 2.0    |   |      | 0.65  | 0.63 | mg/Kg | 10/17/2007 18:12   | 16450 | 1    | JEM     |
| <b>Method: SW846 6020,Solid</b>    |           |        |   |      |       |      |       |                    |       |      |         |
| K                                  | 7440-09-7 | 640    |   |      | 1.0   | 2.5  | mg/Kg | 10/26/2007 0:46    | 16747 | 20   | RT      |
| Mg                                 | 7439-95-4 | 2100   |   |      | 1.0   | 2.5  | mg/Kg | 10/26/2007 0:46    | 16747 | 20   | RT      |
| Na                                 | 7440-23-5 | 1000   |   |      | 2.0   | 5.0  | mg/Kg | 10/26/2007 0:46    | 16747 | 20   | RT      |
| <b>Method: SW846 7471A,Solid</b>   |           |        |   |      |       |      |       |                    |       |      |         |
| Mercury                            | 7439-97-6 | 0.032  | U |      | 0.042 | 0.20 | mg/Kg | 10/22/2007 14:51   | 16626 | 1    | EDR     |
| <b>Method: SW846 8015B,Solid</b>   |           |        |   |      |       |      |       |                    |       |      |         |
| Diesel Range Organics<br>[C10-C28] | STL00143  | 21     | J |      | 4.2   | 10   | mg/Kg | 10/19/2007 11:51   | 16549 | 1    | IMC     |
| <b>Surrogates</b>                  |           |        |   |      |       |      |       |                    |       |      |         |

| Test Method | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| o-Terphenyl | 84-15-1    |         | 1        | 10     | 9.01       | 112    | 29-140    |         | 16505      | SVGC#4     | 10/19/2007 11:51:00 | IMC     |



# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1  
 Client Sample ID: Cell 1A-1 (2-3)      SDG Number: Eunice Landfarm Sampling

Lab Sample ID: 560-7038-5      Date Sampled: 10/12/2007 10:35  
 Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                          | CAS #     | RESULT | Q | FLAG | MDL   | MQL  | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|--------------------------------------|-----------|--------|---|------|-------|------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8015M,Solid</b>     |           |        |   |      |       |      |       |       |                    |       |      |         |
| Gasoline Range Organics (GRO)-C6-C10 | 8006-61-9 | 0.035  | U |      | 0.033 | 0.10 | 0.035 | mg/Kg | 10/23/2007 19:25   | 57893 | 1    | CP      |
| <b>Surrogates</b>                    |           |        |   |      |       |      |       |       |                    |       |      |         |
| Dry Weight Corrected?: Y             |           |        |   |      |       |      |       |       |                    |       |      |         |

| Test Method                  | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time | Analyst |
|------------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|--------------------|---------|
| a,a,a-Trifluorotoluene (fid) | 98-08-8    |         | 1        | 0.054  | 0.0534     | 101    | 60-134    |         | 57858      | BETTE      | 10/23/2007 7:25:00 | CP      |

# Analytical Data

Client: Larson & Associates, Inc. Project: Eunice ATTN: Ms. Michelle Green Job Number: 560-7038-1  
 Client Sample ID: Cell 1A-1 (2-3) SDG Number: Eunice Landfarm Sampling

Lab Sample ID: 560-7038-5 Date Sampled: 10/12/2007 10:35  
 Client Matrix: Solid Date Received: 10/16/2007 8:20

| TEST METHOD                       | CAS #     | RESULT | Q | FLAG | MDL    | SQL    | UNITS  | Analysis Date/Time | Batch            | D.F.  | Analyst |
|-----------------------------------|-----------|--------|---|------|--------|--------|--------|--------------------|------------------|-------|---------|
| <b>Method: SW846 8021B, Solid</b> |           |        |   |      |        |        |        |                    |                  |       |         |
| Benzene                           | 71-43-2   | 0.0018 | U |      | 0.0019 | 0.0050 | 0.0018 | mg/Kg              | 10/18/2007 11:35 | 16539 | 1 RH    |
| Ethylbenzene                      | 100-41-4  | 0.0021 | U |      | 0.0022 | 0.0050 | 0.0021 | mg/Kg              | 10/18/2007 11:35 | 16539 | 1 RH    |
| Toluene                           | 108-88-3  | 0.0019 | U |      | 0.0021 | 0.0050 | 0.0019 | mg/Kg              | 10/18/2007 11:35 | 16539 | 1 RH    |
| Xylenes, Total                    | 1330-20-7 | 0.0063 | U |      | 0.0067 | 0.015  | 0.0063 | mg/Kg              | 10/18/2007 11:35 | 16539 | 1 RH    |
| <b>Surrogates</b>                 |           |        |   |      |        |        |        |                    |                  |       |         |

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.016  | 0.0189     | 83     | 51-127    |         |            | VGC#2      | 10/18/2007 11:35:00 | RH      |
| Trifluorotoluene (Surr)     | 98-08-8    |         | 1        | 0.019  | 0.0189     | 103    | 50-129    |         |            | VGC#2      | 10/18/2007 11:35:00 | RH      |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1      SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 1A-1 (2-3)

Lab Sample ID: 560-7038-5 DIL  
Client Matrix: Solid

Date Sampled: 10/12/2007 10:35  
Date Received: 10/16/2007 8:20

| TEST METHOD                                           | CAS #     | RESULT   | Q | FLAG | MDL | MQL | SQL | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-------------------------------------------------------|-----------|----------|---|------|-----|-----|-----|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3050B, Solid</b>                     |           |          |   |      |     |     |     |       |                    |       |      |         |
| Acid Digestion of<br>Sediments, Sludges, and<br>Soils | NA        | Complete |   |      |     |     |     | NA    | 10/17/2007 10:13   | 16792 | 100  | RM      |
| <b>Method: SW846 6020, Solid</b>                      |           |          |   |      |     |     |     |       |                    |       |      |         |
| Ca                                                    | 7440-70-2 | 290000   |   |      | 1.0 | 2.5 | 97  | mg/Kg | 10/26/2007 15:00   | 16792 | 100  | RT      |
| Dry Weight Corrected?: N                              |           |          |   |      |     |     |     |       |                    |       |      |         |
| Dry Weight Corrected?: N                              |           |          |   |      |     |     |     |       |                    |       |      |         |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1      SDG Number: Eunice Landfarm Sampling

**Client Sample ID:** Cell 1B (2-3)

Lab Sample ID: 560-7038-6      Date Sampled: 10/12/2007 11:00

Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                                                                    | CAS #      | RESULT   | Q | FLAG | MDL   | SQL   | UNITS | Analysis Date/Time | Batch            | D.F.  | Analyst |     |
|--------------------------------------------------------------------------------|------------|----------|---|------|-------|-------|-------|--------------------|------------------|-------|---------|-----|
| Method: SW846 3050B,Solid                                                      |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Acid Digestion of Sediments, Sludges, and Soils                                | NA         | Complete |   |      |       |       | NA    | 10/17/2007 10:13   | 16747            | 20    | RM      |     |
| Acid Digestion of Sediments, Sludges, and Soils                                | NA         | Complete |   |      |       |       | NA    | 10/17/2007 10:13   | 16450            | 1     | RM      |     |
| Method: SW846 3550B,Solid                                                      |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Ultrasonic Extraction                                                          | NA         | Complete |   |      |       |       | NA    | 10/18/2007 11:00   | 16549            | 1     | LPM     |     |
| Method: SW846 5030B,Solid                                                      |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Purge and Trap for Solids                                                      | NA         | Complete |   |      |       |       | NA    | 10/18/2007 12:03   | 16539            | 1     |         |     |
| Method: SW846 5035,Solid                                                       |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Closed System Purge & Trap/Field Preservation                                  | NA         | Complete |   |      |       |       | NA    | 10/22/2007 17:44   | 57859            | 1     | CP      |     |
| Method: SW846 7471A,Solid                                                      |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Mercury in Solid or Semi-Solid Waste (Manual Cold Vapor Technique)/Preparation | NA         | Complete |   |      |       |       | NA    | 10/19/2007 13:00   | 16626            | 1     | EDR     |     |
| Method: MCAWW 300.0,Solid,Soluble                                              |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Chloride                                                                       | 16887-00-6 | 11       |   |      | 1.4   | 5.0   | 1.4   | mg/Kg              | 10/18/2007 10:15 | 16591 | 1       | TLA |
| Method: EPA PercentMoisture,Solid                                              |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Percent Moisture                                                               | STL00177   | 5.8      |   |      | 0.010 | 0.010 | 0.010 | %                  | 10/16/2007 14:00 | 16416 | 1       | OV  |
| Percent Solids                                                                 | STL00234   | 94       |   |      | 0.010 | 0.010 | 0.010 | %                  | 10/16/2007 14:00 | 16416 | 1       | OV  |
| Method: SW846 6010B,Solid                                                      |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Ag                                                                             | 7440-22-4  | 0.12     | U |      | 0.12  | 0.50  | 0.12  | mg/Kg              | 10/17/2007 18:16 | 16450 | 1       | JEM |
| As                                                                             | 7440-38-2  | 0.96     | U |      | 1.0   | 1.3   | 0.96  | mg/Kg              | 10/17/2007 18:16 | 16450 | 1       | JEM |
| Ba                                                                             | 7440-39-3  | 15       |   |      | 0.50  | 1.0   | 0.48  | mg/Kg              | 10/17/2007 18:16 | 16450 | 1       | JEM |
| Cd                                                                             | 7440-43-9  | 0.24     | U |      | 0.25  | 0.50  | 0.24  | mg/Kg              | 10/17/2007 18:16 | 16450 | 1       | JEM |
| Cr                                                                             | 7440-47-3  | 3.6      |   |      | 0.25  | 1.0   | 0.24  | mg/Kg              | 10/17/2007 18:16 | 16450 | 1       | JEM |
| Pb                                                                             | 7439-92-1  | 3.0      |   |      | 0.50  | 1.0   | 0.48  | mg/Kg              | 10/17/2007 18:16 | 16450 | 1       | JEM |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1  
 Client Sample ID: Cell 1B (2-3)      SDG Number: Eunice Landfarm Sampling

Lab Sample ID: 560-7038-6      Date Sampled: 10/12/2007 11:00  
 Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                       | CAS #     | RESULT | Q | FLAG | MDL   | MQL  | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------|-----------|--------|---|------|-------|------|-------|-------|--------------------|-------|------|---------|
| Se                                | 7782-49-2 | 0.62   | U |      | 0.65  | 1.3  | 0.62  | mg/Kg | 10/17/2007 18:16   | 16450 | 1    | JEM     |
| <b>Method: SW846 6020, Solid</b>  |           |        |   |      |       |      |       |       |                    |       |      |         |
| Ca                                | 7440-70-2 | 2100   |   |      | 1.0   | 2.5  | 19    | mg/Kg | 10/26/2007 0:53    | 16747 | 20   | RT      |
| K                                 | 7440-09-7 | 560    |   |      | 1.0   | 2.5  | 19    | mg/Kg | 10/26/2007 0:53    | 16747 | 20   | RT      |
| Mg                                | 7439-95-4 | 430    |   |      | 1.0   | 2.5  | 19    | mg/Kg | 10/26/2007 0:53    | 16747 | 20   | RT      |
| Na                                | 7440-23-5 | 140    |   |      | 2.0   | 5.0  | 38    | mg/Kg | 10/26/2007 0:53    | 16747 | 20   | RT      |
| <b>Method: SW846 7471A, Solid</b> |           |        |   |      |       |      |       |       |                    |       |      |         |
| Mercury                           | 7439-97-6 | 0.032  | U |      | 0.042 | 0.20 | 0.032 | mg/Kg | 10/22/2007 14:53   | 16626 | 1    | EDR     |
| <b>Method: SW846 8015B, Solid</b> |           |        |   |      |       |      |       |       |                    |       |      |         |
| Diesel Range Organics [C10-C28]   | STL00143  | 6.7    | J |      | 4.2   | 10   | 4.4   | mg/Kg | 10/19/2007 12:00   | 16549 | 1    | IMC     |

## Surrogates

| Test Method | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| o-Terphenyl | 84-15-1    |         | 1        | 9.2    | 8.84       | 105    | 29-140    |         | 16505      | SVGC#4     | 10/19/2007 12:00:00 | IMC     |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1      SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 1B (2-3)

Lab Sample ID: 560-7038-6      Date Sampled: 10/12/2007 11:00  
 Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                          | CAS #     | RESULT | Q | FLAG | MDL   | SQL  | UNITS | Analysis Date/Time | Batch           | D.F.  | Analyst |
|--------------------------------------|-----------|--------|---|------|-------|------|-------|--------------------|-----------------|-------|---------|
| <b>Method: SW846 8015M,Solid</b>     |           |        |   |      |       |      |       |                    |                 |       |         |
| Gasoline Range Organics (GRO)-C6-C10 | 8006-61-9 | 0.035  | U |      | 0.033 | 0.10 | 0.035 | mg/Kg              | 10/23/2007 5:55 | 57859 | 1 CP    |
| <b>Surrogates</b>                    |           |        |   |      |       |      |       |                    |                 |       |         |
| Dry Weight Corrected?: Y             |           |        |   |      |       |      |       |                    |                 |       |         |

| Test Method                  | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|------------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| a,a,a-Trifluorotoluene (fid) | 98-08-8    |         | 1        | 0.054  | 0.0532     | 102    | 60-134    |         | 57856      | BETTE      | 10/23/2007 5:55:00, | CP      |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1      SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 1B (2-3)

Lab Sample ID: 560-7038-6      Date Sampled: 10/12/2007 11:00  
 Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                       | CAS #     | RESULT | Q | FLAG | MDL    | MQL    | SQL    | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------|-----------|--------|---|------|--------|--------|--------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8021B, Solid</b> |           |        |   |      |        |        |        |       |                    |       |      |         |
| Benzene                           | 71-43-2   | 0.0018 | U |      | 0.0019 | 0.0050 | 0.0018 | mg/Kg | 10/18/2007 12:03   | 16539 | 1    | RH      |
| Ethylbenzene                      | 100-41-4  | 0.0020 | U |      | 0.0022 | 0.0050 | 0.0020 | mg/Kg | 10/18/2007 12:03   | 16539 | 1    | RH      |
| Toluene                           | 108-88-3  | 0.0019 | U |      | 0.0021 | 0.0050 | 0.0019 | mg/Kg | 10/18/2007 12:03   | 16539 | 1    | RH      |
| Xylenes, Total                    | 1330-20-7 | 0.0062 | U |      | 0.0067 | 0.015  | 0.0062 | mg/Kg | 10/18/2007 12:03   | 16539 | 1    | RH      |

Dry Weight Corrected?: Y

## Surrogates

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.014  | 0.0185     | 78     | 51-127    |         |            | VGC#2      | 10/18/2007 12:03:00 | RH      |
| Trifluorotoluene (Surr)     | 98-08-8    |         | 1        | 0.019  | 0.0185     | 100    | 50-129    |         |            | VGC#2      | 10/18/2007 12:03:00 | RH      |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1  
SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 1C (2-3)

Lab Sample ID: 560-7038-7      Date Sampled: 10/12/2007 11:30  
Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                                                                    | CAS #      | RESULT   | Q | FLAG | MDL   | SQL   | UNITS | Analysis Date/Time | Batch            | D.F.  | Analyst |     |
|--------------------------------------------------------------------------------|------------|----------|---|------|-------|-------|-------|--------------------|------------------|-------|---------|-----|
| Method: SW846 3050B,Solid                                                      |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Acid Digestion of Sediments, Sludges, and Soils                                | NA         | Complete |   |      |       |       | NA    | 10/17/2007 10:13   | 16747            | 20    | RM      |     |
| Acid Digestion of Sediments, Sludges, and Soils                                | NA         | Complete |   |      |       |       | NA    | 10/17/2007 10:13   | 16450            | 1     | RM      |     |
| Method: SW846 3550B,Solid                                                      |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Ultrasonic Extraction                                                          | NA         | Complete |   |      |       |       | NA    | 10/18/2007 11:00   | 16549            | 1     | LPM     |     |
| Method: SW846 5030B,Solid                                                      |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Purge and Trap for Solids                                                      | NA         | Complete |   |      |       |       | NA    | 10/18/2007 12:31   | 16539            | 1     |         |     |
| Method: SW846 5035,Solid                                                       |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Closed System Purge & Trap/Field Preservation                                  | NA         | Complete |   |      |       |       | NA    | 10/22/2007 17:44   | 57859            | 1     | CP      |     |
| Method: SW846 7471A,Solid                                                      |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Mercury in Solid or Semi-Solid Waste (Manual Cold Vapor Technique)/Preparation | NA         | Complete |   |      |       |       | NA    | 10/19/2007 13:00   | 16626            | 1     | EDR     |     |
| Method: MCAWW 300.0,Solid,Soluble                                              |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Chloride                                                                       | 16887-00-6 | 81       |   |      | 1.4   | 5.0   | 1.4   | mg/Kg              | 10/18/2007 10:15 | 16591 | 1       | TLA |
| Method: EPA PercentMoisture,Solid                                              |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Percent Moisture                                                               | STL00177   | 6.4      |   |      | 0.010 | 0.010 | %     | 10/16/2007 14:00   | 16416            | 1     | OV      |     |
| Percent Solids                                                                 | STL00234   | 94       |   |      | 0.010 | 0.010 | %     | 10/16/2007 14:00   | 16416            | 1     | OV      |     |
| Method: SW846 6010B,Solid                                                      |            |          |   |      |       |       |       |                    |                  |       |         |     |
| Ag                                                                             | 7440-22-4  | 0.40     | J |      | 0.12  | 0.50  | 0.11  | mg/Kg              | 10/17/2007 18:50 | 16450 | 1       | JEM |
| As                                                                             | 7440-38-2  | 1.0      | J |      | 1.0   | 1.3   | 0.95  | mg/Kg              | 10/17/2007 18:50 | 16450 | 1       | JEM |
| Ba                                                                             | 7440-39-3  | 120      |   |      | 0.50  | 1.0   | 0.48  | mg/Kg              | 10/17/2007 18:50 | 16450 | 1       | JEM |
| Cd                                                                             | 7440-43-9  | 0.24     | U |      | 0.25  | 0.50  | 0.24  | mg/Kg              | 10/17/2007 18:50 | 16450 | 1       | JEM |
| Cr                                                                             | 7440-47-3  | 1.6      |   |      | 0.25  | 1.0   | 0.24  | mg/Kg              | 10/17/2007 18:50 | 16450 | 1       | JEM |
| Pb                                                                             | 7439-92-1  | 0.48     | U |      | 0.50  | 1.0   | 0.48  | mg/Kg              | 10/17/2007 18:50 | 16450 | 1       | JEM |



# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1  
SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 1C (2-3)

Lab Sample ID: 560-7038-7      Date Sampled: 10/12/2007 11:30  
Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                       | CAS #     | RESULT | Q | FLAG | MDL   | MQL  | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-----------------------------------|-----------|--------|---|------|-------|------|-------|-------|--------------------|-------|------|---------|
| Se                                | 7782-49-2 | 1.9    |   |      | 0.65  | 1.3  | 0.62  | mg/Kg | 10/17/2007 18:50   | 16450 | 1    | JEM     |
| <b>Method: SW846 6020, Solid</b>  |           |        |   |      |       |      |       |       |                    |       |      |         |
| K                                 | 7440-09-7 | 420    |   |      | 1.0   | 2.5  | 19    | mg/Kg | 10/26/2007 1:00    | 16747 | 20   | RT      |
| Mg                                | 7439-95-4 | 1900   |   |      | 1.0   | 2.5  | 19    | mg/Kg | 10/26/2007 1:00    | 16747 | 20   | RT      |
| Na                                | 7440-23-5 | 230    |   |      | 2.0   | 5.0  | 38    | mg/Kg | 10/26/2007 1:00    | 16747 | 20   | RT      |
| <b>Method: SW846 7471A, Solid</b> |           |        |   |      |       |      |       |       |                    |       |      |         |
| Mercury                           | 7439-97-6 | 0.034  | U |      | 0.042 | 0.20 | 0.034 | mg/Kg | 10/22/2007 14:56   | 16626 | 1    | EDR     |
| <b>Method: SW846 8015B, Solid</b> |           |        |   |      |       |      |       |       |                    |       |      |         |
| Diesel Range Organics [C10-C28]   | STL00143  | 7.2    | J |      | 4.2   | 10   | 4.5   | mg/Kg | 10/19/2007 12:09   | 16549 | 1    | IMC     |
| <b>Surrogates</b>                 |           |        |   |      |       |      |       |       |                    |       |      |         |

| Test Method | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| o-Terphenyl | 84-15-1    |         | 1        | 10     | 8.91       | 113    | 29-140    |         | 16505      | SVGC#4     | 10/19/2007 12:09:00 | IMC     |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1      SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 1C (2-3)

Lab Sample ID: 560-7038-7      Date Sampled: 10/12/2007 11:30  
 Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                          | CAS #     | RESULT | Q | FLAG | MDL   | MQL  | SQL   | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|--------------------------------------|-----------|--------|---|------|-------|------|-------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8015M,Solid</b>     |           |        |   |      |       |      |       |       |                    |       |      |         |
| Gasoline Range Organics (GRO)-C6-C10 | 8006-61-9 | 0.035  | U |      | 0.033 | 0.10 | 0.035 | mg/Kg | 10/23/2007 6:55    | 57859 | 1    | CP      |
| <b>Surrogates</b>                    |           |        |   |      |       |      |       |       |                    |       |      |         |
| Dry Weight Corrected?: Y             |           |        |   |      |       |      |       |       |                    |       |      |         |

| Test Method                  | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|------------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| a,a,a-Trifluorotoluene (fid) | 98-08-8    |         | 1        | 0.053  | 0.0525     | 101    | 60-134    |         | 57856      | BETTE      | 10/23/2007 6:55:00, | CP      |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1  
 SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 1C (2-3)

Lab Sample ID: 560-7038-7      Date Sampled: 10/12/2007 11:30  
 Client Matrix: Solid      Date Received: 10/16/2007 8:20

| TEST METHOD                      | CAS #     | RESULT | Q | FLAG | MDL    | MQL    | SQL    | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|----------------------------------|-----------|--------|---|------|--------|--------|--------|-------|--------------------|-------|------|---------|
| <b>Method: SW846 8021B,Solid</b> |           |        |   |      |        |        |        |       |                    |       |      |         |
| Benzene                          | 71-43-2   | 0.0018 | U |      | 0.0019 | 0.0050 | 0.0018 | mg/Kg | 10/18/2007 12:31   | 16539 | 1    | RH      |
| Ethylbenzene                     | 100-41-4  | 0.0021 | U |      | 0.0022 | 0.0050 | 0.0021 | mg/Kg | 10/18/2007 12:31   | 16539 | 1    | RH      |
| Toluene                          | 108-88-3  | 0.0019 | U |      | 0.0021 | 0.0050 | 0.0019 | mg/Kg | 10/18/2007 12:31   | 16539 | 1    | RH      |
| Xylenes, Total                   | 1330-20-7 | 0.0062 | U |      | 0.0067 | 0.015  | 0.0062 | mg/Kg | 10/18/2007 12:31   | 16539 | 1    | RH      |

Dry Weight Corrected?: Y

## Surrogates

| Test Method                 | CAS Number | QC Type | Dilution | Result | True Value | % Rec. | QC Limits | QC Flag | Prep Batch | Instrument | Analysis Date/Time  | Analyst |
|-----------------------------|------------|---------|----------|--------|------------|--------|-----------|---------|------------|------------|---------------------|---------|
| 4-Bromofluorobenzene (Surr) | 460-00-4   |         | 1        | 0.015  | 0.0187     | 82     | 51-127    |         |            | VGC#2      | 10/18/2007 12:31:00 | RH      |
| Trifluorotoluene (Surr)     | 98-08-8    |         | 1        | 0.019  | 0.0187     | 103    | 50-129    |         |            | VGC#2      | 10/18/2007 12:31:00 | RH      |

# Analytical Data

Client: Larson & Associates, Inc.      Project: Eunice      ATTN: Ms. Michelle Green      Job Number: 560-7038-1      SDG Number: Eunice Landfarm Sampling

Client Sample ID: Cell 1C (2-3)      Date Sampled: 10/12/2007 11:30  
 Lab Sample ID: 560-7038-7 DIL      Date Received: 10/16/2007 8:20  
 Client Matrix: Solid

| TEST METHOD                                     | CAS #     | RESULT   | Q | FLAG | MDL | SQL | UNITS | Analysis Date/Time | Batch | D.F. | Analyst |
|-------------------------------------------------|-----------|----------|---|------|-----|-----|-------|--------------------|-------|------|---------|
| <b>Method: SW846 3050B,Solid</b>                |           |          |   |      |     |     |       |                    |       |      |         |
| Acid Digestion of Sediments, Sludges, and Soils | NA        | Complete |   |      |     |     | NA    | 10/17/2007 10:13   | 16747 | 100  | RM      |
| <b>Method: SW846 6020,Solid</b>                 |           |          |   |      |     |     |       |                    |       |      |         |
| Ca                                              | 7440-70-2 | 270000   |   |      | 1.0 | 95  | mg/Kg | 10/26/2007 1:07    | 16747 | 100  | RT      |

Dry Weight Corrected?: N  
 Dry Weight Corrected?: N

## DATA REPORTING QUALIFIERS

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

| Lab Section       | Qualifier | Description                                                                                                   |
|-------------------|-----------|---------------------------------------------------------------------------------------------------------------|
| GC VOA            |           |                                                                                                               |
|                   | U         | Analyte was not detected at or above the SQL.                                                                 |
| GC Semi VOA       |           |                                                                                                               |
|                   | U         | Analyte was not detected at or above the SQL.                                                                 |
|                   | J         | Result is less than the MQL but greater than or equal to the SQL and the concentration is an estimated value. |
| Metals            |           |                                                                                                               |
|                   | U         | Analyte was not detected at or above the SQL.                                                                 |
|                   | J         | Result is less than the MQL but greater than or equal to the SQL and the concentration is an estimated value. |
| General Chemistry |           |                                                                                                               |
|                   | U         | Analyte was not detected at or above the SQL.                                                                 |

# QUALITY CONTROL RESULTS

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID         | Report Basis | Client Matrix | Method | Prep Batch |
|---------------------------------|--------------------------|--------------|---------------|--------|------------|
| <b>GC VOA</b>                   |                          |              |               |        |            |
| <b>Analysis Batch:560-16539</b> |                          |              |               |        |            |
| LCS 560-16539/2                 | Lab Control Spike        | T            | Solid         | 8021B  |            |
| MB 560-16539/3                  | Method Blank             | T            | Solid         | 8021B  |            |
| 560-7038-1                      | Cell 2D (2-3)            | T            | Solid         | 8021B  |            |
| 560-7038-2                      | Cell 2C (2-3) BACKGROUND | T            | Solid         | 8021B  |            |
| 560-7038-3                      | Cell 2C (2-3)            | T            | Solid         | 8021B  |            |
| 560-7038-3MS                    | Matrix Spike             | T            | Solid         | 8021B  |            |
| 560-7038-3MSD                   | Matrix Spike Duplicate   | T            | Solid         | 8021B  |            |
| 560-7038-4                      | Cell 1A (2-3)            | T            | Solid         | 8021B  |            |
| 560-7038-5                      | Cell 1A-1 (2-3)          | T            | Solid         | 8021B  |            |
| 560-7038-6                      | Cell 1B (2-3)            | T            | Solid         | 8021B  |            |
| 560-7038-7                      | Cell 1C (2-3)            | T            | Solid         | 8021B  |            |
| <b>Prep Batch: 400-57856</b>    |                          |              |               |        |            |
| LCS 400-57856/2-A               | Lab Control Spike        | T            | Solid         | 5035   |            |
| MB 400-57856/1-A                | Method Blank             | T            | Solid         | 5035   |            |
| 560-7038-1                      | Cell 2D (2-3)            | T            | Solid         | 5035   |            |
| 560-7038-2                      | Cell 2C (2-3) BACKGROUND | T            | Solid         | 5035   |            |
| 560-7038-3                      | Cell 2C (2-3)            | T            | Solid         | 5035   |            |
| 560-7038-6                      | Cell 1B (2-3)            | T            | Solid         | 5035   |            |
| 560-7038-6MS                    | Matrix Spike             | T            | Solid         | 5035   |            |
| 560-7038-6MSD                   | Matrix Spike Duplicate   | T            | Solid         | 5035   |            |
| 560-7038-7                      | Cell 1C (2-3)            | T            | Solid         | 5035   |            |
| <b>Prep Batch: 400-57858</b>    |                          |              |               |        |            |
| LCS 400-57858/2-A               | Lab Control Spike        | T            | Solid         | 5035   |            |
| MB 400-57858/1-A                | Method Blank             | T            | Solid         | 5035   |            |
| 560-7038-4                      | Cell 1A (2-3)            | T            | Solid         | 5035   |            |
| 560-7038-5                      | Cell 1A-1 (2-3)          | T            | Solid         | 5035   |            |
| <b>Analysis Batch:400-57859</b> |                          |              |               |        |            |
| LCS 400-57856/2-A               | Lab Control Spike        | T            | Solid         | 8015M  | 400-57856  |
| MB 400-57856/1-A                | Method Blank             | T            | Solid         | 8015M  | 400-57856  |
| 560-7038-1                      | Cell 2D (2-3)            | T            | Solid         | 8015M  | 400-57856  |
| 560-7038-2                      | Cell 2C (2-3) BACKGROUND | T            | Solid         | 8015M  | 400-57856  |
| 560-7038-3                      | Cell 2C (2-3)            | T            | Solid         | 8015M  | 400-57856  |
| 560-7038-6                      | Cell 1B (2-3)            | T            | Solid         | 8015M  | 400-57856  |
| 560-7038-6MS                    | Matrix Spike             | T            | Solid         | 8015M  | 400-57856  |
| 560-7038-6MSD                   | Matrix Spike Duplicate   | T            | Solid         | 8015M  | 400-57856  |
| 560-7038-7                      | Cell 1C (2-3)            | T            | Solid         | 8015M  | 400-57856  |
| <b>Analysis Batch:400-57893</b> |                          |              |               |        |            |
| LCS 400-57858/2-A               | Lab Control Spike        | T            | Solid         | 8015M  | 400-57858  |
| MB 400-57858/1-A                | Method Blank             | T            | Solid         | 8015M  | 400-57858  |
| 560-7038-4                      | Cell 1A (2-3)            | T            | Solid         | 8015M  | 400-57858  |
| 560-7038-5                      | Cell 1A-1 (2-3)          | T            | Solid         | 8015M  | 400-57858  |

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## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### QC Association Summary

| Lab Sample ID                    | Client Sample ID         | Report Basis | Client Matrix | Method | Prep Batch |
|----------------------------------|--------------------------|--------------|---------------|--------|------------|
| <b>Report Basis</b>              |                          |              |               |        |            |
| T = Total                        |                          |              |               |        |            |
| <b>GC Semi VOA</b>               |                          |              |               |        |            |
| <b>Prep Batch: 560-16505</b>     |                          |              |               |        |            |
| LCS 560-16505/2-A                | Lab Control Spike        | T            | Solid         | 3550B  |            |
| MB 560-16505/1-A                 | Method Blank             | T            | Solid         | 3550B  |            |
| 560-7038-1                       | Cell 2D (2-3)            | T            | Solid         | 3550B  |            |
| 560-7038-1MS                     | Matrix Spike             | T            | Solid         | 3550B  |            |
| 560-7038-1MSD                    | Matrix Spike Duplicate   | T            | Solid         | 3550B  |            |
| 560-7038-2                       | Cell 2C (2-3) BACKGROUND | T            | Solid         | 3550B  |            |
| 560-7038-3                       | Cell 2C (2-3)            | T            | Solid         | 3550B  |            |
| 560-7038-4                       | Cell 1A (2-3)            | T            | Solid         | 3550B  |            |
| 560-7038-5                       | Cell 1A-1 (2-3)          | T            | Solid         | 3550B  |            |
| 560-7038-6                       | Cell 1B (2-3)            | T            | Solid         | 3550B  |            |
| 560-7038-7                       | Cell 1C (2-3)            | T            | Solid         | 3550B  |            |
| <b>Analysis Batch: 560-16549</b> |                          |              |               |        |            |
| LCS 560-16505/2-A                | Lab Control Spike        | T            | Solid         | 8015B  | 560-16505  |
| MB 560-16505/1-A                 | Method Blank             | T            | Solid         | 8015B  | 560-16505  |
| 560-7038-1                       | Cell 2D (2-3)            | T            | Solid         | 8015B  | 560-16505  |
| 560-7038-1MS                     | Matrix Spike             | T            | Solid         | 8015B  | 560-16505  |
| 560-7038-1MSD                    | Matrix Spike Duplicate   | T            | Solid         | 8015B  | 560-16505  |
| 560-7038-2                       | Cell 2C (2-3) BACKGROUND | T            | Solid         | 8015B  | 560-16505  |
| 560-7038-3                       | Cell 2C (2-3)            | T            | Solid         | 8015B  | 560-16505  |
| 560-7038-4                       | Cell 1A (2-3)            | T            | Solid         | 8015B  | 560-16505  |
| 560-7038-5                       | Cell 1A-1 (2-3)          | T            | Solid         | 8015B  | 560-16505  |
| 560-7038-6                       | Cell 1B (2-3)            | T            | Solid         | 8015B  | 560-16505  |
| 560-7038-7                       | Cell 1C (2-3)            | T            | Solid         | 8015B  | 560-16505  |

### Report Basis

T = Total



## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### QC Association Summary

| Lab Sample ID                    | Client Sample ID         | Report Basis | Client Matrix | Method | Prep Batch |
|----------------------------------|--------------------------|--------------|---------------|--------|------------|
| <b>Metals</b>                    |                          |              |               |        |            |
| <b>Prep Batch: 560-16422</b>     |                          |              |               |        |            |
| LCS 560-16422/2-A                | Lab Control Spike        | T            | Solid         | 3050B  |            |
| MB 560-16422/1-A                 | Method Blank             | T            | Solid         | 3050B  |            |
| 560-7038-1                       | Cell 2D (2-3)            | T            | Solid         | 3050B  |            |
| 560-7038-2                       | Cell 2C (2-3) BACKGROUND | T            | Solid         | 3050B  |            |
| 560-7038-3                       | Cell 2C (2-3)            | T            | Solid         | 3050B  |            |
| 560-7038-4                       | Cell 1A (2-3)            | T            | Solid         | 3050B  |            |
| 560-7038-5                       | Cell 1A-1 (2-3)          | T            | Solid         | 3050B  |            |
| 560-7038-6                       | Cell 1B (2-3)            | T            | Solid         | 3050B  |            |
| 560-7038-7                       | Cell 1C (2-3)            | T            | Solid         | 3050B  |            |
| <b>Analysis Batch: 560-16450</b> |                          |              |               |        |            |
| LCS 560-16422/2-A                | Lab Control Spike        | T            | Solid         | 6010B  | 560-16422  |
| MB 560-16422/1-A                 | Method Blank             | T            | Solid         | 6010B  | 560-16422  |
| 560-7038-1                       | Cell 2D (2-3)            | T            | Solid         | 6010B  | 560-16422  |
| 560-7038-2                       | Cell 2C (2-3) BACKGROUND | T            | Solid         | 6010B  | 560-16422  |
| 560-7038-3                       | Cell 2C (2-3)            | T            | Solid         | 6010B  | 560-16422  |
| 560-7038-4                       | Cell 1A (2-3)            | T            | Solid         | 6010B  | 560-16422  |
| 560-7038-5                       | Cell 1A-1 (2-3)          | T            | Solid         | 6010B  | 560-16422  |
| 560-7038-6                       | Cell 1B (2-3)            | T            | Solid         | 6010B  | 560-16422  |
| 560-7038-7                       | Cell 1C (2-3)            | T            | Solid         | 6010B  | 560-16422  |
| <b>Prep Batch: 560-16534</b>     |                          |              |               |        |            |
| LCS 560-16534/4-A                | Lab Control Spike        | T            | Solid         | 7471A  |            |
| MB 560-16534/3-A                 | Method Blank             | T            | Solid         | 7471A  |            |
| 560-7038-1                       | Cell 2D (2-3)            | T            | Solid         | 7471A  |            |
| 560-7038-2                       | Cell 2C (2-3) BACKGROUND | T            | Solid         | 7471A  |            |
| 560-7038-3                       | Cell 2C (2-3)            | T            | Solid         | 7471A  |            |
| 560-7038-4                       | Cell 1A (2-3)            | T            | Solid         | 7471A  |            |
| 560-7038-5                       | Cell 1A-1 (2-3)          | T            | Solid         | 7471A  |            |
| 560-7038-6                       | Cell 1B (2-3)            | T            | Solid         | 7471A  |            |
| 560-7038-7                       | Cell 1C (2-3)            | T            | Solid         | 7471A  |            |
| <b>Analysis Batch: 560-16626</b> |                          |              |               |        |            |
| LCS 560-16534/4-A                | Lab Control Spike        | T            | Solid         | 7471A  | 560-16534  |
| MB 560-16534/3-A                 | Method Blank             | T            | Solid         | 7471A  | 560-16534  |
| 560-7038-1                       | Cell 2D (2-3)            | T            | Solid         | 7471A  | 560-16534  |
| 560-7038-2                       | Cell 2C (2-3) BACKGROUND | T            | Solid         | 7471A  | 560-16534  |
| 560-7038-3                       | Cell 2C (2-3)            | T            | Solid         | 7471A  | 560-16534  |
| 560-7038-4                       | Cell 1A (2-3)            | T            | Solid         | 7471A  | 560-16534  |
| 560-7038-5                       | Cell 1A-1 (2-3)          | T            | Solid         | 7471A  | 560-16534  |
| 560-7038-6                       | Cell 1B (2-3)            | T            | Solid         | 7471A  | 560-16534  |
| 560-7038-7                       | Cell 1C (2-3)            | T            | Solid         | 7471A  | 560-16534  |

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## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID         | Report Basis | Client Matrix | Method | Prep Batch |
|---------------------------------|--------------------------|--------------|---------------|--------|------------|
| <b>Metals</b>                   |                          |              |               |        |            |
| <b>Analysis Batch:560-16747</b> |                          |              |               |        |            |
| LCS 560-16422/2-A               | Lab Control Spike        | T            | Solid         | 6020   | 560-16422  |
| MB 560-16422/1-A                | Method Blank             | T            | Solid         | 6020   | 560-16422  |
| 560-7038-1                      | Cell 2D (2-3)            | T            | Solid         | 6020   | 560-16422  |
| 560-7038-2                      | Cell 2C (2-3) BACKGROUND | T            | Solid         | 6020   | 560-16422  |
| 560-7038-3                      | Cell 2C (2-3)            | T            | Solid         | 6020   | 560-16422  |
| 560-7038-4                      | Cell 1A (2-3)            | T            | Solid         | 6020   | 560-16422  |
| 560-7038-5                      | Cell 1A-1 (2-3)          | T            | Solid         | 6020   | 560-16422  |
| 560-7038-6                      | Cell 1B (2-3)            | T            | Solid         | 6020   | 560-16422  |
| 560-7038-7                      | Cell 1C (2-3)            | T            | Solid         | 6020   | 560-16422  |
| <b>Analysis Batch:560-16792</b> |                          |              |               |        |            |
| LCS 560-16422/2-A               | Lab Control Spike        | T            | Solid         | 6020   | 560-16422  |
| MB 560-16422/1-A                | Method Blank             | T            | Solid         | 6020   | 560-16422  |
| 560-7038-1                      | Cell 2D (2-3)            | T            | Solid         | 6020   | 560-16422  |
| 560-7038-2                      | Cell 2C (2-3) BACKGROUND | T            | Solid         | 6020   | 560-16422  |
| 560-7038-3                      | Cell 2C (2-3)            | T            | Solid         | 6020   | 560-16422  |
| 560-7038-4                      | Cell 1A (2-3)            | T            | Solid         | 6020   | 560-16422  |
| 560-7038-5                      | Cell 1A-1 (2-3)          | T            | Solid         | 6020   | 560-16422  |

#### Report Basis

T = Total

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID         | Report Basis | Client Matrix | Method          | Prep Batch |
|---------------------------------|--------------------------|--------------|---------------|-----------------|------------|
| <b>General Chemistry</b>        |                          |              |               |                 |            |
| <b>Analysis Batch:560-16416</b> |                          |              |               |                 |            |
| 560-7038-1                      | Cell 2D (2-3)            | T            | Solid         | PercentMoisture |            |
| 560-7038-2                      | Cell 2C (2-3) BACKGROUND | T            | Solid         | PercentMoisture |            |
| 560-7038-3                      | Cell 2C (2-3)            | T            | Solid         | PercentMoisture |            |
| 560-7038-4                      | Cell 1A (2-3)            | T            | Solid         | PercentMoisture |            |
| 560-7038-5                      | Cell 1A-1 (2-3)          | T            | Solid         | PercentMoisture |            |
| 560-7038-6                      | Cell 1B (2-3)            | T            | Solid         | PercentMoisture |            |
| 560-7038-6DU                    | Duplicate                |              | Solid         | PercentMoisture |            |
| 560-7038-7                      | Cell 1C (2-3)            | T            | Solid         | PercentMoisture |            |
| <b>Prep Batch: 560-16486</b>    |                          |              |               |                 |            |
| LCS 560-16486/2-A               | Lab Control Spike        | S            | Solid         | DI Leach        |            |
| MB 560-16486/1-A                | Method Blank             | S            | Solid         | DI Leach        |            |
| 560-7038-1                      | Cell 2D (2-3)            | S            | Solid         | DI Leach        |            |
| 560-7038-2                      | Cell 2C (2-3) BACKGROUND | S            | Solid         | DI Leach        |            |
| 560-7038-3                      | Cell 2C (2-3)            | S            | Solid         | DI Leach        |            |
| 560-7038-4                      | Cell 1A (2-3)            | S            | Solid         | DI Leach        |            |
| 560-7038-5                      | Cell 1A-1 (2-3)          | S            | Solid         | DI Leach        |            |
| 560-7038-6                      | Cell 1B (2-3)            | S            | Solid         | DI Leach        |            |
| 560-7038-7                      | Cell 1C (2-3)            | S            | Solid         | DI Leach        |            |
| <b>Analysis Batch:560-16511</b> |                          |              |               |                 |            |
| LCS 560-16486/2-A               | Lab Control Spike        | S            | Solid         | 300.0           |            |
| MB 560-16486/1-A                | Method Blank             | S            | Solid         | 300.0           |            |
| 560-7038-1                      | Cell 2D (2-3)            | S            | Solid         | 300.0           |            |
| 560-7038-2                      | Cell 2C (2-3) BACKGROUND | S            | Solid         | 300.0           |            |
| 560-7038-3                      | Cell 2C (2-3)            | S            | Solid         | 300.0           |            |
| <b>Analysis Batch:560-16591</b> |                          |              |               |                 |            |
| LCS 560-16486/2-A               | Lab Control Spike        | S            | Solid         | 300.0           |            |
| MB 560-16486/1-A                | Method Blank             | S            | Solid         | 300.0           |            |
| 560-7038-4                      | Cell 1A (2-3)            | S            | Solid         | 300.0           |            |
| 560-7038-5                      | Cell 1A-1 (2-3)          | S            | Solid         | 300.0           |            |
| 560-7038-6                      | Cell 1B (2-3)            | S            | Solid         | 300.0           |            |
| 560-7038-7                      | Cell 1C (2-3)            | S            | Solid         | 300.0           |            |

#### Report Basis

S = Soluble

= Total/NA

T = Total

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## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### Method Blank - Batch: 400-57856

Method: 8015M  
Preparation: 5035

Lab Sample ID: MB 400-57856/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/22/2007 1858  
Date Prepared: 10/22/2007 1744

Analysis Batch: 400-57859  
Prep Batch: 400-57856  
Units: mg/Kg

Instrument ID: GC/PID/FID  
Lab File ID: B102206.D  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 g  
Injection Volume:  
Column ID: PRIMARY

| Analyte                              | Result | Qual              | MDL   | RL   |
|--------------------------------------|--------|-------------------|-------|------|
| Gasoline Range Organics (GRO)-C6-C10 | 0.033  | U                 | 0.033 | 0.10 |
| Surrogate                            | % Rec  | Acceptance Limits |       |      |
| a,a,a-Trifluorotoluene (fid)         | 100    | 60 - 134          |       |      |

### Lab Control Spike - Batch: 400-57856

Method: 8015M  
Preparation: 5035

Lab Sample ID: LCS 400-57856/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/22/2007 1744  
Date Prepared: 10/22/2007 1744

Analysis Batch: 400-57859  
Prep Batch: 400-57856  
Units: mg/Kg

Instrument ID: GC/PID/FID  
Lab File ID: B102205.D  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 g  
Injection Volume:  
Column ID: PRIMARY

| Analyte                              | Spike Amount | Result            | % Rec. | Limit    | Qual |
|--------------------------------------|--------------|-------------------|--------|----------|------|
| Gasoline Range Organics (GRO)-C6-C10 | 1.00         | 1.08              | 108    | 75 - 124 |      |
| Surrogate                            | % Rec        | Acceptance Limits |        |          |      |
| a,a,a-Trifluorotoluene (fid)         | 102          | 60 - 134          |        |          |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 400-57856

Method: 8015M  
Preparation: 5035

MS Lab Sample ID: 560-7038-6  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/23/2007 1053  
Date Prepared: 10/22/2007 1744

Analysis Batch: 400-57859  
Prep Batch: 400-57856

Instrument ID: GC/PID/FID  
Lab File ID: B102222.D  
Initial Weight/Volume: 5.04 g  
Final Weight/Volume: 5 g  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-7038-6  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/23/2007 1153  
Date Prepared: 10/22/2007 1744

Analysis Batch: 400-57859  
Prep Batch: 400-57856

Instrument ID: GC/PID/FID  
Lab File ID: B102223.D  
Initial Weight/Volume: 5.03 g  
Final Weight/Volume: 5 g  
Injection Volume:  
Column ID: PRIMARY

| Analyte                              | % Rec.   |     | Limit     | RPD               | RPD Limit | MS Qual | MSD Qual |
|--------------------------------------|----------|-----|-----------|-------------------|-----------|---------|----------|
|                                      | MS       | MSD |           |                   |           |         |          |
| Gasoline Range Organics (GRO)-C6-C10 | 93       | 96  | 35 - 167  | 3                 | 21        |         |          |
| Surrogate                            | MS % Rec |     | MSD % Rec | Acceptance Limits |           |         |          |
| a,a,a-Trifluorotoluene (fid)         | 104      |     | 101       | 60 - 134          |           |         |          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### Method Blank - Batch: 400-57858

Method: 8015M  
Preparation: 5035

Lab Sample ID: MB 400-57858/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/23/2007 1611  
Date Prepared: 10/23/2007 1425

Analysis Batch: 400-57893  
Prep Batch: 400-57858  
Units: mg/Kg

Instrument ID: GC/PID/FID  
Lab File ID: B102302.D  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 g  
Injection Volume:  
Column ID: PRIMARY

| Analyte                              | Result | Qual | MDL               | RL   |
|--------------------------------------|--------|------|-------------------|------|
| Gasoline Range Organics (GRO)-C6-C10 | 0.033  | U    | 0.033             | 0.10 |
| Surrogate                            | % Rec  |      | Acceptance Limits |      |
| a,a,a-Trifluorotoluene (fid)         | 102    |      | 60 - 134          |      |

### Lab Control Spike - Batch: 400-57858

Method: 8015M  
Preparation: 5035

Lab Sample ID: LCS 400-57858/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/23/2007 1425  
Date Prepared: 10/23/2007 1425

Analysis Batch: 400-57893  
Prep Batch: 400-57858  
Units: mg/Kg

Instrument ID: GC/PID/FID  
Lab File ID: B102301.D  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 g  
Injection Volume:  
Column ID: PRIMARY

| Analyte                              | Spike Amount | Result | % Rec. | Limit             | Qual |
|--------------------------------------|--------------|--------|--------|-------------------|------|
| Gasoline Range Organics (GRO)-C6-C10 | 1.00         | 1.08   | 108    | 75 - 124          |      |
| Surrogate                            | % Rec        |        |        | Acceptance Limits |      |
| a,a,a-Trifluorotoluene (fid)         | 103          |        |        | 60 - 134          |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### Method Blank - Batch: 560-16539

Lab Sample ID: MB 560-16539/3  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/18/2007 0915  
Date Prepared: 10/18/2007 0915

Analysis Batch: 560-16539  
Prep Batch: N/A  
Units: mg/Kg

### Method: 8021B Preparation: 5030B

Instrument ID: HP GC [Method 8021]  
Lab File ID: 10180703.D  
Initial Weight/Volume: 5.00 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                     | Result | Qual              | MDL    | RL     |
|-----------------------------|--------|-------------------|--------|--------|
| Benzene                     | 0.0019 | U                 | 0.0019 | 0.0050 |
| Toluene                     | 0.0021 | U                 | 0.0021 | 0.0050 |
| Ethylbenzene                | 0.0022 | U                 | 0.0022 | 0.0050 |
| Xylenes, Total              | 0.0067 | U                 | 0.0067 | 0.015  |
| Surrogate                   | % Rec  | Acceptance Limits |        |        |
| 4-Bromofluorobenzene (Surr) | 83     | 51 - 127          |        |        |
| Trifluorotoluene (Surr)     | 94     | 50 - 129          |        |        |

### Lab Control Spike - Batch: 560-16539

Lab Sample ID: LCS 560-16539/2  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/18/2007 0847  
Date Prepared: 10/18/2007 0847

Analysis Batch: 560-16539  
Prep Batch: N/A  
Units: mg/Kg

### Method: 8021B Preparation: 5030B

Instrument ID: HP GC [Method 8021]  
Lab File ID: 10180702.D  
Initial Weight/Volume: 5.00 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                     | Spike Amount | Result            | % Rec. | Limit    | Qual |
|-----------------------------|--------------|-------------------|--------|----------|------|
| Benzene                     | 0.0200       | 0.0178            | 89     | 76 - 128 |      |
| Toluene                     | 0.0200       | 0.0196            | 98     | 71 - 124 |      |
| Ethylbenzene                | 0.0200       | 0.0198            | 99     | 73 - 122 |      |
| Xylenes, Total              | 0.0400       | 0.0432            | 108    | 73 - 133 |      |
| Surrogate                   | % Rec        | Acceptance Limits |        |          |      |
| 4-Bromofluorobenzene (Surr) | 97           | 51 - 127          |        |          |      |
| Trifluorotoluene (Surr)     | 105          | 50 - 129          |        |          |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-16539

Method: 8021B  
Preparation: 5030B

MS Lab Sample ID: 560-7038-3  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/18/2007 1533  
Date Prepared: 10/18/2007 1533

Analysis Batch: 560-16539  
Prep Batch: N/A

Instrument ID: HP GC [Method.8021]  
Lab File ID: 10180713.D  
Initial Weight/Volume: 5.76 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-7038-3  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/18/2007 1601  
Date Prepared: 10/18/2007 1601

Analysis Batch: 560-16539  
Prep Batch: N/A

Instrument ID: HP GC [Method 8021]  
Lab File ID: 10180714.D  
Initial Weight/Volume: 5.74 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                     | % Rec.   |     | Limit     | RPD               | RPD Limit | MS Qual | MSD Qual |
|-----------------------------|----------|-----|-----------|-------------------|-----------|---------|----------|
|                             | MS       | MSD |           |                   |           |         |          |
| Benzene                     | 90       | 87  | 28 - 150  | 3                 | 30        |         |          |
| Toluene                     | 97       | 94  | 23 - 150  | 3                 | 30        |         |          |
| Ethylbenzene                | 98       | 94  | 20 - 150  | 4                 | 30        |         |          |
| Xylenes, Total              | 103      | 99  | 20 - 150  | 4                 | 30        |         |          |
| Surrogate                   | MS % Rec |     | MSD % Rec | Acceptance Limits |           |         |          |
| 4-Bromofluorobenzene (Surr) | 106      |     | 104       | 51 - 127          |           |         |          |
| Trifluorotoluene (Surr)     | 118      |     | 112       | 50 - 129          |           |         |          |

Calculations are performed before rounding to avoid round-off errors in calculated results.



## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### Method Blank - Batch: 560-16505

Method: 8015B  
Preparation: 3550B

Lab Sample ID: MB 560-16505/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/19/2007 1043  
Date Prepared: 10/18/2007 1100

Analysis Batch: 560-16549  
Prep Batch: 560-16505  
Units: mg/Kg

Instrument ID: Hewlett Packard GC [Methr  
Lab File ID: 10190708.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                         | Result | Qual              | MDL | RL |
|---------------------------------|--------|-------------------|-----|----|
| Diesel Range Organics [C10-C28] | 4.2    | U                 | 4.2 | 50 |
| Surrogate                       | % Rec  | Acceptance Limits |     |    |
| o-Terphenyl                     | 98     | 29 - 140          |     |    |

### Lab Control Spike - Batch: 560-16505

Method: 8015B  
Preparation: 3550B

Lab Sample ID: LCS 560-16505/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/19/2007 1051  
Date Prepared: 10/18/2007 1100

Analysis Batch: 560-16549  
Prep Batch: 560-16505  
Units: mg/Kg

Instrument ID: Hewlett Packard GC [Methr  
Lab File ID: 10190709.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                         | Spike Amount | Result | % Rec.            | Limit    | Qual |
|---------------------------------|--------------|--------|-------------------|----------|------|
| Diesel Range Organics [C10-C28] | 167          | 165    | 99                | 38 - 131 |      |
| Surrogate                       | % Rec        |        | Acceptance Limits |          |      |
| o-Terphenyl                     | 103          |        | 29 - 140          |          |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 560-16505**

**Method: 8015B  
Preparation: 3550B**

MS Lab Sample ID: 560-7038-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/19/2007 1109  
Date Prepared: 10/18/2007 1100

Analysis Batch: 560-16549  
Prep Batch: 560-16505

Instrument ID: Hewlett Packard GC [Met  
Lab File ID: 10190711.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 560-7038-1  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/19/2007 1117  
Date Prepared: 10/18/2007 1100

Analysis Batch: 560-16549  
Prep Batch: 560-16505

Instrument ID: Hewlett Packard GC [Meth  
Lab File ID: 10190712.D  
Initial Weight/Volume: 30 g  
Final Weight/Volume: 5 mL  
Injection Volume:  
Column ID: PRIMARY

| Analyte                         | % Rec. |          | Limit     | RPD  | RPD Limit | MS Qual           | MSD Qual |
|---------------------------------|--------|----------|-----------|------|-----------|-------------------|----------|
|                                 | MS     | MSD      |           |      |           |                   |          |
| Diesel Range Organics [C10-C28] | 103    | 88       | 38 - 131  | 15.7 | 30.0      |                   |          |
| Surrogate                       |        | MS % Rec | MSD % Rec |      |           | Acceptance Limits |          |
| o-Terphenyl                     |        | 107      | 94        |      |           | 29 - 140          |          |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### Method Blank - Batch: 560-16422

Method: 6010B

Preparation: 3050B

Lab Sample ID: MB 560-16422/1-A

Client Matrix: Solid

Dilution: 1.0

Date Analyzed: 10/17/2007 1719

Date Prepared: 10/17/2007 1013

Analysis Batch: 560-16450

Prep Batch: 560-16422

Units: mg/Kg

Instrument ID: Perkin Elmer ICAP trace

Lab File ID: N/A

Initial Weight/Volume: 1.0 g

Final Weight/Volume: 50 mL

| Analyte | Result | Qual | MDL  | RL   |
|---------|--------|------|------|------|
| Ag      | 0.12   | U    | 0.12 | 0.50 |
| As      | 1.0    | U    | 1.0  | 1.3  |
| Ba      | 0.50   | U    | 0.50 | 1.0  |
| Cd      | 0.25   | U    | 0.25 | 0.50 |
| Cr      | 0.25   | U    | 0.25 | 1.0  |
| Pb      | 0.50   | U    | 0.50 | 1.0  |
| Se      | 0.65   | U    | 0.65 | 1.3  |

### Lab Control Spike - Batch: 560-16422

Method: 6010B

Preparation: 3050B

Lab Sample ID: LCS 560-16422/2-A

Client Matrix: Solid

Dilution: 1.0

Date Analyzed: 10/17/2007 1723

Date Prepared: 10/17/2007 1013

Analysis Batch: 560-16450

Prep Batch: 560-16422

Units: mg/Kg

Instrument ID: Perkin Elmer ICAP trace

Lab File ID: N/A

Initial Weight/Volume: 1.0 g

Final Weight/Volume: 50 mL

| Analyte | Spike Amount | Result | % Rec. | Limit    | Qual |
|---------|--------------|--------|--------|----------|------|
| Ag      | 40.0         | 43.0   | 108    | 80 - 120 |      |
| As      | 80.0         | 74.5   | 93     | 80 - 120 |      |
| Ba      | 80.0         | 76.6   | 96     | 80 - 120 |      |
| Cd      | 40.0         | 38.6   | 96     | 80 - 120 |      |
| Cr      | 80.0         | 77.5   | 97     | 80 - 120 |      |
| Pb      | 40.0         | 39.4   | 98     | 80 - 120 |      |
| Se      | 80.0         | 71.3   | 89     | 80 - 120 |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### Method Blank - Batch: 560-16422

**Method: 6020**  
**Preparation: 3050B**

Lab Sample ID: MB 560-16422/1-A  
Client Matrix: Solid  
Dilution: 20  
Date Analyzed: 10/25/2007 2344  
Date Prepared: 10/17/2007 1013

Analysis Batch: 560-16747  
Prep Batch: 560-16422  
Units: mg/Kg

Instrument ID: Agilent ICPMS  
Lab File ID: N/A  
Initial Weight/Volume: 1.0 g  
Final Weight/Volume: 50 mL

| Analyte | Result | Qual | MDL | RL  |
|---------|--------|------|-----|-----|
| Ca      | 20     | U    | 20  | 50  |
| K       | 20     | U    | 20  | 50  |
| Mg      | 20     | U    | 20  | 50  |
| Na      | 40     | U    | 40  | 100 |

### Method Blank - Batch: 560-16422

**Method: 6020**  
**Preparation: 3050B**

Lab Sample ID: MB 560-16422/1-A  
Client Matrix: Solid  
Dilution: 20  
Date Analyzed: 10/26/2007 1358  
Date Prepared: 10/17/2007 1013

Analysis Batch: 560-16792  
Prep Batch: 560-16422  
Units: mg/Kg

Instrument ID: Agilent ICPMS  
Lab File ID: N/A  
Initial Weight/Volume: 1.0 g  
Final Weight/Volume: 50 mL

| Analyte | Result | Qual | MDL | RL |
|---------|--------|------|-----|----|
| Ca      | 20     | U    | 20  | 50 |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### Lab Control Spike - Batch: 560-16422

Method: 6020  
Preparation: 3050B

Lab Sample ID: LCS 560-16422/2-A  
Client Matrix: Solid  
Dilution: 20  
Date Analyzed: 10/25/2007 2351  
Date Prepared: 10/17/2007 1013

Analysis Batch: 560-16747  
Prep Batch: 560-16422  
Units: mg/Kg

Instrument ID: Agilent ICPMS  
Lab File ID: N/A  
Initial Weight/Volume: 1.0 g  
Final Weight/Volume: 50 mL

| Analyte | Spike Amount | Result | % Rec. | Limit    | Qual |
|---------|--------------|--------|--------|----------|------|
| Ca      | 4000         | 4260   | 107    | 80 - 120 |      |
| K       | 4000         | 3840   | 96     | 80 - 120 |      |
| Mg      | 4000         | 4010   | 100    | 80 - 120 |      |
| Na      | 4000         | 4000   | 100    | 80 - 120 |      |

### Lab Control Spike - Batch: 560-16422

Method: 6020  
Preparation: 3050B

Lab Sample ID: LCS 560-16422/2-A  
Client Matrix: Solid  
Dilution: 20  
Date Analyzed: 10/26/2007 1405  
Date Prepared: 10/17/2007 1013

Analysis Batch: 560-16792  
Prep Batch: 560-16422  
Units: mg/Kg

Instrument ID: Agilent ICPMS  
Lab File ID: N/A  
Initial Weight/Volume: 1.0 g  
Final Weight/Volume: 50 mL

| Analyte | Spike Amount | Result | % Rec. | Limit    | Qual |
|---------|--------------|--------|--------|----------|------|
| Ca      | 4000         | 4630   | 116    | 80 - 120 |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### Method Blank - Batch: 560-16534

Lab Sample ID: MB 560-16534/3-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/22/2007 1357  
Date Prepared: 10/19/2007 1300

Analysis Batch: 560-16626  
Prep Batch: 560-16534  
Units: mg/Kg

### Method: 7471A Preparation: 7471A

Instrument ID: Mercury Analyzer Leeman  
Lab File ID: N/A  
Initial Weight/Volume: 0.6 g  
Final Weight/Volume: 50 mL

| Analyte | Result | Qual | MDL   | RL   |
|---------|--------|------|-------|------|
| Mercury | 0.042  | U    | 0.042 | 0.20 |

### Lab Control Spike - Batch: 560-16534

Lab Sample ID: LCS 560-16534/4-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/22/2007 1359  
Date Prepared: 10/19/2007 1300

Analysis Batch: 560-16626  
Prep Batch: 560-16534  
Units: mg/Kg

### Method: 7471A Preparation: 7471A

Instrument ID: Mercury Analyzer Leeman  
Lab File ID: N/A  
Initial Weight/Volume: 0.6 g  
Final Weight/Volume: 50 mL

| Analyte | Spike Amount | Result | % Rec. | Limit    | Qual |
|---------|--------------|--------|--------|----------|------|
| Mercury | 0.417        | 0.461  | 111    | 80 - 120 |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### Method Blank - Batch: 560-16511

Method: 300.0  
Preparation: N/A

Lab Sample ID: MB 560-16486/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/18/2007 1015  
Date Prepared: N/A  
Date Leached: 10/18/2007 1045

Analysis Batch: 560-16511  
Prep Batch: N/A  
Units: mg/Kg  
  
Leachate Batch: 560-16486

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

| Analyte    | Result | Qual | MDL  | RL   |
|------------|--------|------|------|------|
| Chloride-S | 0.14   | U    | 0.14 | 0.50 |

### Lab Control Spike - Batch: 560-16511

Method: 300.0  
Preparation: N/A

Lab Sample ID: LCS 560-16486/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/18/2007 1015  
Date Prepared: N/A  
Date Leached: 10/18/2007 1045

Analysis Batch: 560-16511  
Prep Batch: N/A  
Units: mg/Kg  
  
Leachate Batch: 560-16486

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

| Analyte    | Spike Amount | Result | % Rec. | Limit    | Qual |
|------------|--------------|--------|--------|----------|------|
| Chloride-S | 10.0         | 9.10   | 91     | 70 - 130 |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### Method Blank - Batch: 560-16591

**Method: 300.0**  
**Preparation: N/A**

Lab Sample ID: MB 560-16486/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/18/2007 1015  
Date Prepared: N/A  
Date Leached: 10/18/2007 1045

Analysis Batch: 560-16591  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

Leachate Batch: 560-16486

| Analyte    | Result | Qual | MDL  | RL   |
|------------|--------|------|------|------|
| Chloride-S | 0.14   | U    | 0.14 | 0.50 |

### Lab Control Spike - Batch: 560-16591

**Method: 300.0**  
**Preparation: N/A**

Lab Sample ID: LCS 560-16486/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 10/18/2007 1015  
Date Prepared: N/A  
Date Leached: 10/18/2007 1045

Analysis Batch: 560-16591  
Prep Batch: N/A  
Units: mg/Kg

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

Leachate Batch: 560-16486

| Analyte    | Spike Amount | Result | % Rec. | Limit    | Qual |
|------------|--------------|--------|--------|----------|------|
| Chloride-S | 10.0         | 9.10   | 91     | 70 - 130 |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.



## Quality Control Results

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

### Duplicate - Batch: 560-16416

**Method: PercentMoisture**  
**Preparation: N/A**

Lab Sample ID: 560-7038-6

Analysis Batch: 560-16416

Instrument ID: No Equipment Assigned

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: N/A

Dilution: 1.0

Units: %

Initial Weight/Volume:

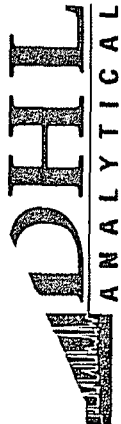
Date Analyzed: 10/16/2007 1400

Final Weight/Volume:

Date Prepared: N/A

| Analyte          | Sample Result/Qual | Result | RPD | Limit | Qual |
|------------------|--------------------|--------|-----|-------|------|
| Percent Moisture | 5.8                | 6.03   | 4   | 20    |      |
| Percent Solids   | 94                 | 94.0   | 0   | 20    |      |

Calculations are performed before rounding to avoid round-off errors in calculated results.



2300 Double Creek Drive • Round Rock, TX 78664  
Phone (512) 388-8222 • FAX (512) 388-8229

4/10c 17038  
12-1  
No 32563  
CHAIN-OF-CUSTODY

CLIENT: LARSON ASSOCIATES DATE: 10-12-07 PAGE 1 OF 1  
ADDRESS: \_\_\_\_\_ PO #: \_\_\_\_\_ DHL WORK ORDER #: \_\_\_\_\_  
PHONE: \_\_\_\_\_ PROJECT LOCATION OR NAME: Gunite Landfarm  
DATA REPORTED TO: MICHELLE GREEN CLIENT PROJECT #: 6-9108 COLLECTOR: R Brooks  
ADDITIONAL REPORT COPIES TO: \_\_\_\_\_

| Field Sample I.D.                                                                                                                 | S=SOIL<br>W=WATER<br>A=AIR |           | P=PAINT<br>SL=SLUDGE<br>OT=OTHER                            |                                 | Container Type | # of Containers | PRESERVATION |                  |                                     |     | ANALYSES | FIELD NOTES |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------|-------------------------------------------------------------|---------------------------------|----------------|-----------------|--------------|------------------|-------------------------------------|-----|----------|-------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                                                                                                                   | DHL Lab #                  | 2007 Date | Time                                                        | Matrix                          |                |                 | HCl          | HNO <sub>3</sub> | H <sub>2</sub> SO <sub>4</sub> NaOH | ICE |          |             | UNPRESERVED |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                                                                                   |                            |           |                                                             |                                 |                |                 |              |                  |                                     |     |          |             |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Cell 2D (2-3)<br>BACEROWS<br>Cell 2C (2-3)<br>Cell 2C (2-3)<br>Cell 1A (2-3)<br>Cell 1A-1 (2-3)<br>Cell 1B (2-3)<br>Cell 1C (2-3) |                            | 10-12-07  | 09:35<br>08:55<br>09:15<br>10:15<br>10:35<br>11:00<br>11:30 | S<br>S<br>S<br>S<br>S<br>S<br>S | 402            | 2               |              | X                | X                                   | X   | X        | X           | X           | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

RELINQUISHED BY: (Signature) [Signature] DATE/TIME 10/11/07 6:00 RECEIVED BY: (Signature) [Signature]  
RELINQUISHED BY: (Signature) [Signature] DATE/TIME 10/15/07 9:00 RECEIVED BY: (Signature) [Signature]  
RELINQUISHED BY: (Signature) [Signature] DATE/TIME 10/16/07 08:30 RECEIVED BY: (Signature) [Signature]  
RELINQUISHED BY: (Signature) [Signature] DATE/TIME 10/16/07 08:30 RECEIVED BY: (Signature) [Signature]

TURN AROUND TIME  
RUSH ☐ CALL FIRST  
1 DAY ☐ CALL FIRST  
2 DAY ☐  
NORMAL ☐  
OTHER ☒ 7 day

LABORATORY USE ONLY:  
RECEIVING TEMP: \_\_\_\_\_ THERM #: \_\_\_\_\_  
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED  
☐ CARRIER BILL # \_\_\_\_\_  
☐ APC DELIVERY  
☐ HAND DELIVERED

## Login Sample Receipt Check List

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

Login Number: 7038

Creator: Ortiz, Paul

List Number: 1

List Source: TestAmerica Corpus Christi

| Question                                                                         | T / F / NA | Comment   |
|----------------------------------------------------------------------------------|------------|-----------|
| Radioactivity either was not measured or, if measured, is at or below background | N/A        |           |
| The cooler's custody seal, if present, is intact.                                | True       |           |
| The cooler or samples do not appear to have been compromised or tampered with.   | True       |           |
| Samples were received on ice.                                                    | True       |           |
| Cooler Temperature is acceptable.                                                | True       |           |
| Cooler Temperature is recorded.                                                  | True       | 4.1C IR 1 |
| COC is present.                                                                  | True       |           |
| COC is filled out in ink and legible.                                            | True       |           |
| COC is filled out with all pertinent information.                                | True       |           |
| There are no discrepancies between the sample IDs on the containers and the COC. | True       |           |
| Samples are received within Holding Time.                                        | True       |           |
| Sample containers have legible labels.                                           | True       |           |
| Containers are not broken or leaking.                                            | True       |           |
| Sample collection date/times are provided.                                       | True       |           |
| Appropriate sample containers are used.                                          | True       |           |
| Sample bottles are completely filled.                                            | True       |           |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True       |           |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.     | N/A        |           |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True       |           |
| Multiphasic samples are not present.                                             | True       |           |
| Samples do not require splitting or compositing.                                 | True       |           |

## Login Sample Receipt Check List

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

**Login Number: 7038**  
**Creator: Hedaria, Raven**  
**List Number: 1**

**List Source: TestAmerica Pensacola**  
**List Creation: 10/17/07 11:07 AM**

| Question                                                                         | T / F / NA | Comment |
|----------------------------------------------------------------------------------|------------|---------|
| Radioactivity either was not measured or, if measured, is at or below background | N/A        |         |
| The cooler's custody seal, if present, is intact.                                | True       |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True       |         |
| Samples were received on ice.                                                    | True       |         |
| Cooler Temperature is acceptable.                                                | True       | 1.7°C   |
| Cooler Temperature is recorded.                                                  | True       |         |
| COC is present.                                                                  | True       |         |
| COC is filled out in ink and legible.                                            | True       |         |
| COC is filled out with all pertinent information.                                | True       |         |
| There are no discrepancies between the sample IDs on the containers and the COC. | True       |         |
| Samples are received within Holding Time.                                        | True       |         |
| Sample containers have legible labels.                                           | True       |         |
| Containers are not broken or leaking.                                            | True       |         |
| Sample collection date/times are provided.                                       | True       |         |
| Appropriate sample containers are used.                                          | True       |         |
| Sample bottles are completely filled.                                            | True       |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True       |         |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.     | N/A        |         |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True       |         |
| Multiphasic samples are not present.                                             | True       |         |
| Samples do not require splitting or compositing.                                 | True       |         |

## Login Sample Receipt Check List

Client: Larson & Associates, Inc.

Job Number: 560-7038-1

Login Number: 7038

Creator: Whitmire, Cheyenne

List Number: 2

List Source: TestAmerica Pensacola

List Creation: 10/18/07 04:54 PM

| Question                                                                         | T / F / NA | Comment |
|----------------------------------------------------------------------------------|------------|---------|
| Radioactivity either was not measured or, if measured, is at or below background | N/A        |         |
| The cooler's custody seal, if present, is intact.                                | N/A        |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True       |         |
| Samples were received on ice.                                                    | True       |         |
| Cooler Temperature is acceptable.                                                | True       |         |
| Cooler Temperature is recorded.                                                  | True       |         |
| COC is present.                                                                  | True       |         |
| COC is filled out in ink and legible.                                            | True       |         |
| COC is filled out with all pertinent information.                                | True       |         |
| There are no discrepancies between the sample IDs on the containers and the COC. | True       |         |
| Samples are received within Holding Time.                                        | True       |         |
| Sample containers have legible labels.                                           | True       |         |
| Containers are not broken or leaking.                                            | True       |         |
| Sample collection date/times are provided.                                       | True       |         |
| Appropriate sample containers are used.                                          | True       |         |
| Sample bottles are completely filled.                                            | True       |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True       |         |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.     | N/A        |         |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True       |         |
| Multiphasic samples are not present.                                             | True       |         |
| Samples do not require splitting or compositing.                                 | True       |         |

# ENVIRONMENTAL LAB OF LTD.

"Don't Treat Your Soil Like Dirt!"

## Larson & Associates

ATTN: Michelle Green

P.O. Box 50685

Midland, TX 79710

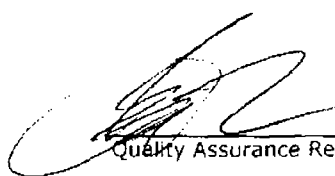
FAX: 432-687-0456

Sample Type: Soil  
Sample Condition: Intact/ 20.5 deg C  
Lab ID # 301928-001  
Project Name: None Given  
Project # 6-0108  
Project Location: None Given

Sample Date: 04/16/08  
Sample Time: 13:45  
Receiving Date: 04/17/08  
Analysis Date: 04/18/08  
Analysis Time: 10:47  
Field Code: Cell 1A (3-4)

| Analysis Description | Analysis Results pCi/gm | Analysis Error +/- 2σ | Analysis Results Bq/gm | Analysis Error +/- 2σ | Analysis Test Method | Analysis Technician |
|----------------------|-------------------------|-----------------------|------------------------|-----------------------|----------------------|---------------------|
| Ra-226               | <1.23                   | N/A                   | <0.04                  | N/A                   | EPA 901.1M           | IR                  |
| Ra-228               | <0.28                   | N/A                   | <0.01                  | N/A                   | EPA 901.1M           | IR                  |
| Pb-210               | <1.20                   | N/A                   | <0.04                  | N/A                   | EPA 901.1M           | IR                  |
| Th-228               | <3.36                   | N/A                   | <0.12                  | N/A                   | EPA 901.1M           | IR                  |
| Total Activity       | NSLF                    | N/A                   | NSLF                   | N/A                   | EPA 901.1M           | IR                  |

Notes: NSLF - No Spectral Lines Found

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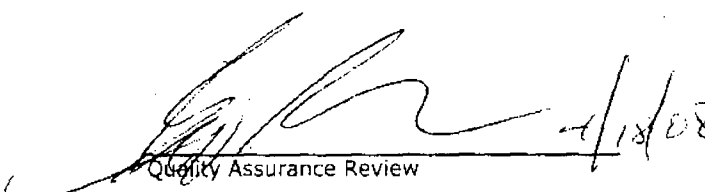
**Larson & Associates**

ATTN: Michelle Green  
P.O. Box 50685  
Midland, TX 79710  
FAX: 432-687-0456

Sample Type: Soil  
Sample Condition: Intact/ 20.5 deg C  
Lab ID # 301928-002  
Project Name: None Given  
Project # 6-0108  
Project Location: None Given

Sample Date: 04/16/08  
Sample Time: 14:00  
Receiving Date: 04/17/08  
Analysis Date: 04/18/08  
Analysis Time: 11:03  
Field Code: Cell 1B (3-4)

| Analysis Description                  | Analysis Results<br>pCi/gm | Analysis Error<br>+/- 2σ | Analysis Results<br>Bq/gm | Analysis Error<br>+/- 2σ | Analysis Test Method | Analysis Technician |
|---------------------------------------|----------------------------|--------------------------|---------------------------|--------------------------|----------------------|---------------------|
| Ra-226                                | <1.67                      | N/A                      | <0.06                     | N/A                      | EPA 901.1M           | IR                  |
| Ra-228                                | <0.32                      | N/A                      | <0.01                     | N/A                      | EPA 901.1M           | IR                  |
| Pb-210                                | <1.69                      | N/A                      | <0.06                     | N/A                      | EPA 901.1M           | IR                  |
| Th-228                                | <4.90                      | N/A                      | <0.18                     | N/A                      | EPA 901.1M           | IR                  |
| Total Activity                        | NSLF                       | N/A                      | NSLF                      | N/A                      | EPA 901.1M           | IR                  |
| Notes: NSLF - No Spectral Lines Found |                            |                          |                           |                          |                      |                     |

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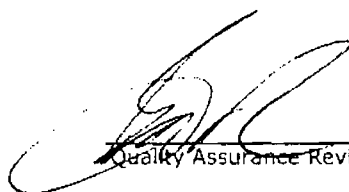
## Larson & Associates

ATTN: Michelle Green  
P.O. Box 50685  
Midland, TX 79710  
FAX: 432-687-0456

Sample Type: Soil  
Sample Condition: Intact/ 20.5 deg C  
Lab ID # 301928-003  
Project Name: None Given  
Project # 6-0108  
Project Location: None Given

Sample Date: 04/16/08  
Sample Time: 13:00  
Receiving Date: 04/17/08  
Analysis Date: 04/18/08  
Analysis Time: 11:29  
Field Code: Cell 1C (3-4)

| Analysis Description | Analysis Results<br>pCi/gm | Analysis Error<br>+/- 2σ | Analysis Results<br>Bq/gm | Analysis Error<br>+/- 2σ | Analysis Test Method | Analysis Technician |
|----------------------|----------------------------|--------------------------|---------------------------|--------------------------|----------------------|---------------------|
| Ra-226               | <1.72                      | N/A                      | <0.06                     | N/A                      | EPA 901.1M           | IR                  |
| Ra-228               | <0.25                      | N/A                      | <0.01                     | N/A                      | EPA 901.1M           | IR                  |
| Pb-210               | <1.47                      | N/A                      | <0.05                     | N/A                      | EPA 901.1M           | IR                  |
| Th-228               | <4.86                      | N/A                      | <0.18                     | N/A                      | EPA 901.1M           | IR                  |
| Total Activity       | 3.11                       | N/A                      | 0.12                      | N/A                      | EPA 901.1M           | IR                  |
| Notes:               |                            |                          |                           |                          |                      |                     |

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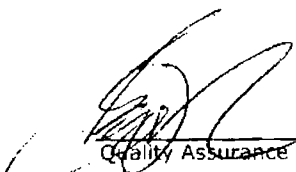
ATTN: Michelle Green  
P.O. Box 50685  
Midland, TX 79710  
FAX: 432-687-0456

Sample Type: Soil  
Sample Condition: Intact/ 20.5 deg C  
Lab ID # 301928-004  
Project Name: None Given  
Project # 6-0108  
Project Location: None Given

Sample Date: 04/16/08  
Sample Time: 13:30  
Receiving Date: 04/17/08  
Analysis Date: 04/18/08  
Analysis Time: 11:44  
Field Code: Cell 1C-1 (3-4)

| Analysis Description | Analysis Results pCi/gm | Analysis Error +/- 2σ | Analysis Results Bq/gm | Analysis Error +/- 2σ | Analysis Test Method | Analysis Technician |
|----------------------|-------------------------|-----------------------|------------------------|-----------------------|----------------------|---------------------|
| Ra-226               | <1.28                   | N/A                   | <0.04                  | N/A                   | EPA 901.1M           | IR                  |
| Ra-228               | <0.26                   | N/A                   | <0.01                  | N/A                   | EPA 901.1M           | IR                  |
| Pb-210               | <1.18                   | N/A                   | <0.04                  | N/A                   | EPA 901.1M           | IR                  |
| Th-228               | <3.68                   | N/A                   | <0.14                  | N/A                   | EPA 901.1M           | IR                  |
| Total Activity       | NSLF                    | N/A                   | NSLF                   | N/A                   | EPA 901.1M           | IR                  |

Notes: NSLF - No Spectral Lines Found

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## Larson & Associates

ATTN: Michelle Green  
P.O. Box 50685  
Midland, TX 79710  
FAX: 432-687-0456

Sample Type: Soil  
Sample Condition: Intact/ 20.5 deg C  
Lab ID # 301928-005  
Project Name: None Given  
Project # 6-0108  
Project Location: None Given

Sample Date: 04/16/08  
Sample Time: 10:00  
Receiving Date: 04/17/08  
Analysis Date: 04/18/08  
Analysis Time: 12:24  
Field Code: Cell 2A (3-4)

| Analysis Description                  | Analysis Results pCi/gm | Analysis Error +/- 2σ | Analysis Results Bq/gm | Analysis Error +/- 2σ | Analysis Test Method | Analysis Technician |
|---------------------------------------|-------------------------|-----------------------|------------------------|-----------------------|----------------------|---------------------|
| Ra-226                                | <1.32                   | N/A                   | <0.05                  | N/A                   | EPA 901.1M           | IR                  |
| Ra-228                                | <0.24                   | N/A                   | <0.01                  | N/A                   | EPA 901.1M           | IR                  |
| Pb-210                                | <1.39                   | N/A                   | <0.05                  | N/A                   | EPA 901.1M           | IR                  |
| Th-228                                | <4.22                   | N/A                   | <0.16                  | N/A                   | EPA 901.1M           | IR                  |
| Total Activity                        | NSLF                    | N/A                   | NSLF                   | N/A                   | EPA 901.1M           | IR                  |
| Notes: NSLF - No Spectral Lines Found |                         |                       |                        |                       |                      |                     |

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## Larson & Associates

ATTN: Michelle Green  
P.O. Box 50685  
Midland, TX 79710  
FAX: 432-687-0456

Sample Type: Soil  
Sample Condition: Intact/ 20.5 deg C  
Lab ID # 301928-006  
Project Name: None Given  
Project # 6-0108  
Project Location: None Given

Sample Date: 04/16/08  
Sample Time: 12:00  
Receiving Date: 04/17/08  
Analysis Date: 04/18/08  
Analysis Time: 12:39  
Field Code: Cell 2B (3-4)

| Analysis Description                  | Analysis Results<br>pCi/gm | Analysis Error<br>+/- 2σ | Analysis Results<br>Bq/gm | Analysis Error<br>+/- 2σ | Analysis Test Method | Analysis Technician |
|---------------------------------------|----------------------------|--------------------------|---------------------------|--------------------------|----------------------|---------------------|
| Ra-226                                | <1.27                      | N/A                      | <0.05                     | N/A                      | EPA 901.1M           | IR                  |
| Ra-228                                | <0.26                      | N/A                      | <0.01                     | N/A                      | EPA 901.1M           | IR                  |
| Pb-210                                | <1.16                      | N/A                      | <0.04                     | N/A                      | EPA 901.1M           | IR                  |
| Th-228                                | <3.30                      | N/A                      | <0.12                     | N/A                      | EPA 901.1M           | IR                  |
| Total Activity                        | NSLF                       | N/A                      | NSLF                      | N/A                      | EPA 901.1M           | IR                  |
| Notes: NSLF - No Spectral Lines Found |                            |                          |                           |                          |                      |                     |

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**Larson & Associates**

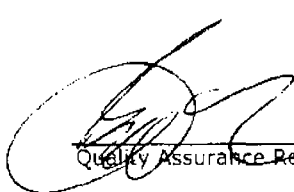
ATTN: Michelle Green  
P.O. Box 50685  
Midland, TX 79710  
FAX: 432-687-0456

Sample Type: Soil  
Sample Condition: Intact/ 20.5 deg C  
Lab ID # 301928-007  
Project Name: None Given  
Project # 6-0108  
Project Location: None Given

Sample Date: 04/16/08  
Sample Time: 11:30  
Receiving Date: 04/17/08  
Analysis Date: 04/18/08  
Analysis Time: 13:07  
Field Code: Cell 2C (3-4)

| Analysis Description | Analysis Results<br>pCi/gm | Analysis Error<br>+/- 2σ | Analysis Results<br>Bq/gm | Analysis Error<br>+/- 2σ | Analysis Test Method | Analysis Technician |
|----------------------|----------------------------|--------------------------|---------------------------|--------------------------|----------------------|---------------------|
| Ra-226               | <1.29                      | N/A                      | <0.05                     | N/A                      | EPA 901.1M           | IR                  |
| Ra-228               | <0.24                      | N/A                      | <0.01                     | N/A                      | EPA 901.1M           | IR                  |
| Pb-210               | <1.13                      | N/A                      | <0.04                     | N/A                      | EPA 901.1M           | IR                  |
| Th-228               | <3.54                      | N/A                      | <0.13                     | N/A                      | EPA 901.1M           | IR                  |
| Total Activity       | NSLF                       | N/A                      | NSLF                      | N/A                      | EPA 901.1M           | IR                  |

Notes: NSLF - No Spectral Lines Found

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"Don't Treat Your Soil Like Dirt!"

## Larson & Associates

ATTN: Michelle Green

P.O. Box 50685

Midland, TX 79710

FAX: 432-687-0456

Sample Type: Soil  
Sample Condition: Intact/ 20.5 deg C  
Lab ID # 301928-008  
Project Name: None Given  
Project # 6-0108  
Project Location: None Given

Sample Date: 04/16/08  
Sample Time: 11:50  
Receiving Date: 04/17/08  
Analysis Date: 04/18/08  
Analysis Time: 13:21  
Field Code: Cell 2D (3-4)

| Analysis Description                  | Analysis Results<br>pCi/gm | Analysis Error<br>+/- 2σ | Analysis Results<br>Bq/gm | Analysis Error<br>+/- 2σ | Analysis Test Method | Analysis Technician |
|---------------------------------------|----------------------------|--------------------------|---------------------------|--------------------------|----------------------|---------------------|
| Ra-226                                | <1.64                      | N/A                      | <0.06                     | N/A                      | EPA 901.1M           | IR                  |
| Ra-228                                | <0.22                      | N/A                      | <0.01                     | N/A                      | EPA 901.1M           | IR                  |
| Pb-210                                | <1.50                      | N/A                      | <0.06                     | N/A                      | EPA 901.1M           | IR                  |
| Th-228                                | <4.22                      | N/A                      | <0.16                     | N/A                      | EPA 901.1M           | IR                  |
| Total Activity                        | NSLF                       | N/A                      | NSLF                      | N/A                      | EPA 901.1M           | IR                  |
| Notes: NSLF - No Spectral Lines Found |                            |                          |                           |                          |                      |                     |

  
Quality Assurance Review 4/18/08

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## Notes:

### Comments:

1. Soil and Sludge analysis results are reported on a wet basis or as received basis unless otherwise indicated.
2. The data in this report are within the limits of uncertainty specified in the reference method unless otherwise specified.
3. Modified analysis procedures are procedures that are modified to meet certain specifications. An example would be the use of a water method to analyze a solid matrix due to the lack of an officially recognized procedure for the analysis of the solid matrix.
4. Derived Air Concentrations and Effluent Release Concentrations are obtained from 10 CFR 20 Appendix B.
5. Total activity is actually total gamma activity and is determined utilizing the prominent gamma emitters from the naturally occurring decay chains and other prominent radioactive isotopes. Total activity may be lower than actual total activity due to the extent of secular equilibrium achieved in the various decay chains at the time of analysis. The total activity is not representative of isotopes that emit solely alpha or beta radiation.
6. Ra-228 is determined via secular equilibrium with its daughter, Actinium 228. (Gamma Spectroscopy only)
7. U-238 is determined via secular equilibrium with its daughter, Thorium 234. (Gamma Spectroscopy only).
8. All Gamma Spectroscopy was performed using high purity germanium detectors (HPGE).

### Method References:

1. EPA 600/4-80-032, Prescribed Procedures for the Measurement of Radioactivity in Drinking Water, August 1980.
2. Standard Methods for the Examination of Water and Waste Water, 18<sup>th</sup>, 1992.
3. EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, (9/86). (Updated through 1995)
4. EPA 600/4/79-020, Methods for Chemical Analysis of Water and Waste, March 1983.
5. HASL 300

### Definitions:

- |     |                 |                                                                                         |
|-----|-----------------|-----------------------------------------------------------------------------------------|
| 1.  | BDL             | Analyte not detected because the value was below the detection limit.                   |
| 2.  | ND              | Not detected above the detection limit.                                                 |
| 3.  | Detection Limit | The minimum amount of the analyte that can be detected utilizing the specific analysis. |
| 4.  | B               | Method Blank                                                                            |
| 5.  | D               | Method Duplicate                                                                        |
| 6.  | MS              | Matrix Spike                                                                            |
| 7.  | S               | Spike                                                                                   |
| 8.  | RS              | Reference Spike                                                                         |
| 9.  | SC              | Subcontracted to qualified laboratory                                                   |
| 10. | NR              | Not Referenced                                                                          |
| 11. | N/A             | Not applicable                                                                          |
| 12. | MDA             | Minimum detectable activity                                                             |

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2300 Double Creek Drive • Round Rock, TX 78664  
Phone (512) 388-8222 • FAX (512) 388-8229

No 35932

# CHAIN-OF-CUSTODY

|                                        |                             |                                 |
|----------------------------------------|-----------------------------|---------------------------------|
| CLIENT: <u>LARSON ASSOCIATES</u>       | DATE: <u>4-16-08</u>        | PAGE: <u>1</u> OF <u>1</u>      |
| ADDRESS: _____                         | PO #: _____                 | DHL WORK ORDER #: <u>30128</u>  |
| PHONE: _____                           | FAX: _____                  | PROJECT LOCATION OR NAME: _____ |
| DATA REPORTED TO: <u>MICHAEL GREEN</u> | COLLECTOR: <u>R. BARRIS</u> | CLIENT PROJECT #: <u>6-0108</u> |
| ADDITIONAL REPORT COPIES TO: _____     |                             |                                 |

| Field Sample I.D. | S-SOIL<br>W-WATER<br>A-AIR |      |       | P-PAINT<br>SL-SLUDGE<br>OT-OTHER |     |                  | Container Type | # of Containers | PRESERVATION                          |             |  |  | FIELD NOTES |  |
|-------------------|----------------------------|------|-------|----------------------------------|-----|------------------|----------------|-----------------|---------------------------------------|-------------|--|--|-------------|--|
|                   | DHL Lab #                  | Date | Time  | Matrix                           | HCl | HNO <sub>3</sub> |                |                 | H <sub>2</sub> SO <sub>4</sub> / NaOH | UNPRESERVED |  |  |             |  |
| Cell 1A (3-4)     |                            | 4/16 | 1:45  | S                                |     |                  |                |                 |                                       |             |  |  |             |  |
| Cell 1B (3-4)     |                            |      | 2:00  |                                  |     |                  |                |                 |                                       |             |  |  |             |  |
| Cell 1C (3-4)     |                            |      | 1:00  |                                  |     |                  |                |                 |                                       |             |  |  |             |  |
| Cell 1C-1 (3-4)   |                            |      | 1:30  |                                  |     |                  |                |                 |                                       |             |  |  |             |  |
| Cell 2A (3-4)     |                            |      | 10:00 |                                  |     |                  |                |                 |                                       |             |  |  |             |  |
| Cell 2B (3-4)     |                            |      | 12:00 |                                  |     |                  |                |                 |                                       |             |  |  |             |  |
| Cell 2C (3-4)     |                            |      | 11:30 |                                  |     |                  |                |                 |                                       |             |  |  |             |  |
| Cell 2D (3-4)     |                            |      | 11:50 |                                  |     |                  |                |                 |                                       |             |  |  |             |  |

|                                                            |           |                          |           |                                                                  |                         |
|------------------------------------------------------------|-----------|--------------------------|-----------|------------------------------------------------------------------|-------------------------|
| TOTAL                                                      |           | TURN AROUND TIME         |           | LABORATORY USE ONLY:                                             |                         |
| RELINQUISHED BY: (Signature)                               | DATE/TIME | RECEIVED BY: (Signature) | DATE/TIME | RECEIVING TEMP: <u>70.0</u>                                      | THERM #: _____          |
| RELINQUISHED BY: (Signature)                               | DATE/TIME | RECEIVED BY: (Signature) | DATE/TIME | CUSTODY SEALS: <u>1</u> BROKEN <u>1</u> INTACT <u>1</u> NOT USED | CARRIER BILL # _____    |
| RELINQUISHED BY: (Signature)                               | DATE/TIME | RECEIVED BY: (Signature) | DATE/TIME | <u>1</u> APC DELIVERY                                            | <u>1</u> HAND DELIVERED |
| DHL DISPOSAL @ \$5.00 each <input type="checkbox"/> Return |           | Ziggle Bay               |           |                                                                  |                         |

# Environmental Lab of Texas

## Variance/ Corrective Action Report- Sample Log-In

Client: Larson & Assoc.  
 Date/ Time: 4-17-08 9:30  
 Lab ID #: 301928  
 Initials: AL

### Sample Receipt Checklist

|     |                                                        |            |           | Client Initials                |
|-----|--------------------------------------------------------|------------|-----------|--------------------------------|
| #1  | Temperature of container/ cooler?                      | <u>Yes</u> | No        | 20.5 °C                        |
| #2  | Shipping container in good condition?                  | <u>Yes</u> | No        |                                |
| #3  | Custody Seals intact on shipping container/ cooler?    | Yes        | No        | <u>Not Present</u>             |
| #4  | Custody Seals intact on sample bottles/ container?     | Yes        | No        | <u>Not Present</u>             |
| #5  | Chain of Custody present?                              | <u>Yes</u> | No        |                                |
| #6  | Sample instructions complete of Chain of Custody?      | <u>Yes</u> | No        |                                |
| #7  | Chain of Custody signed when relinquished/ received?   | <u>Yes</u> | No        |                                |
| #8  | Chain of Custody agrees with sample label(s)?          | Yes        | No        | <u>ID written on Cont/ Lid</u> |
| #9  | Container label(s) legible and intact?                 | Yes        | No        | <u>Not Applicable</u>          |
| #10 | Sample matrix/ properties agree with Chain of Custody? | <u>Yes</u> | No        |                                |
| #11 | Containers supplied by EL0T?                           | Yes        | <u>No</u> |                                |
| #12 | Samples in proper container/ bottle?                   | <u>Yes</u> | No        | See Below                      |
| #13 | Samples properly preserved?                            | <u>Yes</u> | No        | See Below                      |
| #14 | Sample bottles intact?                                 | <u>Yes</u> | No        |                                |
| #15 | Preservations documented on Chain of Custody?          | <u>Yes</u> | No        |                                |
| #16 | Containers documented on Chain of Custody?             | <u>Yes</u> | No        |                                |
| #17 | Sufficient sample amount for indicated test(s)?        | <u>Yes</u> | No        | See Below                      |
| #18 | All samples received within sufficient hold time?      | <u>Yes</u> | No        | See Below                      |
| #19 | Subcontract of sample(s)?                              | Yes        | No        | <u>Not Applicable</u>          |
| #20 | VOC samples have zero headspace?                       | Yes        | No        | <u>Not Applicable</u>          |

### Variance Documentation

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/ Time: \_\_\_\_\_  
 Regarding: \_\_\_\_\_

Corrective Action Taken:

- Check all that Apply:
- ☐ See attached e-mail/ fax
  - ☐ Client understands and would like to proceed with analysis
  - ☐ Cooling process had begun shortly after sampling event





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## Analytical and Quality Control Report

Michelle Green  
Larson and Associates, Inc.  
P. O. Box 50685  
Midland, Tx, 79710

Report Date: February 12, 2007

Work Order: 7020215



Project Name: Eunice Land Farm  
Project Number: 6-0108

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

| Sample | Description    | Matrix | Date Taken | Time Taken | Date Received |
|--------|----------------|--------|------------|------------|---------------|
| 115428 | Cell 1A (0-1') | soil   | 2007-02-01 | 15:03      | 2007-02-02    |
| 115429 | Cell 1B (0-1') | soil   | 2007-02-01 | 15:11      | 2007-02-02    |
| 115430 | Cell 1C (0-1') | soil   | 2007-02-01 | 15:20      | 2007-02-02    |

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 13 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

### Standard Flags

**B** - The sample contains less than ten times the concentration found in the method blank.

## Analytical Report

### Sample: 115428 - Cell 1A (0-1')

Analysis: BTEX  
QC Batch: 34248  
Prep Batch: 29718

Analytical Method: S 8021B  
Date Analyzed: 2007-02-02  
Sample Preparation:

Prep Method: S 5035  
Analyzed By: ss  
Prepared By: ss

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL     |
|--------------|------|--------------|-------|----------|--------|
| Benzene      |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Toluene      |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Ethylbenzene |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Xylene       |      | <0.0100      | mg/Kg | 1        | 0.0100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.941  | mg/Kg | 1        | 1.00            | 94                  | 69 - 113           |
| 4-Bromofluorobenzene (4-BFB) |      | 0.947  | mg/Kg | 1        | 1.00            | 95                  | 63.4 - 121         |

### Sample: 115428 - Cell 1A (0-1')

Analysis: Chloride (IC)  
QC Batch: 34292  
Prep Batch: 29758

Analytical Method: E 300.0  
Date Analyzed: 2007-02-05  
Sample Preparation: 2007-02-02

Prep Method: N/A  
Analyzed By: AR  
Prepared By: AR

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| Chloride  |      | 102          | mg/Kg | 10       | 1.00 |

### Sample: 115428 - Cell 1A (0-1')

Analysis: TPH DRO  
QC Batch: 34285  
Prep Batch: 29749

Analytical Method: Mod. 8015B  
Date Analyzed: 2007-02-05  
Sample Preparation: 2007-02-05

Prep Method: N/A  
Analyzed By: WR  
Prepared By: WR

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| DRO       |      | <50.0        | mg/Kg | 1        | 50.0 |

| Surrogate     | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|---------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| n-Triacontane |      | 131    | mg/Kg | 1        | 150             | 87                  | 70 - 130           |

### Sample: 115428 - Cell 1A (0-1')

Analysis: TPH GRO  
QC Batch: 34246  
Prep Batch: 29715

Analytical Method: S 8015B  
Date Analyzed: 2007-02-02  
Sample Preparation:

Prep Method: S 5035  
Analyzed By: ss  
Prepared By: ss

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| GRO       |      | <1.00        | mg/Kg | 1        | 1.00 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.807  | mg/Kg | 1        | 1.00            | 81                  | 70 - 130           |
| 4-Bromofluorobenzene (4-BFB) |      | 1.04   | mg/Kg | 1        | 1.00            | 104                 | 70 - 130           |

**Sample: 115429 - Cell 1B (0-1')**

Analysis: BTEX  
QC Batch: 34248  
Prep Batch: 29718

Analytical Method: S 8021B  
Date Analyzed: 2007-02-02  
Sample Preparation:

Prep Method: S 5035  
Analyzed By: ss  
Prepared By: ss

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL     |
|--------------|------|--------------|-------|----------|--------|
| Benzene      |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Toluene      |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Ethylbenzene |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Xylene       |      | <0.0100      | mg/Kg | 1        | 0.0100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.949  | mg/Kg | 1        | 1.00            | 95                  | 69 - 113           |
| 4-Bromofluorobenzene (4-BFB) |      | 0.948  | mg/Kg | 1        | 1.00            | 95                  | 63.4 - 121         |

**Sample: 115429 - Cell 1B (0-1')**

Analysis: Chloride (IC)  
QC Batch: 34292  
Prep Batch: 29758

Analytical Method: E 300.0  
Date Analyzed: 2007-02-05  
Sample Preparation: 2007-02-02

Prep Method: N/A  
Analyzed By: AR  
Prepared By: AR

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| Chloride  |      | 46.9         | mg/Kg | 5        | 1.00 |

**Sample: 115429 - Cell 1B (0-1')**

Analysis: TPH DRO  
QC Batch: 34285  
Prep Batch: 29749

Analytical Method: Mod. 8015B  
Date Analyzed: 2007-02-05  
Sample Preparation: 2007-02-05

Prep Method: N/A  
Analyzed By: WR  
Prepared By: WR

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| DRO       |      | <50.0        | mg/Kg | 1        | 50.0 |

| Surrogate     | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|---------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| n-Triacontane |      | 123    | mg/Kg | 1        | 150             | 82                  | 70 - 130           |

**Sample: 115429 - Cell 1B (0-1')**

Analysis: TPH GRO  
QC Batch: 34246  
Prep Batch: 29715

Analytical Method: S 8015B  
Date Analyzed: 2007-02-02  
Sample Preparation:

Prep Method: S 5035  
Analyzed By: ss  
Prepared By: ss

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| GRO       |      | <1.00        | mg/Kg | 1        | 1.00 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.813  | mg/Kg | 1        | 1.00            | 81                  | 70 - 130           |
| 4-Bromofluorobenzene (4-BFB) |      | 1.08   | mg/Kg | 1        | 1.00            | 108                 | 70 - 130           |

**Sample: 115430 - Cell 1C (0-1')**

Analysis: BTEX  
QC Batch: 34248  
Prep Batch: 29718

Analytical Method: S 8021B  
Date Analyzed: 2007-02-02  
Sample Preparation:

Prep Method: S 5035  
Analyzed By: ss  
Prepared By: ss

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL     |
|--------------|------|--------------|-------|----------|--------|
| Benzene      |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Toluene      |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Ethylbenzene |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Xylene       |      | <0.0100      | mg/Kg | 1        | 0.0100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.943  | mg/Kg | 1        | 1.00            | 94                  | 69 - 113           |
| 4-Bromofluorobenzene (4-BFB) |      | 0.964  | mg/Kg | 1        | 1.00            | 96                  | 63.4 - 121         |

**Sample: 115430 - Cell 1C (0-1')**

Analysis: Chloride (IC)  
QC Batch: 34335  
Prep Batch: 29821

Analytical Method: E 300.0  
Date Analyzed: 2007-02-06  
Sample Preparation: 2007-02-05

Prep Method: N/A  
Analyzed By: AR  
Prepared By: AR

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| Chloride  |      | 77.5         | mg/Kg | 5        | 1.00 |

**Sample: 115430 - Cell 1C (0-1')**

Analysis: TPH DRO  
QC Batch: 34285  
Prep Batch: 29749

Analytical Method: Mod. 8015B  
Date Analyzed: 2007-02-05  
Sample Preparation: 2007-02-05

Prep Method: N/A  
Analyzed By: WR  
Prepared By: WR

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| DRO       |      | 87.7         | mg/Kg | 1        | 50.0 |

| Surrogate     | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|---------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| n-Triacontane |      | 122    | mg/Kg | 1        | 150             | 81                  | 70 - 130           |

**Sample: 115430 - Cell 1C (0-1')**

Analysis: TPH GRO  
QC Batch: 34246  
Prep Batch: 29715

Analytical Method: S 8015B  
Date Analyzed: 2007-02-02  
Sample Preparation:

Prep Method: S 5035  
Analyzed By: ss  
Prepared By: ss

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| GRO       |      | 5.17         | mg/Kg | 1        | 1.00 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.815  | mg/Kg | 1        | 1.00            | 82                  | 70 - 130           |
| 4-Bromofluorobenzene (4-BFB) |      | 1.12   | mg/Kg | 1        | 1.00            | 112                 | 70 - 130           |

**Method Blank (1) QC Batch: 34246**

QC Batch: 34246  
Prep Batch: 29715

Date Analyzed: 2007-02-02  
QC Preparation: 2007-02-02

Analyzed By: ss  
Prepared By: ss

| Parameter | Flag | MDL<br>Result | Units | RL |
|-----------|------|---------------|-------|----|
| GRO       |      | <0.829        | mg/Kg | 1  |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.786  | mg/Kg | 1        | 0.00            | 89                  | 70 - 130           |
| 4-Bromofluorobenzene (4-BFB) |      | 0.951  | mg/Kg | 1        | 0.00            | 103                 | 70 - 130           |

**Method Blank (1) QC Batch: 34248**

QC Batch: 34248  
Prep Batch: 29718

Date Analyzed: 2007-02-02  
QC Preparation: 2007-02-02

Analyzed By: ss  
Prepared By: ss

| Parameter    | Flag | MDL<br>Result | Units | RL   |
|--------------|------|---------------|-------|------|
| Benzene      |      | <0.00110      | mg/Kg | 0.01 |
| Toluene      |      | <0.00150      | mg/Kg | 0.01 |
| Ethylbenzene |      | <0.00160      | mg/Kg | 0.01 |
| Xylene       |      | <0.00410      | mg/Kg | 0.01 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT)       |      | 0.952  | mg/Kg | 1        | 1.00         | 95               | 69 - 113        |
| 4-Bromofluorobenzene (4-BFB) |      | 0.853  | mg/Kg | 1        | 1.00         | 85               | 63.4 - 121      |

**Method Blank (1)** QC Batch: 34285

QC Batch: 34285  
Prep Batch: 29749

Date Analyzed: 2007-02-05  
QC Preparation: 2007-02-05

Analyzed By: WR  
Prepared By: WR

| Parameter | Flag | MDL Result | Units | RL |
|-----------|------|------------|-------|----|
| DRO       |      | <15.4      | mg/Kg | 50 |

| Surrogate     | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|---------------|------|--------|-------|----------|--------------|------------------|-----------------|
| n-Triacontane |      | 153    | mg/Kg | 1        | 150          | 102              | 70 - 130        |

**Matrix Blank (1)** QC Batch: 34292

QC Batch: 34292  
Prep Batch: 29758

Date Analyzed: 2007-02-05  
QC Preparation: 2007-02-02

Analyzed By: AR  
Prepared By: AR

| Parameter | Flag | MDL Result | Units | RL |
|-----------|------|------------|-------|----|
| Chloride  |      | 1.90       | mg/Kg | 1  |

**Matrix Blank (1)** QC Batch: 34335

QC Batch: 34335  
Prep Batch: 29821

Date Analyzed: 2007-02-06  
QC Preparation: 2007-02-05

Analyzed By: AR  
Prepared By: AR

| Parameter | Flag | MDL Result | Units | RL |
|-----------|------|------------|-------|----|
| Chloride  |      | 1.90       | mg/Kg | 1  |

**Laboratory Control Spike (LCS-1)**

QC Batch: 34246  
Prep Batch: 29715

Date Analyzed: 2007-02-02  
QC Preparation: 2007-02-02

Analyzed By: ss  
Prepared By: ss

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|-------|------------|-------|------|--------------|---------------|------|------------|
| GRO   | 7.53       | mg/Kg | 1    | 10.0         | <0.829        | 75   | 70 - 130   |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param | LCSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|-------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| GRO   | 7.51           | mg/Kg | 1    | 10.0            | <0.829           | 75   | 70 - 130      | 0   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate                    | LCS<br>Result | LCSD<br>Result | Units | Dil. | Spike<br>Amount | LCS<br>Rec. | LCSD<br>Rec. | Rec.<br>Limit |
|------------------------------|---------------|----------------|-------|------|-----------------|-------------|--------------|---------------|
| Trifluorotoluene (TFT)       | 1.10          | 1.11           | mg/Kg | 1    | 1.00            | 110         | 111          | 70 - 130      |
| 4-Bromofluorobenzene (4-BFB) | 1.08          | 1.08           | mg/Kg | 1    | 1.00            | 108         | 108          | 70 - 130      |

#### Laboratory Control Spike (LCS-1)

QC Batch: 34248  
Prep Batch: 29718

Date Analyzed: 2007-02-02  
QC Preparation: 2007-02-02

Analyzed By: ss  
Prepared By: ss

| Param        | LCS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Benzene      | 0.958         | mg/Kg | 1    | 1.00            | <0.00110         | 96   | 70 - 130      |
| Toluene      | 0.944         | mg/Kg | 1    | 1.00            | <0.00150         | 94   | 70 - 130      |
| Ethylbenzene | 0.914         | mg/Kg | 1    | 1.00            | <0.00160         | 91   | 70 - 130      |
| Xylene       | 2.76          | mg/Kg | 1    | 3.00            | <0.00410         | 92   | 70 - 130      |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param        | LCSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|--------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Benzene      | 0.976          | mg/Kg | 1    | 1.00            | <0.00110         | 98   | 70 - 130      | 2   | 20           |
| Toluene      | 0.960          | mg/Kg | 1    | 1.00            | <0.00150         | 96   | 70 - 130      | 2   | 20           |
| Ethylbenzene | 0.941          | mg/Kg | 1    | 1.00            | <0.00160         | 94   | 70 - 130      | 3   | 20           |
| Xylene       | 2.84           | mg/Kg | 1    | 3.00            | <0.00410         | 95   | 70 - 130      | 3   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate                    | LCS<br>Result | LCSD<br>Result | Units | Dil. | Spike<br>Amount | LCS<br>Rec. | LCSD<br>Rec. | Rec.<br>Limit |
|------------------------------|---------------|----------------|-------|------|-----------------|-------------|--------------|---------------|
| Trifluorotoluene (TFT)       | 0.900         | 0.913          | mg/Kg | 1    | 1.00            | 90          | 91           | 69 - 113      |
| 4-Bromofluorobenzene (4-BFB) | 0.906         | 0.912          | mg/Kg | 1    | 1.00            | 91          | 91           | 63.4 - 121    |

#### Laboratory Control Spike (LCS-1)

QC Batch: 34285  
Prep Batch: 29749

Date Analyzed: 2007-02-05  
QC Preparation: 2007-02-05

Analyzed By: WR  
Prepared By: WR

| Param | LCS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|-------|---------------|-------|------|-----------------|------------------|------|---------------|
| DRO   | 260           | mg/Kg | 1    | 250             | <15.4            | 104  | 70 - 130      |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param | LCSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|-------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| DRO   | 313            | mg/Kg | 1    | 250             | <15.4            | 125  | 70 - 130      | 19  | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate     | LCS<br>Result | LCSD<br>Result | Units | Dil. | Spike<br>Amount | LCS<br>Rec. | LCSD<br>Rec. | Rec.<br>Limit |
|---------------|---------------|----------------|-------|------|-----------------|-------------|--------------|---------------|
| n-Triacontane | 140           | 155            | mg/Kg | 1    | 150             | 93          | 103          | 70 - 130      |

**Laboratory Control Spike (LCS-1)**

QC Batch: 34292  
Prep Batch: 29758

Date Analyzed: 2007-02-05  
QC Preparation: 2007-02-02

Analyzed By: AR  
Prepared By: AR

| Param    | LCS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|----------|---------------|-------|------|-----------------|------------------|------|---------------|
| Chloride | 13.8          | mg/Kg | 1    | 12.5            | 1.6              | 110  | 90 - 110      |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param    | LCSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|----------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Chloride | 13.7           | mg/Kg | 1    | 12.5            | 1.6              | 110  | 90 - 110      | 1   |              |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

**Laboratory Control Spike (LCS-1)**

QC Batch: 34335  
Prep Batch: 29821

Date Analyzed: 2007-02-06  
QC Preparation: 2007-02-05

Analyzed By: AR  
Prepared By: AR

| Param    | LCS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|----------|---------------|-------|------|-----------------|------------------|------|---------------|
| Chloride | 13.6          | mg/Kg | 1    | 12.5            | 2.19             | 91   | 90 - 110      |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param    | LCSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|----------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Chloride | 13.5           | mg/Kg | 1    | 12.5            | 2.19             | 90   | 90 - 110      | 1   |              |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

**Matrix Spike (MS-1) Spiked Sample: 115413**

QC Batch: 34246  
Prep Batch: 29715

Date Analyzed: 2007-02-02  
QC Preparation: 2007-02-02

Analyzed By: ss  
Prepared By: ss

| Param | MS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|-------|--------------|-------|------|-----------------|------------------|------|---------------|
| GRO   | 6.98         | mg/Kg | 1    | 10.0            | 1.45             | 55   | 70 - 130      |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

*continued...*

<sup>1</sup> Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.



matrix spikes continued...

| Param | MSD Result        | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|-------|-------------------|-------|------|--------------|---------------|------|------------|-----|-----------|
| Param | MSD Result        | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
| GRO   | <sup>2</sup> 6.59 | mg/Kg | 1    | 10.0         | 1.45          | 51   | 70 - 130   | 6   | 20        |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate                    | MS Result          | MSD Result | Units | Dil. | Spike Amount | MS Rec. | MSD Rec. | Rec. Limit |
|------------------------------|--------------------|------------|-------|------|--------------|---------|----------|------------|
| Trifluorotoluene (TFT)       | <sup>3</sup> 0.744 | 0.629      | mg/Kg | 1    | 1            | 74      | 63       | 70 - 130   |
| 4-Bromofluorobenzene (4-BFB) | 1.20               | 1.18       | mg/Kg | 1    | 1            | 120     | 118      | 70 - 130   |

**Matrix Spike (MS-1)** Spiked Sample: 115430

QC Batch: 34248  
Prep Batch: 29718

Date Analyzed: 2007-02-02  
QC Preparation: 2007-02-02

Analyzed By: ss  
Prepared By: ss

| Param        | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|-----------|-------|------|--------------|---------------|------|------------|
| Benzene      | 1.10      | mg/Kg | 1    | 1.00         | <0.00110      | 110  | 70 - 130   |
| Toluene      | 1.13      | mg/Kg | 1    | 1.00         | <0.00150      | 113  | 70 - 130   |
| Ethylbenzene | 1.16      | mg/Kg | 1    | 1.00         | <0.00160      | 116  | 70 - 130   |
| Xylene       | 3.54      | mg/Kg | 1    | 3.00         | <0.00410      | 118  | 70 - 130   |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param        | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|--------------|------------|-------|------|--------------|---------------|------|------------|-----|-----------|
| Benzene      | 0.965      | mg/Kg | 1    | 1.00         | <0.00110      | 96   | 70 - 130   | 13  | 20        |
| Toluene      | 0.991      | mg/Kg | 1    | 1.00         | <0.00150      | 99   | 70 - 130   | 13  | 20        |
| Ethylbenzene | 1.01       | mg/Kg | 1    | 1.00         | <0.00160      | 101  | 70 - 130   | 14  | 20        |
| Xylene       | 3.08       | mg/Kg | 1    | 3.00         | <0.00410      | 103  | 70 - 130   | 14  | 20        |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate                    | MS Result | MSD Result | Units | Dil. | Spike Amount | MS Rec. | MSD Rec. | Rec. Limit |
|------------------------------|-----------|------------|-------|------|--------------|---------|----------|------------|
| Trifluorotoluene (TFT)       | 0.887     | 0.890      | mg/Kg | 1    | 1            | 89      | 89       | 69 - 113   |
| 4-Bromofluorobenzene (4-BFB) | 1.00      | 0.977      | mg/Kg | 1    | 1            | 100     | 98       | 63.4 - 121 |

**Matrix Spike (MS-1)** Spiked Sample: 115413

QC Batch: 34285  
Prep Batch: 29749

Date Analyzed: 2007-02-05  
QC Preparation: 2007-02-05

Analyzed By: WR  
Prepared By: WR

continued...

<sup>2</sup>Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

<sup>3</sup>TFT out of control limits. BFB in control limits shows method to be in control. •

matrix spikes continued...

| Param | MS Result        | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|-------|------------------|-------|------|--------------|---------------|------|------------|
| Param | MS Result        | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
| DRO   | <sup>4</sup> 355 | mg/Kg | 1    | 250          | <15.4         | 142  | 70 - 130   |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|-------|------------|-------|------|--------------|---------------|------|------------|-----|-----------|
| DRO   | 252        | mg/Kg | 1    | 250          | <15.4         | 101  | 70 - 130   | 34  | 20        |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate     | MS Result | MSD Result | Units | Dil. | Spike Amount | MS Rec. | MSD Rec. | Rec. Limit |
|---------------|-----------|------------|-------|------|--------------|---------|----------|------------|
| n-Triacontane | 127       | 131        | mg/Kg | 1    | 150          | 85      | 87       | 70 - 130   |

**Matrix Spike (MS-1)** Spiked Sample: 115426

QC Batch: 34292  
Prep Batch: 29758

Date Analyzed: 2007-02-05  
QC Preparation: 2007-02-02

Analyzed By: AR  
Prepared By: AR

| Param    | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|----------|-----------|-------|------|--------------|---------------|------|------------|
| Chloride | 1700      | mg/Kg | 100  | 1250         | 510.98        | 95   | 90 - 110   |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param    | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|----------|------------|-------|------|--------------|---------------|------|------------|-----|-----------|
| Chloride | 1680       | mg/Kg | 100  | 1250         | 510.98        | 94   | 90 - 110   | 1   |           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

**Matrix Spike (MS-1)** Spiked Sample: 115407

QC Batch: 34335  
Prep Batch: 29821

Date Analyzed: 2007-02-06  
QC Preparation: 2007-02-05

Analyzed By: AR  
Prepared By: AR

| Param    | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|----------|-----------|-------|------|--------------|---------------|------|------------|
| Chloride | 3170      | mg/Kg | 100  | 1250         | 2012.57       | 92   | 90 - 110   |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param    | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|----------|------------|-------|------|--------------|---------------|------|------------|-----|-----------|
| Chloride | 3140       | mg/Kg | 100  | 1250         | 2012.57       | 90   | 90 - 110   | 1   |           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

<sup>4</sup>Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

**Standard (ICV-1)**

QC Batch: 34246

Date Analyzed: 2007-02-02

Analyzed By: ss

| Param | Flag | Units | ICVs<br>True<br>Conc. | ICVs<br>Found<br>Conc. | ICVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|-------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| GRO   |      | mg/Kg | 1.00                  | 1.15                   | 115                         | 85 - 115                      | 2007-02-02       |

**Standard (CCV-1)**

QC Batch: 34246

Date Analyzed: 2007-02-02

Analyzed By: ss

| Param | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|-------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| GRO   |      | mg/Kg | 1.00                  | 1.06                   | 106                         | 85 - 115                      | 2007-02-02       |

**Standard (ICV-1)**

QC Batch: 34248

Date Analyzed: 2007-02-02

Analyzed By: ss

| Param        | Flag | Units | ICVs<br>True<br>Conc. | ICVs<br>Found<br>Conc. | ICVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Benzene      |      | mg/Kg | 0.100                 | 0.0986                 | 99                          | 85 - 115                      | 2007-02-02       |
| Toluene      |      | mg/Kg | 0.100                 | 0.0970                 | 97                          | 85 - 115                      | 2007-02-02       |
| Ethylbenzene |      | mg/Kg | 0.100                 | 0.0933                 | 93                          | 85 - 115                      | 2007-02-02       |
| Xylene       |      | mg/Kg | 0.300                 | 0.285                  | 95                          | 85 - 115                      | 2007-02-02       |

**Standard (CCV-1)**

QC Batch: 34248

Date Analyzed: 2007-02-02

Analyzed By: ss

| Param        | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Benzene      |      | mg/Kg | 0.100                 | 0.0967                 | 97                          | 85 - 115                      | 2007-02-02       |
| Toluene      |      | mg/Kg | 0.100                 | 0.0959                 | 96                          | 85 - 115                      | 2007-02-02       |
| Ethylbenzene |      | mg/Kg | 0.100                 | 0.0947                 | 95                          | 85 - 115                      | 2007-02-02       |
| Xylene       |      | mg/Kg | 0.300                 | 0.286                  | 95                          | 85 - 115                      | 2007-02-02       |

**Standard (CCV-1)**

QC Batch: 34285

Date Analyzed: 2007-02-05

Analyzed By: WR

| Param | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|-------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| DRO   |      | mg/Kg | 250                   | 272                    | 109                         | 85 - 115                      | 2007-02-05       |

**Standard (CCV-2)**

QC Batch: 34285

Date Analyzed: 2007-02-05

Analyzed By: WR

| Param | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|-------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| DRO   |      | mg/Kg | 250                   | 286                    | 114                         | 85 - 115                      | 2007-02-05       |

**Standard (ICV-1)**

QC Batch: 34292

Date Analyzed: 2007-02-05

Analyzed By: AR

| Param    | Flag | Units | ICVs<br>True<br>Conc. | ICVs<br>Found<br>Conc. | ICVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|----------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Chloride |      | mg/Kg | 12.5                  | 11.9                   | 95                          | 90 - 110                      | 2007-02-05       |

**Standard (CCV-1)**

QC Batch: 34292

Date Analyzed: 2007-02-05

Analyzed By: AR

| Param    | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|----------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Chloride |      | mg/Kg | 12.5                  | 11.9                   | 95                          | 90 - 110                      | 2007-02-05       |

**Standard (ICV-1)**

QC Batch: 34335

Date Analyzed: 2007-02-06

Analyzed By: AR

| Param    | Flag | Units | ICVs<br>True<br>Conc. | ICVs<br>Found<br>Conc. | ICVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|----------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Chloride |      | mg/Kg | 12.5                  | 11.8                   | 94                          | 90 - 110                      | 2007-02-06       |

**Standard (CCV-1)**

QC Batch: 34335

Date Analyzed: 2007-02-06

Analyzed By: AR

| Param    | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|----------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Chloride |      | mg/Kg | 12.5                  | 12.0                   | 96                          | 90 - 110                      | 2007-02-06       |

|                                                              |      |                                                                   |      |
|--------------------------------------------------------------|------|-------------------------------------------------------------------|------|
| CLIENT NAME:<br><b>Targa</b>                                 |      | SITE MANAGER:<br><b>M Larson</b>                                  |      |
| PROJECT NO.:<br><b>6-0108</b>                                |      | PROJECT NAME:<br><b>Eunice Land Farm</b>                          |      |
| PAGE <b>1</b> OF <b>1</b>                                    |      | LAB. PO. #                                                        |      |
| DATE                                                         | TIME | WATER                                                             | SOIL |
| 2/11/07                                                      | 3:03 | X                                                                 | X    |
| 2/11/07                                                      | 3:11 | X                                                                 | X    |
| 2/11/07                                                      | 3:30 | X                                                                 | X    |
| SAMPLE IDENTIFICATION                                        |      | NUMBER OF CONTAINERS                                              |      |
| Cell 1A (0-1')                                               |      | 1                                                                 |      |
| Cell 1B (0-1')                                               |      | 1                                                                 |      |
| Cell 1C (0-1')                                               |      | 1                                                                 |      |
| PARAMETERS/METHOD NUMBER                                     |      | CHAIN—OF—CUSTODY RECORD                                           |      |
| Chloride                                                     |      | LAB. I.D. NUMBER                                                  |      |
| BTEX (8021B)                                                 |      | LAB USE ONLY                                                      |      |
| TPH (8015M)                                                  |      | REMARKS                                                           |      |
|                                                              |      | O.E. FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE |      |
|                                                              |      | 115428 Composite                                                  |      |
|                                                              |      | 29 Composite                                                      |      |
|                                                              |      | 30 Composite                                                      |      |
| SAMPLED BY: (Signature) <i>[Signature]</i>                   |      | RECEIVED BY: (Signature) <i>[Signature]</i>                       |      |
| DATE: 2/11/07                                                |      | DATE: 2/12/07                                                     |      |
| TIME: 4:50pm                                                 |      | TIME: 9:50am                                                      |      |
| RELINQUISHED BY: (Signature) <i>[Signature]</i>              |      | RECEIVED BY: (Signature) <i>[Signature]</i>                       |      |
| DATE: _____                                                  |      | DATE: _____                                                       |      |
| TIME: _____                                                  |      | TIME: _____                                                       |      |
| COMMENTS:<br><b>Treatment Zone Quarterly (1st) 2007</b>      |      | TURNAROUND TIME NEEDED<br><b>Standard</b>                         |      |
| RECEIVING LABORATORY: _____                                  |      | RECEIVED BY: (Signature) _____                                    |      |
| ADDRESS: _____                                               |      | STATE: _____ ZIP: _____                                           |      |
| CITY: _____                                                  |      | DATE: _____ TIME: _____                                           |      |
| CONTACT: _____                                               |      | PHONE: _____                                                      |      |
| SAMPLE CONDITION WHEN RECEIVED:<br><b>Costly seal intact</b> |      | LA CONTACT PERSON:<br><b>Michelle L. Green</b>                    |      |
| SAMPLE TYPE:<br><b>Soil</b>                                  |      | SAMPLE SHIPPED BY: (Circle)<br><b>FEDEX</b>                       |      |
|                                                              |      | <b>BUS</b>                                                        |      |
|                                                              |      | <b>AIRBILL #:</b>                                                 |      |
|                                                              |      | <b>UPS</b>                                                        |      |
|                                                              |      | <b>OTHER:</b>                                                     |      |
| <b>WHITE</b> - RECEIVING LAB                                 |      | <b>DATE: 2/12/07</b>                                              |      |
| <b>YELLOW</b> - RECEIVING LAB (TO BE RETURNED TO             |      | <b>TIME: 9:50am</b>                                               |      |
| <b>PINK</b> - PROJECT MANAGER                                |      |                                                                   |      |
| <b>GOLD</b> - QA/QC COORDINATOR                              |      |                                                                   |      |

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