

**Appendix D**  
**Laboratory Analytical Reports**  
**HRC Pilot Test**

**Environmental Conservation Laboratories, Inc.**

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Wednesday, December 29, 2010

Universal Engineering Sciences (UN001)

Attn: Mike Geden

3532 Maggie Blvd.

Orlando, FL 32811

**RE: Laboratory Results for**

**Project Number: [none], Project Name/Desc: Deland NPL Site - HRC**

**ENCO Workorder: A006604**

Dear Mike Geden,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, December 16, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Ronald Wambles". The signature is fluid and cursive, with the first name being more prominent.

Ronald Wambles

Project Manager

Enclosure(s)

**PROJECT NARRATIVE**

Client: Universal Engineering Sciences (UN001)

Project: Deland NPL Site - HRC

ENCO Project ID: A006604

**Overview**

All samples submitted were analyzed by Environmental Conservation Laboratories, Inc. in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling and processing will be discussed in the Remarks section below.

**Remarks**

**REVISED REPORT**

Analysis: EPA 300.0

Affected Samples: MC-3D[A006604-06]

Nonconformance: This report is an amendment to the original report dated December 23, 2010 for this work order.

Additional Information: Upon review, it was found that the chloride result for sample MS-3D was reported in error as not detected. The result has been corrected in this revised report.

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Ronald Wambles  
Project Manager

### SAMPLE SUMMARY/LABORATORY CHRONICLE

| Client ID: MC-1S |                   | Lab ID: A006604-01 |                   | Sampled: 12/15/10 10:39 |                       | Received: 12/16/10 13:25 |  |
|------------------|-------------------|--------------------|-------------------|-------------------------|-----------------------|--------------------------|--|
| Parameter        | Hold Date/Time(s) |                    | Prep Date/Time(s) |                         | Analysis Date/Time(s) |                          |  |
| CALC             | 09/09/13          |                    | 12/22/10          | 10:29                   | 12/23/2010            | 11:39                    |  |
| EPA 300.0        | 12/17/10          | 10:39              | 12/16/10          | 14:21                   | 12/17/2010            | 00:25                    |  |
| EPA 300.0        | 01/12/11          |                    | 12/16/10          | 14:21                   | 12/17/2010            | 00:25                    |  |
| EPA 310.2        | 12/29/10          |                    | 12/20/10          | 08:13                   | 12/20/2010            | 11:08                    |  |
| EPA 6010C        | 06/13/11          |                    | 12/20/10          | 17:00                   | 12/21/2010            | 11:29                    |  |
| EPA 8260B        | 12/29/10          |                    | 12/20/10          | 11:31                   | 12/20/2010            | 16:33                    |  |
| RSK-175          | 12/22/10          |                    | 12/20/10          | 08:57                   | 12/20/2010            | 10:48                    |  |
| SM18 3500-Fe D   | 12/15/10          | 10:53              | 12/22/10          | 10:25                   | 12/22/2010            | 15:00                    |  |
| SM18 4500-S E    | 12/22/10          |                    | 12/21/10          | 06:27                   | 12/21/2010            | 07:10                    |  |
| SM18 5310B       | 01/12/11          |                    | 12/17/10          | 10:00                   | 12/17/2010            | 10:30                    |  |
| VGC-13           | 12/29/10          |                    | 12/20/10          | 09:00                   | 12/21/2010            | 19:50                    |  |

| Client ID: MC-1D |                   | Lab ID: A006604-02 |                   | Sampled: 12/15/10 11:29 |                       | Received: 12/16/10 13:25 |  |
|------------------|-------------------|--------------------|-------------------|-------------------------|-----------------------|--------------------------|--|
| Parameter        | Hold Date/Time(s) |                    | Prep Date/Time(s) |                         | Analysis Date/Time(s) |                          |  |
| CALC             | 09/09/13          |                    | 12/22/10          | 10:29                   | 12/23/2010            | 11:39                    |  |
| EPA 300.0        | 12/17/10          | 11:29              | 12/16/10          | 14:21                   | 12/17/2010            | 00:43                    |  |
| EPA 300.0        | 01/12/11          |                    | 12/16/10          | 14:21                   | 12/17/2010            | 00:43                    |  |
| EPA 310.2        | 12/29/10          |                    | 12/20/10          | 08:13                   | 12/20/2010            | 11:09                    |  |
| EPA 6010C        | 06/13/11          |                    | 12/20/10          | 17:00                   | 12/21/2010            | 11:32                    |  |
| EPA 8260B        | 12/29/10          |                    | 12/20/10          | 11:31                   | 12/20/2010            | 17:03                    |  |
| RSK-175          | 12/22/10          |                    | 12/20/10          | 08:57                   | 12/20/2010            | 10:57                    |  |
| SM18 3500-Fe D   | 12/15/10          | 11:43              | 12/22/10          | 10:25                   | 12/22/2010            | 15:00                    |  |
| SM18 4500-S E    | 12/22/10          |                    | 12/21/10          | 06:27                   | 12/21/2010            | 07:10                    |  |
| SM18 5310B       | 01/12/11          |                    | 12/17/10          | 10:00                   | 12/17/2010            | 10:30                    |  |
| VGC-13           | 12/29/10          |                    | 12/20/10          | 09:00                   | 12/21/2010            | 20:52                    |  |

| Client ID: MC-1D |                   | Lab ID: A006604-02RE1 |                   | Sampled: 12/15/10 11:29 |                       | Received: 12/16/10 13:25 |  |
|------------------|-------------------|-----------------------|-------------------|-------------------------|-----------------------|--------------------------|--|
| Parameter        | Hold Date/Time(s) |                       | Prep Date/Time(s) |                         | Analysis Date/Time(s) |                          |  |
| EPA 300.0        | 01/12/11          |                       | 12/16/10          | 14:21                   | 12/17/2010            | 11:32                    |  |

| Client ID: MC-2S |                   | Lab ID: A006604-03 |                   | Sampled: 12/15/10 12:29 |                       | Received: 12/16/10 13:25 |  |
|------------------|-------------------|--------------------|-------------------|-------------------------|-----------------------|--------------------------|--|
| Parameter        | Hold Date/Time(s) |                    | Prep Date/Time(s) |                         | Analysis Date/Time(s) |                          |  |
| CALC             | 09/09/13          |                    | 12/22/10          | 10:29                   | 12/23/2010            | 11:39                    |  |
| EPA 300.0        | 12/17/10          | 12:29              | 12/16/10          | 14:21                   | 12/17/2010            | 01:55                    |  |
| EPA 300.0        | 01/12/11          |                    | 12/16/10          | 14:21                   | 12/17/2010            | 01:55                    |  |
| EPA 310.2        | 12/29/10          |                    | 12/20/10          | 08:13                   | 12/20/2010            | 11:10                    |  |
| EPA 6010C        | 06/13/11          |                    | 12/20/10          | 17:00                   | 12/21/2010            | 11:35                    |  |
| EPA 8260B        | 12/29/10          |                    | 12/20/10          | 11:31                   | 12/20/2010            | 17:33                    |  |
| RSK-175          | 12/22/10          |                    | 12/20/10          | 08:57                   | 12/20/2010            | 11:01                    |  |
| SM18 3500-Fe D   | 12/15/10          | 12:43              | 12/22/10          | 10:25                   | 12/22/2010            | 15:00                    |  |
| SM18 4500-S E    | 12/22/10          |                    | 12/21/10          | 06:27                   | 12/21/2010            | 07:10                    |  |
| SM18 5310B       | 01/12/11          |                    | 12/17/10          | 10:00                   | 12/17/2010            | 10:30                    |  |
| VGC-13           | 12/29/10          |                    | 12/20/10          | 09:00                   | 12/21/2010            | 21:55                    |  |



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| Client ID:     | MC-2D             | Lab ID: A006604-04 | Sampled: 12/15/10 13:13 | Received: 12/16/10 13:25 |
|----------------|-------------------|--------------------|-------------------------|--------------------------|
| Parameter      | Hold Date/Time(s) | Prep Date/Time(s)  | Analysis Date/Time(s)   |                          |
| CALC           | 09/09/13          | 12/22/10 10:29     | 12/23/2010 11:39        |                          |
| EPA 300.0      | 12/17/10 13:13    | 12/16/10 14:21     | 12/17/2010 02:14        |                          |
| EPA 300.0      | 01/12/11          | 12/16/10 14:21     | 12/17/2010 02:14        |                          |
| EPA 310.2      | 12/29/10          | 12/20/10 08:13     | 12/20/2010 11:11        |                          |
| EPA 6010C      | 06/13/11          | 12/20/10 17:00     | 12/21/2010 11:42        |                          |
| EPA 8260B      | 12/29/10          | 12/20/10 11:31     | 12/20/2010 18:03        |                          |
| RSK-175        | 12/22/10          | 12/20/10 08:57     | 12/20/2010 11:04        |                          |
| SM18 3500-Fe D | 12/15/10 13:27    | 12/22/10 10:25     | 12/22/2010 15:00        |                          |
| SM18 4500-S E  | 12/22/10          | 12/21/10 06:27     | 12/21/2010 07:10        |                          |
| SM18 5310B     | 01/12/11          | 12/17/10 10:00     | 12/17/2010 10:30        |                          |
| VGC-13         | 12/29/10          | 12/20/10 09:00     | 12/21/2010 22:58        |                          |

| Client ID:     | MC-3S             | Lab ID: A006604-05 | Sampled: 12/15/10 13:59 | Received: 12/16/10 13:25 |
|----------------|-------------------|--------------------|-------------------------|--------------------------|
| Parameter      | Hold Date/Time(s) | Prep Date/Time(s)  | Analysis Date/Time(s)   |                          |
| CALC           | 09/09/13          | 12/22/10 10:29     | 12/23/2010 11:39        |                          |
| EPA 300.0      | 12/17/10 13:59    | 12/16/10 14:21     | 12/17/2010 02:32        |                          |
| EPA 300.0      | 01/12/11          | 12/16/10 14:21     | 12/17/2010 02:32        |                          |
| EPA 310.2      | 12/29/10          | 12/20/10 08:13     | 12/20/2010 11:12        |                          |
| EPA 6010C      | 06/13/11          | 12/20/10 17:00     | 12/21/2010 11:44        |                          |
| EPA 8260B      | 12/29/10          | 12/20/10 11:31     | 12/20/2010 18:33        |                          |
| RSK-175        | 12/22/10          | 12/20/10 08:57     | 12/20/2010 11:08        |                          |
| SM18 3500-Fe D | 12/15/10 14:13    | 12/22/10 10:25     | 12/22/2010 15:00        |                          |
| SM18 4500-S E  | 12/22/10          | 12/21/10 06:27     | 12/21/2010 07:10        |                          |
| SM18 5310B     | 01/12/11          | 12/17/10 10:00     | 12/17/2010 10:30        |                          |
| VGC-13         | 12/29/10          | 12/20/10 09:00     | 12/22/2010 00:00        |                          |

| Client ID: | MC-3S             | Lab ID: A006604-05RE1 | Sampled: 12/15/10 13:59 | Received: 12/16/10 13:25 |
|------------|-------------------|-----------------------|-------------------------|--------------------------|
| Parameter  | Hold Date/Time(s) | Prep Date/Time(s)     | Analysis Date/Time(s)   |                          |
| RSK-175    | 12/22/10          | 12/20/10 08:57        | 12/20/2010 11:35        |                          |

| Client ID:     | MC-3D             | Lab ID: A006604-06 | Sampled: 12/15/10 14:36 | Received: 12/16/10 13:25 |
|----------------|-------------------|--------------------|-------------------------|--------------------------|
| Parameter      | Hold Date/Time(s) | Prep Date/Time(s)  | Analysis Date/Time(s)   |                          |
| CALC           | 09/09/13          | 12/22/10 10:29     | 12/23/2010 11:39        |                          |
| EPA 300.0      | 12/17/10 14:36    | 12/16/10 14:21     | 12/17/2010 02:49        |                          |
| EPA 300.0      | 01/12/11          | 12/16/10 14:21     | 12/17/2010 02:49        |                          |
| EPA 310.2      | 12/29/10          | 12/20/10 08:13     | 12/20/2010 11:14        |                          |
| EPA 6010C      | 06/13/11          | 12/20/10 17:00     | 12/21/2010 12:45        |                          |
| EPA 8260B      | 12/29/10          | 12/20/10 11:31     | 12/20/2010 19:03        |                          |
| RSK-175        | 12/22/10          | 12/20/10 08:57     | 12/20/2010 11:16        |                          |
| SM18 3500-Fe D | 12/15/10 14:50    | 12/22/10 10:25     | 12/22/2010 15:00        |                          |
| SM18 4500-S E  | 12/22/10          | 12/21/10 06:27     | 12/21/2010 07:10        |                          |
| SM18 5310B     | 01/12/11          | 12/17/10 10:00     | 12/17/2010 10:30        |                          |
| VGC-13         | 12/29/10          | 12/20/10 09:00     | 12/22/2010 01:03        |                          |

|                  |                   |                       |       |                         |  |                          |  |
|------------------|-------------------|-----------------------|-------|-------------------------|--|--------------------------|--|
| Client ID: MC-3D |                   | Lab ID: A006604-06RE1 |       | Sampled: 12/15/10 14:36 |  | Received: 12/16/10 13:25 |  |
| Parameter        | Hold Date/Time(s) | Prep Date/Time(s)     |       | Analysis Date/Time(s)   |  |                          |  |
| RSK-175          | 12/22/10          | 12/20/10              | 08:57 | 12/20/2010 11:39        |  |                          |  |
| VGC-13           | 12/29/10          | 12/20/10              | 09:00 | 12/22/2010 11:04        |  |                          |  |

| Client ID: MC-4S |                   | Lab ID: A006604-07 |                   | Sampled: 12/16/10 09:18 |                       | Received: 12/16/10 13:25 |  |
|------------------|-------------------|--------------------|-------------------|-------------------------|-----------------------|--------------------------|--|
| Parameter        | Hold Date/Time(s) |                    | Prep Date/Time(s) |                         | Analysis Date/Time(s) |                          |  |
| CALC             | 09/10/13          |                    | 12/22/10          | 10:29                   | 12/23/2010 11:39      |                          |  |
| EPA 300.0        | 12/18/10          | 09:18              | 12/16/10          | 14:21                   | 12/17/2010 03:07      |                          |  |
| EPA 300.0        | 01/13/11          |                    | 12/16/10          | 14:21                   | 12/17/2010 03:07      |                          |  |
| EPA 310.2        | 12/30/10          |                    | 12/20/10          | 08:13                   | 12/20/2010 11:15      |                          |  |
| EPA 6010C        | 06/14/11          |                    | 12/20/10          | 17:00                   | 12/21/2010 12:48      |                          |  |
| EPA 8260B        | 12/30/10          |                    | 12/20/10          | 11:31                   | 12/20/2010 19:33      |                          |  |
| RSK-175          | 12/23/10          |                    | 12/20/10          | 08:57                   | 12/20/2010 11:20      |                          |  |
| SM18 3500-Fe D   | 12/16/10          | 09:32              | 12/22/10          | 10:25                   | 12/22/2010 15:00      |                          |  |
| SM18 4500-S E    | 12/23/10          |                    | 12/21/10          | 06:27                   | 12/21/2010 07:10      |                          |  |
| SM18 5310B       | 01/13/11          |                    | 12/17/10          | 10:00                   | 12/17/2010 10:30      |                          |  |
| VGC-13           | 12/30/10          |                    | 12/20/10          | 09:00                   | 12/22/2010 02:05      |                          |  |

| Client ID: MC-4D |                   | Lab ID: A006604-08 |                   | Sampled: 12/16/10 09:58 |                       | Received: 12/16/10 13:25 |  |
|------------------|-------------------|--------------------|-------------------|-------------------------|-----------------------|--------------------------|--|
| Parameter        | Hold Date/Time(s) |                    | Prep Date/Time(s) |                         | Analysis Date/Time(s) |                          |  |
| CALC             | 09/10/13          |                    | 12/22/10          | 10:29                   | 12/23/2010 11:39      |                          |  |
| EPA 300.0        | 12/18/10          | 09:58              | 12/16/10          | 14:21                   | 12/17/2010 03:25      |                          |  |
| EPA 300.0        | 01/13/11          |                    | 12/16/10          | 14:21                   | 12/17/2010 03:25      |                          |  |
| EPA 310.2        | 12/30/10          |                    | 12/20/10          | 08:13                   | 12/20/2010 11:13      |                          |  |
| EPA 6010C        | 06/14/11          |                    | 12/20/10          | 17:00                   | 12/21/2010 12:51      |                          |  |
| EPA 8260B        | 12/30/10          |                    | 12/20/10          | 11:31                   | 12/20/2010 20:02      |                          |  |
| RSK-175          | 12/23/10          |                    | 12/20/10          | 08:57                   | 12/20/2010 11:23      |                          |  |
| SM18 3500-Fe D   | 12/16/10          | 10:12              | 12/22/10          | 10:25                   | 12/22/2010 15:00      |                          |  |
| SM18 4500-S E    | 12/23/10          |                    | 12/21/10          | 06:27                   | 12/21/2010 07:10      |                          |  |
| SM18 5310B       | 01/13/11          |                    | 12/17/10          | 10:00                   | 12/17/2010 10:30      |                          |  |
| VGC-13           | 12/30/10          |                    | 12/20/10          | 09:00                   | 12/22/2010 03:08      |                          |  |

|                  |                   |                       |       |                         |  |                          |  |
|------------------|-------------------|-----------------------|-------|-------------------------|--|--------------------------|--|
| Client ID: MC-4D |                   | Lab ID: A006604-08RE1 |       | Sampled: 12/16/10 09:58 |  | Received: 12/16/10 13:25 |  |
| Parameter        | Hold Date/Time(s) | Prep Date/Time(s)     |       | Analysis Date/Time(s)   |  |                          |  |
| EPA 300.0        | 01/13/11          | 12/16/10              | 14:21 | 12/17/2010 11:09        |  |                          |  |



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| Client ID:     | MC-5S             | Lab ID: A006604-09 | Sampled: 12/16/10 10:45 | Received: 12/16/10 13:25 |
|----------------|-------------------|--------------------|-------------------------|--------------------------|
| Parameter      | Hold Date/Time(s) | Prep Date/Time(s)  | Analysis Date/Time(s)   |                          |
| CALC           | 09/10/13          | 12/22/10 10:29     | 12/23/2010 11:39        |                          |
| EPA 300.0      | 12/18/10 10:45    | 12/16/10 14:21     | 12/17/2010 03:43        |                          |
| EPA 300.0      | 01/13/11          | 12/16/10 14:21     | 12/17/2010 03:43        |                          |
| EPA 310.2      | 12/30/10          | 12/20/10 08:13     | 12/20/2010 11:18        |                          |
| EPA 6010C      | 06/14/11          | 12/20/10 17:00     | 12/21/2010 12:53        |                          |
| EPA 8260B      | 12/30/10          | 12/20/10 11:31     | 12/20/2010 20:32        |                          |
| RSK-175        | 12/23/10          | 12/20/10 08:57     | 12/20/2010 11:27        |                          |
| SM18 3500-Fe D | 12/16/10 10:59    | 12/22/10 10:25     | 12/22/2010 15:00        |                          |
| SM18 4500-S E  | 12/23/10          | 12/21/10 06:27     | 12/21/2010 07:10        |                          |
| SM18 5310B     | 01/13/11          | 12/17/10 10:00     | 12/17/2010 10:30        |                          |
| VGC-13         | 12/30/10          | 12/20/10 09:00     | 12/22/2010 04:16        |                          |

| Client ID:     | MC-5D             | Lab ID: A006604-10 | Sampled: 12/16/10 11:27 | Received: 12/16/10 13:25 |
|----------------|-------------------|--------------------|-------------------------|--------------------------|
| Parameter      | Hold Date/Time(s) | Prep Date/Time(s)  | Analysis Date/Time(s)   |                          |
| CALC           | 09/10/13          | 12/22/10 10:29     | 12/23/2010 11:39        |                          |
| EPA 300.0      | 12/18/10 11:27    | 12/16/10 14:21     | 12/17/2010 04:01        |                          |
| EPA 300.0      | 01/13/11          | 12/16/10 14:21     | 12/17/2010 04:01        |                          |
| EPA 310.2      | 12/30/10          | 12/20/10 08:13     | 12/20/2010 11:19        |                          |
| EPA 6010C      | 06/14/11          | 12/20/10 17:00     | 12/21/2010 12:56        |                          |
| EPA 8260B      | 12/30/10          | 12/20/10 11:31     | 12/20/2010 21:02        |                          |
| RSK-175        | 12/23/10          | 12/20/10 08:57     | 12/20/2010 11:31        |                          |
| SM18 3500-Fe D | 12/16/10 11:41    | 12/22/10 10:25     | 12/22/2010 15:00        |                          |
| SM18 4500-S E  | 12/23/10          | 12/21/10 06:27     | 12/21/2010 07:10        |                          |
| SM18 5310B     | 01/13/11          | 12/17/10 10:00     | 12/17/2010 10:30        |                          |
| VGC-13         | 12/30/10          | 12/20/10 09:00     | 12/22/2010 05:23        |                          |

| Client ID: | MC-5D             | Lab ID: A006604-10RE1 | Sampled: 12/16/10 11:27 | Received: 12/16/10 13:25 |
|------------|-------------------|-----------------------|-------------------------|--------------------------|
| Parameter  | Hold Date/Time(s) | Prep Date/Time(s)     | Analysis Date/Time(s)   |                          |
| EPA 300.0  | 01/13/11          | 12/16/10 14:21        | 12/17/2010 11:50        |                          |

| Client ID: | TRIP BLANK        | Lab ID: A006604-11 | Sampled: 12/15/10 00:00 | Received: 12/16/10 13:25 |
|------------|-------------------|--------------------|-------------------------|--------------------------|
| Parameter  | Hold Date/Time(s) | Prep Date/Time(s)  | Analysis Date/Time(s)   |                          |
| EPA 8260B  | 12/29/10          | 12/20/10 11:31     | 12/20/2010 21:32        |                          |

### SAMPLE DETECTION SUMMARY

| Client ID: MC-1S          |         | Lab ID: A006604-01 |          |         |       |                |       |
|---------------------------|---------|--------------------|----------|---------|-------|----------------|-------|
| Analyte                   | Results | Flag               | MDL      | PQL     | Units | Method         | Notes |
| Carbon dioxide            | 84.8    |                    | 2.00     | 2.50    | mg/L  | RSK-175        |       |
| Chloride                  | 67      |                    | 0.24     | 5.0     | mg/L  | EPA 300.0      |       |
| cis-1,2-Dichloroethene    | 0.61    | I                  | 0.41     | 1.0     | ug/L  | EPA 8260B      |       |
| Iron - Total              | 848     |                    | 10.0     | 50.0    | ug/L  | EPA 6010C      |       |
| Iron, Ferric              | 0.30    |                    | 0.029    | 0.050   | mg/L  | CALC           |       |
| Iron, Ferrous             | 0.55    |                    | 0.037    | 0.050   | mg/L  | SM18 3500-Fe D | Q     |
| Manganese - Total         | 18.3    |                    | 0.690    | 10.0    | ug/L  | EPA 6010C      |       |
| Methane                   | 0.0286  |                    | 0.000490 | 0.00100 | mg/L  | RSK-175        |       |
| Nitrate as N              | 0.18    | I                  | 0.014    | 1.0     | mg/L  | EPA 300.0      |       |
| Sulfate                   | 18      |                    | 0.08     | 5.0     | mg/L  | EPA 300.0      |       |
| Tetrachloroethene         | 2.1     |                    | 0.43     | 1.0     | ug/L  | EPA 8260B      |       |
| Total Alkalinity as CaCO3 | 13      |                    | 1.7      | 10      | mg/L  | EPA 310.2      |       |
| Total Organic Carbon      | 7.2     |                    | 0.12     | 1.0     | mg/L  | SM18 5310B     |       |
| Trichloroethene           | 0.47    | I                  | 0.39     | 1.0     | ug/L  | EPA 8260B      |       |

| Client ID: MC-1D          |         | Lab ID: A006604-02 |          |         |       |                |       |
|---------------------------|---------|--------------------|----------|---------|-------|----------------|-------|
| Analyte                   | Results | Flag               | MDL      | PQL     | Units | Method         | Notes |
| Carbon dioxide            | 99.2    |                    | 2.00     | 2.50    | mg/L  | RSK-175        |       |
| Chloride                  | 60      |                    | 0.24     | 5.0     | mg/L  | EPA 300.0      |       |
| cis-1,2-Dichloroethene    | 18      |                    | 2.0      | 5.0     | ug/L  | EPA 8260B      |       |
| Iron - Total              | 4090    |                    | 10.0     | 50.0    | ug/L  | EPA 6010C      |       |
| Iron, Ferrous             | 4.4     |                    | 0.18     | 0.25    | mg/L  | SM18 3500-Fe D | Q     |
| Manganese - Total         | 26.1    |                    | 0.690    | 10.0    | ug/L  | EPA 6010C      |       |
| Methane                   | 0.0103  |                    | 0.000490 | 0.00100 | mg/L  | RSK-175        |       |
| Nitrate as N              | 0.18    | I                  | 0.014    | 1.0     | mg/L  | EPA 300.0      |       |
| Sulfide                   | 0.58    | I                  | 0.45     | 1.0     | mg/L  | SM18 4500-S E  |       |
| Tetrachloroethene         | 220     |                    | 2.2      | 5.0     | ug/L  | EPA 8260B      |       |
| Total Alkalinity as CaCO3 | 11      |                    | 1.7      | 10      | mg/L  | EPA 310.2      |       |
| Total Organic Carbon      | 2.7     |                    | 0.12     | 1.0     | mg/L  | SM18 5310B     |       |
| Trichloroethene           | 63      |                    | 2.0      | 5.0     | ug/L  | EPA 8260B      |       |

| Client ID: MC-1D |         | Lab ID: A006604-02RE1 |      |     |       |           |       |
|------------------|---------|-----------------------|------|-----|-------|-----------|-------|
| Analyte          | Results | Flag                  | MDL  | PQL | Units | Method    | Notes |
| Sulfate          | 130     |                       | 0.15 | 10  | mg/L  | EPA 300.0 |       |

| Client ID: MC-2S       |         | Lab ID: A006604-03 |          |         |       |                |       |
|------------------------|---------|--------------------|----------|---------|-------|----------------|-------|
| Analyte                | Results | Flag               | MDL      | PQL     | Units | Method         | Notes |
| Carbon dioxide         | 102     |                    | 2.00     | 2.50    | mg/L  | RSK-175        |       |
| Chloride               | 48      |                    | 0.24     | 5.0     | mg/L  | EPA 300.0      |       |
| cis-1,2-Dichloroethene | 29      |                    | 10       | 25      | ug/L  | EPA 8260B      |       |
| Iron - Total           | 1670    |                    | 10.0     | 50.0    | ug/L  | EPA 6010C      |       |
| Iron, Ferric           | 1.2     |                    | 0.029    | 0.050   | mg/L  | CALC           |       |
| Iron, Ferrous          | 0.44    |                    | 0.037    | 0.050   | mg/L  | SM18 3500-Fe D | Q     |
| Manganese - Total      | 3.58    | I                  | 0.690    | 10.0    | ug/L  | EPA 6010C      |       |
| Methane                | 0.0194  |                    | 0.000490 | 0.00100 | mg/L  | RSK-175        |       |
| Nitrate as N           | 0.19    | I                  | 0.014    | 1.0     | mg/L  | EPA 300.0      |       |
| Sulfate                | 8.4     |                    | 0.08     | 5.0     | mg/L  | EPA 300.0      |       |
| Sulfide                | 0.58    | I                  | 0.45     | 1.0     | mg/L  | SM18 4500-S E  |       |
| Tetrachloroethene      | 1900    |                    | 11       | 25      | ug/L  | EPA 8260B      |       |





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| Client ID: MC-25                      |         | Lab ID: A006604-03 |      |     |       |            |       |
|---------------------------------------|---------|--------------------|------|-----|-------|------------|-------|
| Analyte                               | Results | Flag               | MDL  | PQL | Units | Method     | Notes |
| Total Alkalinity as CaCO <sub>3</sub> | 18      |                    | 1.7  | 10  | mg/L  | EPA 310.2  |       |
| Total Organic Carbon                  | 13      |                    | 0.12 | 1.0 | mg/L  | SM18 5310B |       |
| Trichloroethene                       | 200     |                    | 9.8  | 25  | ug/L  | EPA 8260B  |       |

| Client ID: MC-2D                      |         | Lab ID: A006604-04 |          |         |       |                |       |
|---------------------------------------|---------|--------------------|----------|---------|-------|----------------|-------|
| Analyte                               | Results | Flag               | MDL      | PQL     | Units | Method         | Notes |
| Acetic Acid                           | 64      |                    | 0.083    | 0.50    | mg/L  | VGC-13         |       |
| Butyric Acid                          | 1.4     |                    | 0.16     | 0.50    | mg/L  | VGC-13         |       |
| Carbon dioxide                        | 33.2    |                    | 2.00     | 2.50    | mg/L  | RSK-175        |       |
| Chloride                              | 87      |                    | 0.24     | 5.0     | mg/L  | EPA 300.0      |       |
| cis-1,2-Dichloroethene                | 390     |                    | 10       | 25      | ug/L  | EPA 8260B      |       |
| Ethene                                | 0.0253  |                    | 0.00160  | 0.00200 | mg/L  | RSK-175        |       |
| Iron - Total                          | 1610    |                    | 10.0     | 50.0    | ug/L  | EPA 6010C      |       |
| Iron, Ferric                          | 1.5     |                    | 0.029    | 0.050   | mg/L  | CALC           |       |
| Iron, Ferrous                         | 0.16    |                    | 0.037    | 0.050   | mg/L  | SM18 3500-Fe D | Q     |
| iso-Pentanoic Acid                    | 4.8     |                    | 0.26     | 0.50    | mg/L  | VGC-13         |       |
| Manganese - Total                     | 55.7    |                    | 0.690    | 10.0    | ug/L  | EPA 6010C      |       |
| Methane                               | 1.16    |                    | 0.000490 | 0.00100 | mg/L  | RSK-175        |       |
| Pentanoic Acid                        | 1.3     |                    | 0.27     | 0.50    | mg/L  | VGC-13         |       |
| Propionic Acid                        | 21      |                    | 0.18     | 0.50    | mg/L  | VGC-13         |       |
| Sulfate                               | 7.7     |                    | 0.08     | 5.0     | mg/L  | EPA 300.0      |       |
| Sulfide                               | 14      |                    | 0.45     | 1.0     | mg/L  | SM18 4500-S E  |       |
| Tetrachloroethene                     | 2400    |                    | 11       | 25      | ug/L  | EPA 8260B      |       |
| Total Alkalinity as CaCO <sub>3</sub> | 420     |                    | 1.7      | 10      | mg/L  | EPA 310.2      |       |
| Total Organic Carbon                  | 72      |                    | 0.24     | 2.0     | mg/L  | SM18 5310B     |       |
| Trichloroethene                       | 330     |                    | 9.8      | 25      | ug/L  | EPA 8260B      |       |
| Vinyl chloride                        | 1400    |                    | 12       | 25      | ug/L  | EPA 8260B      |       |

| Client ID: MC-3S                      |         | Lab ID: A006604-05 |          |         |       |                |       |
|---------------------------------------|---------|--------------------|----------|---------|-------|----------------|-------|
| Analyte                               | Results | Flag               | MDL      | PQL     | Units | Method         | Notes |
| Acetic Acid                           | 89      |                    | 0.083    | 0.50    | mg/L  | VGC-13         |       |
| Butyric Acid                          | 87      |                    | 0.16     | 0.50    | mg/L  | VGC-13         |       |
| Chloride                              | 27      |                    | 0.24     | 5.0     | mg/L  | EPA 300.0      |       |
| cis-1,2-Dichloroethene                | 260     |                    | 20       | 50      | ug/L  | EPA 8260B      |       |
| Ethane                                | 0.00335 |                    | 0.00150  | 0.00200 | mg/L  | RSK-175        |       |
| Ethene                                | 0.00400 |                    | 0.00160  | 0.00200 | mg/L  | RSK-175        |       |
| Hexanoic Acid                         | 60      |                    | 0.23     | 1.0     | mg/L  | VGC-13         |       |
| Iron - Total                          | 4900    |                    | 10.0     | 50.0    | ug/L  | EPA 6010C      |       |
| Iron, Ferrous                         | 5.2     |                    | 0.37     | 0.50    | mg/L  | SM18 3500-Fe D | Q     |
| Lactic Acid                           | 1.2     |                    | 0.44     | 0.50    | mg/L  | VGC-13         |       |
| Manganese - Total                     | 33.7    |                    | 0.690    | 10.0    | ug/L  | EPA 6010C      |       |
| Methane                               | 0.717   |                    | 0.000490 | 0.00100 | mg/L  | RSK-175        |       |
| Pentanoic Acid                        | 73      |                    | 0.27     | 0.50    | mg/L  | VGC-13         |       |
| Propionic Acid                        | 190     |                    | 0.18     | 0.50    | mg/L  | VGC-13         |       |
| Sulfate                               | 10      |                    | 0.08     | 5.0     | mg/L  | EPA 300.0      |       |
| Sulfide                               | 15      |                    | 0.45     | 1.0     | mg/L  | SM18 4500-S E  |       |
| Tetrachloroethene                     | 3600    |                    | 22       | 50      | ug/L  | EPA 8260B      |       |
| Total Alkalinity as CaCO <sub>3</sub> | 110     |                    | 1.7      | 10      | mg/L  | EPA 310.2      |       |
| Total Organic Carbon                  | 410     |                    | 0.60     | 5.0     | mg/L  | SM18 5310B     |       |
| Trichloroethene                       | 690     |                    | 20       | 50      | ug/L  | EPA 8260B      |       |

| Client ID: MC-3S |         | Lab ID: A006604-05RE1 |      |      |       |         |       |
|------------------|---------|-----------------------|------|------|-------|---------|-------|
| Analyte          | Results | Flag                  | MDL  | PQL  | Units | Method  | Notes |
| Carbon dioxide   | 370     |                       | 20.0 | 25.0 | mg/L  | RSK-175 |       |

| Client ID: MC-3D          |         | Lab ID: A006604-06 |          |         |       |                |       |
|---------------------------|---------|--------------------|----------|---------|-------|----------------|-------|
| Analyte                   | Results | Flag               | MDL      | PQL     | Units | Method         | Notes |
| Acetone                   | 220     |                    | 21       | 50      | ug/L  | EPA 8260B      |       |
| Butyric Acid              | 25      |                    | 0.16     | 0.50    | mg/L  | VGC-13         |       |
| Chloride                  | 86      |                    | 0.24     | 5.0     | mg/L  | EPA 300.0      |       |
| cis-1,2-Dichloroethene    | 600     |                    | 4.1      | 10      | ug/L  | EPA 8260B      |       |
| Ethene                    | 0.129   |                    | 0.00160  | 0.00200 | mg/L  | RSK-175        |       |
| Iron - Total              | 8430    |                    | 10.0     | 50.0    | ug/L  | EPA 6010C      |       |
| Iron, Ferric              | 7.5     |                    | 0.029    | 0.050   | mg/L  | CALC           |       |
| Iron, Ferrous             | 0.93    |                    | 0.037    | 0.050   | mg/L  | SM18 3500-Fe D | Q     |
| iso-Pentanoic Acid        | 97      |                    | 0.26     | 0.50    | mg/L  | VGC-13         |       |
| Manganese - Total         | 189     |                    | 0.690    | 10.0    | ug/L  | EPA 6010C      |       |
| Methane                   | 3.73    |                    | 0.000490 | 0.00100 | mg/L  | RSK-175        |       |
| Pentanoic Acid            | 21      |                    | 0.27     | 0.50    | mg/L  | VGC-13         |       |
| Propionic Acid            | 200     |                    | 0.18     | 0.50    | mg/L  | VGC-13         |       |
| Sulfate                   | 1.5     | I                  | 0.08     | 5.0     | mg/L  | EPA 300.0      |       |
| Sulfide                   | 1.9     |                    | 0.45     | 1.0     | mg/L  | SM18 4500-S E  |       |
| Total Alkalinity as CaCO3 | 1500    |                    | 17       | 100     | mg/L  | EPA 310.2      |       |
| Total Organic Carbon      | 490     |                    | 1.2      | 10      | mg/L  | SM18 5310B     |       |
| Vinyl chloride            | 1900    |                    | 4.8      | 10      | ug/L  | EPA 8260B      |       |

| Client ID: MC-3D |         | Lab ID: A006604-06RE1 |      |      |       |         |       |
|------------------|---------|-----------------------|------|------|-------|---------|-------|
| Analyte          | Results | Flag                  | MDL  | PQL  | Units | Method  | Notes |
| Acetic Acid      | 560     |                       | 0.83 | 5.0  | mg/L  | VGC-13  |       |
| Carbon dioxide   | 455     |                       | 20.0 | 25.0 | mg/L  | RSK-175 |       |

| Client ID: MC-4S          |         | Lab ID: A006604-07 |          |         |       |                |       |
|---------------------------|---------|--------------------|----------|---------|-------|----------------|-------|
| Analyte                   | Results | Flag               | MDL      | PQL     | Units | Method         | Notes |
| Carbon dioxide            | 108     |                    | 2.00     | 2.50    | mg/L  | RSK-175        |       |
| Chloride                  | 49      |                    | 0.24     | 5.0     | mg/L  | EPA 300.0      |       |
| cis-1,2-Dichloroethene    | 35      |                    | 0.41     | 1.0     | ug/L  | EPA 8260B      |       |
| Iron - Total              | 6540    |                    | 10.0     | 50.0    | ug/L  | EPA 6010C      |       |
| Iron, Ferric              | 1.2     |                    | 0.029    | 0.050   | mg/L  | CALC           |       |
| Iron, Ferrous             | 5.3     |                    | 0.18     | 0.25    | mg/L  | SM18 3500-Fe D | Q     |
| Manganese - Total         | 4.52    | I                  | 0.690    | 10.0    | ug/L  | EPA 6010C      |       |
| Methane                   | 0.119   |                    | 0.000490 | 0.00100 | mg/L  | RSK-175        |       |
| Nitrate as N              | 0.21    | I                  | 0.014    | 1.0     | mg/L  | EPA 300.0      |       |
| Sulfate                   | 17      |                    | 0.08     | 5.0     | mg/L  | EPA 300.0      |       |
| Sulfide                   | 1.1     |                    | 0.45     | 1.0     | mg/L  | SM18 4500-S E  |       |
| Tetrachloroethene         | 4.5     |                    | 0.43     | 1.0     | ug/L  | EPA 8260B      |       |
| Total Alkalinity as CaCO3 | 21      |                    | 1.7      | 10      | mg/L  | EPA 310.2      |       |
| Total Organic Carbon      | 14      |                    | 0.12     | 1.0     | mg/L  | SM18 5310B     |       |
| Trichloroethene           | 23      |                    | 0.39     | 1.0     | ug/L  | EPA 8260B      |       |

| Client ID: MC-4D       |         | Lab ID: A006604-08 |      |      |       |           |       |
|------------------------|---------|--------------------|------|------|-------|-----------|-------|
| Analyte                | Results | Flag               | MDL  | PQL  | Units | Method    | Notes |
| Carbon dioxide         | 32.0    |                    | 2.00 | 2.50 | mg/L  | RSK-175   |       |
| Chloride               | 86      |                    | 0.24 | 5.0  | mg/L  | EPA 300.0 |       |
| cis-1,2-Dichloroethene | 18      |                    | 0.41 | 1.0  | ug/L  | EPA 8260B |       |



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| Client ID: MC-4D          |         | Lab ID: A006604-08 |          |         |       |                |       |
|---------------------------|---------|--------------------|----------|---------|-------|----------------|-------|
| Analyte                   | Results | Flag               | MDL      | PQL     | Units | Method         | Notes |
| Ethene                    | 0.00525 |                    | 0.00160  | 0.00200 | mg/L  | RSK-175        |       |
| Iron - Total              | 168     |                    | 10.0     | 50.0    | ug/L  | EPA 6010C      |       |
| Iron, Ferric              | 0.095   |                    | 0.029    | 0.050   | mg/L  | CALC           |       |
| Iron, Ferrous             | 0.073   |                    | 0.037    | 0.050   | mg/L  | SM18 3500-Fe D | Q     |
| Manganese - Total         | 34.4    |                    | 0.690    | 10.0    | ug/L  | EPA 6010C      |       |
| Methane                   | 4.96    |                    | 0.000490 | 0.00100 | mg/L  | RSK-175        |       |
| Nitrate as N              | 0.18    | I                  | 0.014    | 1.0     | mg/L  | EPA 300.0      |       |
| Sulfide                   | 2.0     |                    | 0.45     | 1.0     | mg/L  | SM18 4500-S E  |       |
| Total Alkalinity as CaCO3 | 300     |                    | 1.7      | 10      | mg/L  | EPA 310.2      |       |
| Total Organic Carbon      | 4.7     |                    | 0.12     | 1.0     | mg/L  | SM18 5310B     |       |
| Trichloroethene           | 49      |                    | 0.39     | 1.0     | ug/L  | EPA 8260B      |       |
| Vinyl chloride            | 41      |                    | 0.48     | 1.0     | ug/L  | EPA 8260B      |       |

| Client ID: MC-4D |         | Lab ID: A006604-08RE1 |      |     |       |           |       |
|------------------|---------|-----------------------|------|-----|-------|-----------|-------|
| Analyte          | Results | Flag                  | MDL  | PQL | Units | Method    | Notes |
| Sulfate          | 160     |                       | 0.38 | 25  | mg/L  | EPA 300.0 |       |

| Client ID: MC-5S          |         | Lab ID: A006604-09 |          |         |       |                |       |
|---------------------------|---------|--------------------|----------|---------|-------|----------------|-------|
| Analyte                   | Results | Flag               | MDL      | PQL     | Units | Method         | Notes |
| Acetone                   | 7.2     |                    | 2.1      | 5.0     | ug/L  | EPA 8260B      |       |
| Carbon dioxide            | 107     |                    | 2.00     | 2.50    | mg/L  | RSK-175        |       |
| Chloride                  | 20      |                    | 0.24     | 5.0     | mg/L  | EPA 300.0      |       |
| cis-1,2-Dichloroethene    | 14      |                    | 0.41     | 1.0     | ug/L  | EPA 8260B      |       |
| Iron - Total              | 644     |                    | 10.0     | 50.0    | ug/L  | EPA 6010C      |       |
| Iron, Ferric              | 0.22    |                    | 0.029    | 0.050   | mg/L  | CALC           |       |
| Iron, Ferrous             | 0.42    |                    | 0.037    | 0.050   | mg/L  | SM18 3500-Fe D | Q     |
| Manganese - Total         | 1.65    | I                  | 0.690    | 10.0    | ug/L  | EPA 6010C      |       |
| Methane                   | 0.132   |                    | 0.000490 | 0.00100 | mg/L  | RSK-175        |       |
| Nitrate as N              | 0.35    | I                  | 0.014    | 1.0     | mg/L  | EPA 300.0      |       |
| Sulfate                   | 7.4     |                    | 0.08     | 5.0     | mg/L  | EPA 300.0      |       |
| Sulfide                   | 0.91    | I                  | 0.45     | 1.0     | mg/L  | SM18 4500-S E  |       |
| Total Alkalinity as CaCO3 | 22      |                    | 1.7      | 10      | mg/L  | EPA 310.2      |       |
| Total Organic Carbon      | 23      |                    | 0.12     | 1.0     | mg/L  | SM18 5310B     |       |
| Trichloroethene           | 0.80    | I                  | 0.39     | 1.0     | ug/L  | EPA 8260B      |       |

| Client ID: MC-5D          |         | Lab ID: A006604-10 |          |         |       |                |       |
|---------------------------|---------|--------------------|----------|---------|-------|----------------|-------|
| Analyte                   | Results | Flag               | MDL      | PQL     | Units | Method         | Notes |
| Carbon dioxide            | 10.8    |                    | 2.00     | 2.50    | mg/L  | RSK-175        |       |
| Chloride                  | 53      |                    | 0.24     | 5.0     | mg/L  | EPA 300.0      |       |
| cis-1,2-Dichloroethene    | 100     |                    | 10       | 25      | ug/L  | EPA 8260B      |       |
| Ethene                    | 0.00667 |                    | 0.00160  | 0.00200 | mg/L  | RSK-175        |       |
| Iron - Total              | 722     |                    | 10.0     | 50.0    | ug/L  | EPA 6010C      |       |
| Iron, Ferric              | 0.34    |                    | 0.029    | 0.050   | mg/L  | CALC           |       |
| Iron, Ferrous             | 0.38    |                    | 0.037    | 0.050   | mg/L  | SM18 3500-Fe D | Q     |
| Manganese - Total         | 17.9    |                    | 0.690    | 10.0    | ug/L  | EPA 6010C      |       |
| Methane                   | 0.194   |                    | 0.000490 | 0.00100 | mg/L  | RSK-175        |       |
| Nitrate as N              | 0.19    | I                  | 0.014    | 1.0     | mg/L  | EPA 300.0      |       |
| Sulfide                   | 2.2     |                    | 0.45     | 1.0     | mg/L  | SM18 4500-S E  |       |
| Tetrachloroethene         | 2300    |                    | 11       | 25      | ug/L  | EPA 8260B      |       |
| Total Alkalinity as CaCO3 | 110     |                    | 1.7      | 10      | mg/L  | EPA 310.2      |       |
| Total Organic Carbon      | 19      |                    | 0.12     | 1.0     | mg/L  | SM18 5310B     |       |



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Client ID: MC-5b Lab ID: A006604-10

| Analyte         | Results | Flag | MDL | PQL | Units | Method    | Notes |
|-----------------|---------|------|-----|-----|-------|-----------|-------|
| Trichloroethene | 590     |      | 9.8 | 25  | ug/L  | EPA 8260B |       |
| Vinyl chloride  | 52      |      | 12  | 25  | ug/L  | EPA 8260B |       |

Client ID: MC-5b Lab ID: A006604-10RE1

| Analyte | Results | Flag | MDL  | PQL | Units | Method    | Notes |
|---------|---------|------|------|-----|-------|-----------|-------|
| Sulfate | 100     |      | 0.15 | 10  | mg/L  | EPA 300.0 |       |



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## ANALYTICAL RESULTS

Description: MC-15

Lab Sample ID: A006604-01

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/15/10 10:39

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

### Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                     | Results | Flag | Units | DF | MDL  | POL | Batch   | Method    | Analyzed       | By  | Notes |
|------------------------------------------|---------|------|-------|----|------|-----|---------|-----------|----------------|-----|-------|
| 1,1,1-Trichloroethane [71-55-6] ^        | 0.40    | U    | ug/L  | 1  | 0.40 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| 1,1,2,2-Tetrachloroethane [79-34-5] ^    | 0.23    | U    | ug/L  | 1  | 0.23 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| 1,1,2-Trichloroethane [79-00-5] ^        | 0.34    | U    | ug/L  | 1  | 0.34 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| 1,1-Dichloroethane [75-34-3] ^           | 0.45    | U    | ug/L  | 1  | 0.45 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| 1,1-Dichloroethene [75-35-4] ^           | 0.50    | U    | ug/L  | 1  | 0.50 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| 1,2-Dichlorobenzene [95-50-1] ^          | 0.32    | U    | ug/L  | 1  | 0.32 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| 1,2-Dichloroethane [107-06-2] ^          | 0.34    | U    | ug/L  | 1  | 0.34 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| 1,2-Dichloropropane [78-87-5] ^          | 0.34    | U    | ug/L  | 1  | 0.34 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| 1,3-Dichlorobenzene [541-73-1] ^         | 0.34    | U    | ug/L  | 1  | 0.34 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| 1,4-Dichlorobenzene [106-46-7] ^         | 0.41    | U    | ug/L  | 1  | 0.41 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| 2-Chloroethyl Vinyl Ether [110-75-8] ^   | 0.39    | U    | ug/L  | 1  | 0.39 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Acetone [67-64-1] ^                      | 2.1     | U    | ug/L  | 1  | 2.1  | 5.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Bromodichloromethane [75-27-4] ^         | 0.31    | U    | ug/L  | 1  | 0.31 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Bromoform [75-25-2] ^                    | 0.22    | U    | ug/L  | 1  | 0.22 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Bromomethane [74-83-9] ^                 | 0.63    | U    | ug/L  | 1  | 0.63 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Carbon tetrachloride [56-23-5] ^         | 0.51    | U    | ug/L  | 1  | 0.51 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Chlorobenzene [108-90-7] ^               | 0.37    | U    | ug/L  | 1  | 0.37 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Chloroethane [75-00-3] ^                 | 0.66    | U    | ug/L  | 1  | 0.66 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Chloroform [67-66-3] ^                   | 0.37    | U    | ug/L  | 1  | 0.37 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Chloromethane [74-87-3] ^                | 0.53    | U    | ug/L  | 1  | 0.53 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| cis-1,2-Dichloroethene [156-59-2] ^      | 0.61    | I    | ug/L  | 1  | 0.41 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| cis-1,3-Dichloropropene [10061-01-5] ^   | 0.30    | U    | ug/L  | 1  | 0.30 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Dibromochloromethane [124-48-1] ^        | 0.24    | U    | ug/L  | 1  | 0.24 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Dichlorodifluoromethane [75-71-8] ^      | 0.75    | U    | ug/L  | 1  | 0.75 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Methylene chloride [75-09-2] ^           | 0.41    | U    | ug/L  | 1  | 0.41 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Tetrachloroethene [127-18-4] ^           | 2.1     |      | ug/L  | 1  | 0.43 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| trans-1,2-Dichloroethene [156-60-5] ^    | 0.47    | U    | ug/L  | 1  | 0.47 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| trans-1,3-Dichloropropene [10061-02-6] ^ | 0.37    | U    | ug/L  | 1  | 0.37 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Trichloroethene [79-01-6] ^              | 0.47    | I    | ug/L  | 1  | 0.39 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Trichlorofluoromethane [75-69-4] ^       | 0.57    | U    | ug/L  | 1  | 0.57 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Vinyl chloride [75-01-4] ^               | 0.48    | U    | ug/L  | 1  | 0.48 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method    | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|-----------|----------------|-----|-------|
| 4-Bromofluorobenzene | 45      | 1  | 50.0      | 89 %  | 41-142       | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Dibromofluoromethane | 37      | 1  | 50.0      | 74 %  | 53-146       | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |
| Toluene-d8           | 43      | 1  | 50.0      | 86 %  | 41-146       | 0L20019 | EPA 8260B | 12/20/10 16:33 | kdw |       |

Description: MC-1S

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-01

Sampled: 12/15/10 10:39

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

# Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                   | Results | Flag | Units | DF | MDL   | POL   | Batch   | Method         | Analyzed       | By    | Notes |
|----------------------------------------|---------|------|-------|----|-------|-------|---------|----------------|----------------|-------|-------|
| Chloride [16887-00-6] ^                | 67      |      | mg/L  | 1  | 0.24  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 00:25 | RSA   |       |
| Iron, Ferric [7439-89-6]               | 0.30    |      | mg/L  | 1  | 0.029 | 0.050 | 0L22013 | CALC           | 12/23/10 11:39 | NP    |       |
| Iron, Ferrous [7439-89-6] ^            | 0.55    |      | mg/L  | 1  | 0.037 | 0.050 | 0L22012 | SM18 3500-Fe D | 12/22/10 15:00 | NP    | Q     |
| Nitrate as N [14797-55-8] ^            | 0.18    | I    | mg/L  | 1  | 0.014 | 1.0   | 0L16005 | EPA 300.0      | 12/17/10 00:25 | RSA   |       |
| Nitrite as N [14797-65-0] ^            | 0.022   | U    | mg/L  | 1  | 0.022 | 0.10  | 0L16005 | EPA 300.0      | 12/17/10 00:25 | RSA   |       |
| Sulfate [14808-79-8] ^                 | 18      |      | mg/L  | 1  | 0.08  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 00:25 | RSA   |       |
| Sulfide [18496-25-8] ^                 | 0.45    | U    | mg/L  | 1  | 0.45  | 1.0   | 0L21005 | SM18 4500-S E  | 12/21/10 07:10 | AH    |       |
| Total Alkalinity as CaCO3 [471-34-1] ^ | 13      |      | mg/L  | 1  | 1.7   | 10    | 0L20005 | EPA 310.2      | 12/20/10 11:08 | KGonz |       |
| Total Organic Carbon [ECL-0165] ^      | 7.2     |      | mg/L  | 1  | 0.12  | 1.0   | 0L17005 | SM18 5310B     | 12/17/10 10:30 | NAP   |       |



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Description: MC-15

Lab Sample ID: A006604-01

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/15/10 10:39

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

### Dissolved Gases by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]        | Results | Flag | Units | DF | MDL      | POL     | Batch   | Method  | Analyzed       | By  | Notes |
|-----------------------------|---------|------|-------|----|----------|---------|---------|---------|----------------|-----|-------|
| Carbon dioxide [124-38-9] ^ | 84.8    |      | mg/L  | 1  | 2.00     | 2.50    | 0L20002 | RSK-175 | 12/20/10 10:48 | LAC |       |
| Ethane [74-84-0] ^          | 0.00150 | U    | mg/L  | 1  | 0.00150  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 10:48 | LAC |       |
| Ethene [74-85-1] ^          | 0.00160 | U    | mg/L  | 1  | 0.00160  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 10:48 | LAC |       |
| Methane [74-82-8] ^         | 0.0286  |      | mg/L  | 1  | 0.000490 | 0.00100 | 0L20002 | RSK-175 | 12/20/10 10:48 | LAC |       |

**Description:** MC-1S  
**Matrix:** Ground Water  
**Project:** Deland NPL Site - HRC

**Lab Sample ID:** A006604-01  
**Sampled:** 12/15/10 10:39  
**Sampled By:** John Munsch

**Received:** 12/16/10 13:25  
**Work Order:** A006604

# Volatile Fatty Acids by HPLC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]                         | Results | Flag | Units | DF | MDL   | POL  | Batch   | Method | Analyzed       | By  | Notes |
|----------------------------------------------|---------|------|-------|----|-------|------|---------|--------|----------------|-----|-------|
| Acetic Acid [64-19-7] ^                      | 0.083   | U    | mg/L  | 1  | 0.083 | 0.50 | 0L22006 | VGC-13 | 12/21/10 19:50 | MEF |       |
| Butyric Acid [107-92-6] ^                    | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/21/10 19:50 | MEF |       |
| Hexanoic Acid [142-62-1] ^                   | 0.23    | U    | mg/L  | 1  | 0.23  | 1.0  | 0L22006 | VGC-13 | 12/21/10 19:50 | MEF |       |
| HIBA (2-Hydroxyisobutyric Acid) [594-61-6] ^ | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/21/10 19:50 | MEF |       |
| Iso-Hexanoic Acid [646-07-1] ^               | 0.21    | U    | mg/L  | 1  | 0.21  | 1.0  | 0L22006 | VGC-13 | 12/21/10 19:50 | MEF |       |
| Iso-Pentanoic Acid [503-74-2] ^              | 0.26    | U    | mg/L  | 1  | 0.26  | 0.50 | 0L22006 | VGC-13 | 12/21/10 19:50 | MEF |       |
| Lactic Acid [50-21-5] ^                      | 0.44    | U    | mg/L  | 1  | 0.44  | 0.50 | 0L22006 | VGC-13 | 12/21/10 19:50 | MEF |       |
| Pentanoic Acid [109-52-4] ^                  | 0.27    | U    | mg/L  | 1  | 0.27  | 0.50 | 0L22006 | VGC-13 | 12/21/10 19:50 | MEF |       |
| Propionic Acid [79-09-4] ^                   | 0.18    | U    | mg/L  | 1  | 0.18  | 0.50 | 0L22006 | VGC-13 | 12/21/10 19:50 | MEF |       |
| Pyruvic Acid [127-17-3] ^                    | 0.14    | U    | mg/L  | 1  | 0.14  | 0.50 | 0L22006 | VGC-13 | 12/21/10 19:50 | MEF |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|--------|----------------|-----|-------|
| Trimethylacetic acid | 49      | 1  | 50.0      | 98 %  | 80-124       | 0L22006 | VGC-13 | 12/21/10 19:50 | MEF |       |





Description: MC-1S

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-01

Sampled: 12/15/10 10:39

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]    | Results | Flag | Units | DF | MDL   | PQL  | Batch   | Method    | Analyzed       | By  | Notes |
|-------------------------|---------|------|-------|----|-------|------|---------|-----------|----------------|-----|-------|
| Iron [7439-89-6] ^      | 848     |      | ug/L  | 1  | 10.0  | 50.0 | 0L20012 | EPA 6010C | 12/21/10 11:29 | ACV |       |
| Manganese [7439-96-5] ^ | 18.3    |      | ug/L  | 1  | 0.690 | 10.0 | 0L20012 | EPA 6010C | 12/21/10 11:29 | ACV |       |

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MC-1D  
Matrix: Ground Water  
Project: Deland NPL Site - HRC

Lab Sample ID: A006604-02  
Sampled: 12/15/10 11:29  
Sampled By: John Munsch

Received: 12/16/10 13:25  
Work Order: A006604

# Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                     | Results | Flag | Units | DF | MDL | PQL | Batch   | Method    | Analyzed       | By  | Notes |
|------------------------------------------|---------|------|-------|----|-----|-----|---------|-----------|----------------|-----|-------|
| 1,1,1-Trichloroethane [71-55-6] ^        | 2.0     | U    | ug/L  | 5  | 2.0 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| 1,1,2,2-Tetrachloroethane [79-34-5] ^    | 1.2     | U    | ug/L  | 5  | 1.2 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| 1,1,2-Trichloroethane [79-00-5] ^        | 1.7     | U    | ug/L  | 5  | 1.7 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| 1,1-Dichloroethane [75-34-3] ^           | 2.2     | U    | ug/L  | 5  | 2.2 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| 1,1-Dichloroethene [75-35-4] ^           | 2.5     | U    | ug/L  | 5  | 2.5 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| 1,2-Dichlorobenzene [95-50-1] ^          | 1.6     | U    | ug/L  | 5  | 1.6 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| 1,2-Dichloroethane [107-06-2] ^          | 1.7     | U    | ug/L  | 5  | 1.7 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| 1,2-Dichloropropane [78-87-5] ^          | 1.7     | U    | ug/L  | 5  | 1.7 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| 1,3-Dichlorobenzene [541-73-1] ^         | 1.7     | U    | ug/L  | 5  | 1.7 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| 1,4-Dichlorobenzene [106-46-7] ^         | 2.0     | U    | ug/L  | 5  | 2.0 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| 2-Chloroethyl Vinyl Ether [110-75-8] ^   | 2.0     | U    | ug/L  | 5  | 2.0 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Acetone [67-64-1] ^                      | 10      | U    | ug/L  | 5  | 10  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Bromodichloromethane [75-27-4] ^         | 1.6     | U    | ug/L  | 5  | 1.6 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Bromoform [75-25-2] ^                    | 1.1     | U    | ug/L  | 5  | 1.1 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Bromomethane [74-83-9] ^                 | 3.2     | U    | ug/L  | 5  | 3.2 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Carbon tetrachloride [56-23-5] ^         | 2.6     | U    | ug/L  | 5  | 2.6 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Chlorobenzene [108-90-7] ^               | 1.8     | U    | ug/L  | 5  | 1.8 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Chloroethane [75-00-3] ^                 | 3.3     | U    | ug/L  | 5  | 3.3 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Chloroform [67-66-3] ^                   | 1.8     | U    | ug/L  | 5  | 1.8 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Chloromethane [74-87-3] ^                | 2.6     | U    | ug/L  | 5  | 2.6 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| cis-1,2-Dichloroethene [156-59-2] ^      | 18      |      | ug/L  | 5  | 2.0 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| cis-1,3-Dichloropropene [10061-01-5] ^   | 1.5     | U    | ug/L  | 5  | 1.5 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Dibromodichloromethane [124-48-1] ^      | 1.2     | U    | ug/L  | 5  | 1.2 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Dichlorodifluoromethane [75-71-8] ^      | 3.8     | U    | ug/L  | 5  | 3.8 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Methylene chloride [75-09-2] ^           | 2.0     | U    | ug/L  | 5  | 2.0 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Tetrachloroethene [127-18-4] ^           | 220     |      | ug/L  | 5  | 2.2 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| trans-1,2-Dichloroethene [156-60-5] ^    | 2.4     | U    | ug/L  | 5  | 2.4 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| trans-1,3-Dichloropropene [10061-02-6] ^ | 1.8     | U    | ug/L  | 5  | 1.8 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Trichloroethene [79-01-6] ^              | 63      |      | ug/L  | 5  | 2.0 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Trichlorofluoromethane [75-69-4] ^       | 2.8     | U    | ug/L  | 5  | 2.8 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Vinyl chloride [75-01-4] ^               | 2.4     | U    | ug/L  | 5  | 2.4 | 5.0 | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method    | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|-----------|----------------|-----|-------|
| 4-Bromofluorobenzene | 45      | 1  | 50.0      | 90 %  | 41-142       | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Dibromofluoromethane | 38      | 1  | 50.0      | 76 %  | 53-146       | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |
| Toluene-d8           | 42      | 1  | 50.0      | 84 %  | 41-146       | 0L20019 | EPA 8260B | 12/20/10 17:03 | kdw |       |



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Description: MC-1D

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-02

Sampled: 12/15/10 11:29

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

### Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                   | Results | Flag | Units | DF | MDL   | PQL   | Batch   | Method         | Analyzed       | By    | Notes |
|----------------------------------------|---------|------|-------|----|-------|-------|---------|----------------|----------------|-------|-------|
| Chloride [16887-00-6] ^                | 60      |      | mg/L  | 1  | 0.24  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 00:43 | RSA   |       |
| Iron, Ferric [7439-89-6]               | 0.029   | U    | mg/L  | 1  | 0.029 | 0.050 | 0L22013 | CALC           | 12/23/10 11:39 | NP    |       |
| Iron, Ferrous [7439-89-6] ^            | 4.4     |      | mg/L  | 1  | 0.18  | 0.25  | 0L22012 | SM18 3500-Fe D | 12/22/10 15:00 | NP    | Q     |
| Nitrate as N [14797-55-8] ^            | 0.18    | I    | mg/L  | 1  | 0.014 | 1.0   | 0L16005 | EPA 300.0      | 12/17/10 00:43 | RSA   |       |
| Nitrite as N [14797-65-0] ^            | 0.022   | U    | mg/L  | 1  | 0.022 | 0.10  | 0L16005 | EPA 300.0      | 12/17/10 00:43 | RSA   |       |
| Sulfate [14808-79-8] ^                 | 130     |      | mg/L  | 2  | 0.15  | 10    | 0L16005 | EPA 300.0      | 12/17/10 11:32 | RSA   |       |
| Sulfide [18496-25-8] ^                 | 0.58    | I    | mg/L  | 1  | 0.45  | 1.0   | 0L21005 | SM18 4500-S E  | 12/21/10 07:10 | AH    |       |
| Total Alkalinity as CaCO3 [471-34-1] ^ | 11      |      | mg/L  | 1  | 1.7   | 10    | 0L20005 | EPA 310.2      | 12/20/10 11:09 | KGanz |       |
| Total Organic Carbon [ECL-0165] ^      | 2.7     |      | mg/L  | 1  | 0.12  | 1.0   | 0L17005 | SM18 5310B     | 12/17/10 10:30 | NAP   |       |



Description: MC-1D

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-02

Sampled: 12/15/10 11:29

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

# Dissolved Gases by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]        | Results | Flag | Units | DF | MDL      | POL     | Batch   | Method  | Analyzed       | By  | Notes |
|-----------------------------|---------|------|-------|----|----------|---------|---------|---------|----------------|-----|-------|
| Carbon dioxide [124-38-9] ^ | 99.2    |      | mg/L  | 1  | 2.00     | 2.50    | 0L20002 | RSK-175 | 12/20/10 10:57 | LAC |       |
| Ethane [74-84-0] ^          | 0.00150 | U    | mg/L  | 1  | 0.00150  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 10:57 | LAC |       |
| Ethene [74-85-1] ^          | 0.00160 | U    | mg/L  | 1  | 0.00160  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 10:57 | LAC |       |
| Methane [74-82-8] ^         | 0.0103  |      | mg/L  | 1  | 0.000490 | 0.00100 | 0L20002 | RSK-175 | 12/20/10 10:57 | LAC |       |



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Description: MC-1D

Lab Sample ID: A006604-02

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/15/10 11:29

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

### Volatile Fatty Acids by HPLC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]                         | Results | Flag | Units | DF | MDL   | PQL  | Batch   | Method | Analyzed       | By  | Notes |
|----------------------------------------------|---------|------|-------|----|-------|------|---------|--------|----------------|-----|-------|
| Acetic Acid [64-19-7] ^                      | 0.083   | U    | mg/L  | 1  | 0.083 | 0.50 | 0L22006 | VGC-13 | 12/21/10 20:52 | MEF |       |
| Butyric Acid [107-92-6] ^                    | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/21/10 20:52 | MEF |       |
| Hexanoic Acid [142-62-1] ^                   | 0.23    | U    | mg/L  | 1  | 0.23  | 1.0  | 0L22006 | VGC-13 | 12/21/10 20:52 | MEF |       |
| HIBA (2-Hydroxyisobutyric Acid) [594-61-6] ^ | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/21/10 20:52 | MEF |       |
| iso-Hexanoic Acid [646-07-1] ^               | 0.21    | U    | mg/L  | 1  | 0.21  | 1.0  | 0L22006 | VGC-13 | 12/21/10 20:52 | MEF |       |
| iso-Pentanoic Acid [503-74-2] ^              | 0.26    | U    | mg/L  | 1  | 0.26  | 0.50 | 0L22006 | VGC-13 | 12/21/10 20:52 | MEF |       |
| Lactic Acid [50-21-5] ^                      | 0.44    | U    | mg/L  | 1  | 0.44  | 0.50 | 0L22006 | VGC-13 | 12/21/10 20:52 | MEF |       |
| Pentanoic Acid [109-52-4] ^                  | 0.27    | U    | mg/L  | 1  | 0.27  | 0.50 | 0L22006 | VGC-13 | 12/21/10 20:52 | MEF |       |
| Propionic Acid [79-09-4] ^                   | 0.18    | U    | mg/L  | 1  | 0.18  | 0.50 | 0L22006 | VGC-13 | 12/21/10 20:52 | MEF |       |
| Pyruvic Acid [127-17-3] ^                    | 0.14    | U    | mg/L  | 1  | 0.14  | 0.50 | 0L22006 | VGC-13 | 12/21/10 20:52 | MEF |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|--------|----------------|-----|-------|
| Trimethylacetic acid | 48      | 1  | 50.0      | 95 %  | 80-124       | 0L22006 | VGC-13 | 12/21/10 20:52 | MEF |       |



Description: MC-1D

Lab Sample ID: A006604-02

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/15/10 11:29

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]    | Results | Flag | Units | DF | MDL   | PQL  | Batch   | Method    | Analyzed       | By  | Notes |
|-------------------------|---------|------|-------|----|-------|------|---------|-----------|----------------|-----|-------|
| Iron [7439-89-6] ^      | 4090    |      | ug/L  | 1  | 10.0  | 50.0 | 0L20012 | EPA 6010C | 12/21/10 11:32 | ACV |       |
| Manganese [7439-96-5] ^ | 26.1    |      | ug/L  | 1  | 0.690 | 10.0 | 0L20012 | EPA 6010C | 12/21/10 11:32 | ACV |       |

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.



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Description: MC-2S

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-03

Sampled: 12/15/10 12:29

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

### Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                     | Results | Flag | Units | DF | MDL | POL | Batch   | Method    | Analyzed       | By  | Notes |
|------------------------------------------|---------|------|-------|----|-----|-----|---------|-----------|----------------|-----|-------|
| 1,1,1-Trichloroethane [71-55-6] ^        | 10      | U    | ug/L  | 25 | 10  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| 1,1,2,2-Tetrachloroethane [79-34-5] ^    | 5.8     | U    | ug/L  | 25 | 5.8 | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| 1,1,2-Trichloroethane [79-00-5] ^        | 8.5     | U    | ug/L  | 25 | 8.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| 1,1-Dichloroethane [75-34-3] ^           | 11      | U    | ug/L  | 25 | 11  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| 1,1-Dichloroethene [75-35-4] ^           | 12      | U    | ug/L  | 25 | 12  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| 1,2-Dichlorobenzene [95-50-1] ^          | 8.0     | U    | ug/L  | 25 | 8.0 | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| 1,2-Dichloroethane [107-06-2] ^          | 8.5     | U    | ug/L  | 25 | 8.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| 1,2-Dichloropropane [78-87-5] ^          | 8.5     | U    | ug/L  | 25 | 8.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| 1,3-Dichlorobenzene [541-73-1] ^         | 8.5     | U    | ug/L  | 25 | 8.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| 1,4-Dichlorobenzene [106-46-7] ^         | 10      | U    | ug/L  | 25 | 10  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| 2-Chloroethyl Vinyl Ether [110-75-8] ^   | 9.8     | U    | ug/L  | 25 | 9.8 | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Acetone [67-64-1] ^                      | 52      | U    | ug/L  | 25 | 52  | 120 | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Bromodichloromethane [75-27-4] ^         | 7.8     | U    | ug/L  | 25 | 7.8 | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Bromoform [75-25-2] ^                    | 5.5     | U    | ug/L  | 25 | 5.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Bromomethane [74-83-9] ^                 | 16      | U    | ug/L  | 25 | 16  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Carbon tetrachloride [56-23-5] ^         | 13      | U    | ug/L  | 25 | 13  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Chlorobenzene [108-90-7] ^               | 9.2     | U    | ug/L  | 25 | 9.2 | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Chloroethane [75-00-3] ^                 | 16      | U    | ug/L  | 25 | 16  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Chloroform [67-66-3] ^                   | 9.2     | U    | ug/L  | 25 | 9.2 | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Chloromethane [74-87-3] ^                | 13      | U    | ug/L  | 25 | 13  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| cis-1,2-Dichloroethene [156-59-2] ^      | 29      |      | ug/L  | 25 | 10  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| cis-1,3-Dichloropropene [10061-01-5] ^   | 7.5     | U    | ug/L  | 25 | 7.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Dibromochloromethane [124-48-1] ^        | 6.0     | U    | ug/L  | 25 | 6.0 | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Dichlorodifluoromethane [75-71-8] ^      | 19      | U    | ug/L  | 25 | 19  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Methylene chloride [75-09-2] ^           | 10      | U    | ug/L  | 25 | 10  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Tetrachloroethene [127-18-4] ^           | 1900    |      | ug/L  | 25 | 11  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| trans-1,2-Dichloroethene [156-60-5] ^    | 12      | U    | ug/L  | 25 | 12  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| trans-1,3-Dichloropropene [10061-02-6] ^ | 9.2     | U    | ug/L  | 25 | 9.2 | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Trichloroethene [79-01-6] ^              | 200     |      | ug/L  | 25 | 9.8 | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Trichlorofluoromethane [75-69-4] ^       | 14      | U    | ug/L  | 25 | 14  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Vinyl chloride [75-01-4] ^               | 12      | U    | ug/L  | 25 | 12  | 25  | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method    | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|-----------|----------------|-----|-------|
| 4-Bromofluorobenzene | 46      | 1  | 50.0      | 91 %  | 41-142       | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Dibromofluoromethane | 36      | 1  | 50.0      | 72 %  | 53-146       | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |
| Toluene-d8           | 42      | 1  | 50.0      | 83 %  | 41-146       | 0L20019 | EPA 8260B | 12/20/10 17:33 | kdw |       |

Description: MC-2S

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-03

Sampled: 12/15/10 12:29

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

# Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                   | Results | Flag | Units | DF | MDL   | POL   | Batch   | Method         | Analyzed       | By    | Notes |
|----------------------------------------|---------|------|-------|----|-------|-------|---------|----------------|----------------|-------|-------|
| Chloride [16887-00-6] ^                | 48      |      | mg/L  | 1  | 0.24  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 01:55 | RSA   |       |
| Iron, Ferric [7439-89-6]               | 1.2     |      | mg/L  | 1  | 0.029 | 0.050 | 0L22013 | CALC           | 12/23/10 11:39 | NP    |       |
| Iron, Ferrous [7439-89-6] ^            | 0.44    |      | mg/L  | 1  | 0.037 | 0.050 | 0L22012 | SM18 3500-Fe D | 12/22/10 15:00 | NP    | Q     |
| Nitrate as N [14797-55-8] ^            | 0.19    | I    | mg/L  | 1  | 0.014 | 1.0   | 0L16005 | EPA 300.0      | 12/17/10 01:55 | RSA   |       |
| Nitrite as N [14797-65-0] ^            | 0.022   | U    | mg/L  | 1  | 0.022 | 0.10  | 0L16005 | EPA 300.0      | 12/17/10 01:55 | RSA   |       |
| Sulfate [14808-79-8] ^                 | 8.4     |      | mg/L  | 1  | 0.08  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 01:55 | RSA   |       |
| Sulfide [18496-25-8] ^                 | 0.58    | I    | mg/L  | 1  | 0.45  | 1.0   | 0L21005 | SM18 4500-S E  | 12/21/10 07:10 | AH    |       |
| Total Alkalinity as CaCO3 [471-34-1] ^ | 18      |      | mg/L  | 1  | 1.7   | 10    | 0L20005 | EPA 310.2      | 12/20/10 11:10 | KGonz |       |
| Total Organic Carbon [ECL-0165] ^      | 13      |      | mg/L  | 1  | 0.12  | 1.0   | 0L17005 | SM18 5310B     | 12/17/10 10:30 | NAP   |       |





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Description: MC-2S

Lab Sample ID: A006604-03

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/15/10 12:29

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

### Dissolved Gases by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]        | Results | Flag | Units | DF | MDL      | PQL     | Batch   | Method  | Analyzed       | By  | Notes |
|-----------------------------|---------|------|-------|----|----------|---------|---------|---------|----------------|-----|-------|
| Carbon dioxide [124-38-9] ^ | 102     |      | mg/L  | 1  | 2.00     | 2.50    | 0L20002 | RSK-175 | 12/20/10 11:01 | LAC |       |
| Ethane [74-84-0] ^          | 0.00150 | U    | mg/L  | 1  | 0.00150  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:01 | LAC |       |
| Ethene [74-85-1] ^          | 0.00160 | U    | mg/L  | 1  | 0.00160  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:01 | LAC |       |
| Methane [74-82-8] ^         | 0.0194  |      | mg/L  | 1  | 0.000490 | 0.00100 | 0L20002 | RSK-175 | 12/20/10 11:01 | LAC |       |

**Description:** MC-2S  
**Matrix:** Ground Water  
**Project:** Deland NPL Site - HRC

**Lab Sample ID:** A006604-03  
**Sampled:** 12/15/10 12:29  
**Sampled By:** John Munsch

**Received:** 12/16/10 13:25  
**Work Order:** A006604

# Volatile Fatty Acids by HPLC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]                         | Results | Flag | Units | DF | MDL   | POL  | Batch   | Method | Analyzed       | By  | Notes |
|----------------------------------------------|---------|------|-------|----|-------|------|---------|--------|----------------|-----|-------|
| Acetic Acid [64-19-7] ^                      | 0.083   | U    | mg/L  | 1  | 0.083 | 0.50 | 0L22006 | VGC-13 | 12/21/10 21:55 | MEF |       |
| Butyric Acid [107-92-6] ^                    | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/21/10 21:55 | MEF |       |
| Hexanoic Acid [142-62-1] ^                   | 0.23    | U    | mg/L  | 1  | 0.23  | 1.0  | 0L22006 | VGC-13 | 12/21/10 21:55 | MEF |       |
| HiBA (2-Hydroxyisobutyric Acid) [594-61-6] ^ | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/21/10 21:55 | MEF |       |
| iso-Hexanoic Acid [646-07-1] ^               | 0.21    | U    | mg/L  | 1  | 0.21  | 1.0  | 0L22006 | VGC-13 | 12/21/10 21:55 | MEF |       |
| iso-Pentanoic Acid [503-74-2] ^              | 0.26    | U    | mg/L  | 1  | 0.26  | 0.50 | 0L22006 | VGC-13 | 12/21/10 21:55 | MEF |       |
| Lactic Acid [50-21-5] ^                      | 0.44    | U    | mg/L  | 1  | 0.44  | 0.50 | 0L22006 | VGC-13 | 12/21/10 21:55 | MEF |       |
| Pentanoic Acid [109-52-4] ^                  | 0.27    | U    | mg/L  | 1  | 0.27  | 0.50 | 0L22006 | VGC-13 | 12/21/10 21:55 | MEF |       |
| Propionic Acid [79-09-4] ^                   | 0.18    | U    | mg/L  | 1  | 0.18  | 0.50 | 0L22006 | VGC-13 | 12/21/10 21:55 | MEF |       |
| Pyruvic Acid [127-17-3] ^                    | 0.14    | U    | mg/L  | 1  | 0.14  | 0.50 | 0L22006 | VGC-13 | 12/21/10 21:55 | MEF |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|--------|----------------|-----|-------|
| Trimethylacetic acid | 48      | 1  | 50.0      | 96 %  | 80-124       | 0L22006 | VGC-13 | 12/21/10 21:55 | MEF |       |



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Description: MC-2S

Lab Sample ID: A006604-03

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/15/10 12:29

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]    | Results | Flag | Units | DF | MDL   | PQL  | Batch   | Method    | Analyzed       | By  | Notes |
|-------------------------|---------|------|-------|----|-------|------|---------|-----------|----------------|-----|-------|
| Iron [7439-89-6] ^      | 1670    |      | ug/L  | 1  | 10.0  | 50.0 | 0L20012 | EPA 6010C | 12/21/10 11:35 | ACV |       |
| Manganese [7439-96-5] ^ | 3.58    | I    | ug/L  | 1  | 0.690 | 10.0 | 0L20012 | EPA 6010C | 12/21/10 11:35 | ACV |       |

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MC-2D

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-04

Sampled: 12/15/10 13:13

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                     | Results | Flag | Units | DF | MDL | PQL | Batch   | Method    | Analyzed       | By  | Notes |
|------------------------------------------|---------|------|-------|----|-----|-----|---------|-----------|----------------|-----|-------|
| 1,1,1-Trichloroethane [71-55-6] ^        | 10      | U    | ug/L  | 25 | 10  | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| 1,1,2,2-Tetrachloroethane [79-34-5] ^    | 5.8     | U    | ug/L  | 25 | 5.8 | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| 1,1,2-Trichloroethane [79-00-5] ^        | 8.5     | U    | ug/L  | 25 | 8.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| 1,1-Dichloroethane [75-34-3] ^           | 11      | U    | ug/L  | 25 | 11  | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| 1,1-Dichloroethene [75-35-4] ^           | 12      | U    | ug/L  | 25 | 12  | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| 1,2-Dichlorobenzene [95-50-1] ^          | 8.0     | U    | ug/L  | 25 | 8.0 | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| 1,2-Dichloroethane [107-06-2] ^          | 8.5     | U    | ug/L  | 25 | 8.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| 1,2-Dichloropropane [78-87-5] ^          | 8.5     | U    | ug/L  | 25 | 8.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| 1,3-Dichlorobenzene [541-73-1] ^         | 8.5     | U    | ug/L  | 25 | 8.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| 1,4-Dichlorobenzene [106-46-7] ^         | 10      | U    | ug/L  | 25 | 10  | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| 2-Chloroethyl Vinyl Ether [110-75-8] ^   | 9.8     | U    | ug/L  | 25 | 9.8 | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Acetone [67-64-1] ^                      | 52      | U    | ug/L  | 25 | 52  | 120 | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Bromodichloromethane [75-27-4] ^         | 7.8     | U    | ug/L  | 25 | 7.8 | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Bromoform [75-25-2] ^                    | 5.5     | U    | ug/L  | 25 | 5.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Bromomethane [74-83-9] ^                 | 16      | U    | ug/L  | 25 | 16  | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Carbon tetrachloride [56-23-5] ^         | 13      | U    | ug/L  | 25 | 13  | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Chlorobenzene [108-90-7] ^               | 9.2     | U    | ug/L  | 25 | 9.2 | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Chloroethane [75-00-3] ^                 | 16      | U    | ug/L  | 25 | 16  | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Chloroform [67-66-3] ^                   | 9.2     | U    | ug/L  | 25 | 9.2 | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Chloromethane [74-87-3] ^                | 13      | U    | ug/L  | 25 | 13  | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| cis-1,2-Dichloroethene [156-59-2] ^      | 390     |      | ug/L  | 25 | 10  | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| cis-1,3-Dichloropropene [10061-01-5] ^   | 7.5     | U    | ug/L  | 25 | 7.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Dibromochloromethane [124-48-1] ^        | 6.0     | U    | ug/L  | 25 | 6.0 | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Dichlorodifluoromethane [75-71-8] ^      | 19      | U    | ug/L  | 25 | 19  | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Methylene chloride [75-09-2] ^           | 10      | U    | ug/L  | 25 | 10  | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Tetrachloroethene [127-18-4] ^           | 2400    |      | ug/L  | 25 | 11  | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| trans-1,2-Dichloroethene [156-60-5] ^    | 12      | U    | ug/L  | 25 | 12  | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| trans-1,3-Dichloropropene [10061-02-6] ^ | 9.2     | U    | ug/L  | 25 | 9.2 | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Trichloroethene [79-01-6] ^              | 330     |      | ug/L  | 25 | 9.8 | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Trichlorofluoromethane [75-69-4] ^       | 14      | U    | ug/L  | 25 | 14  | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Vinyl chloride [75-01-4] ^               | 1400    |      | ug/L  | 25 | 12  | 25  | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method    | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|-----------|----------------|-----|-------|
| 4-Bromofluorobenzene | 44      | 1  | 50.0      | 88 %  | 41-142       | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Dibromofluoromethane | 38      | 1  | 50.0      | 76 %  | 53-146       | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |
| Toluene-d8           | 43      | 1  | 50.0      | 86 %  | 41-146       | 0L20019 | EPA 8260B | 12/20/10 18:03 | kdw |       |



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Description: MC-2D

Lab Sample ID: A006604-04

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/15/10 13:13

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

### Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                   | Results | Flag | Units | DF | MDL   | PQL   | Batch   | Method         | Analyzed       | By    | Notes |
|----------------------------------------|---------|------|-------|----|-------|-------|---------|----------------|----------------|-------|-------|
| Chloride [16887-00-6] ^                | 87      |      | mg/L  | 1  | 0.24  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 02:14 | RSA   |       |
| Iron, Ferric [7439-89-6]               | 1.5     |      | mg/L  | 1  | 0.029 | 0.050 | 0L22013 | CALC           | 12/23/10 11:39 | NP    |       |
| Iron, Ferrous [7439-89-6] ^            | 0.16    |      | mg/L  | 1  | 0.037 | 0.050 | 0L22012 | SM18 3500-Fe D | 12/22/10 15:00 | NP    | Q     |
| Nitrate as N [14797-55-8] ^            | 0.014   | U    | mg/L  | 1  | 0.014 | 1.0   | 0L16005 | EPA 300.0      | 12/17/10 02:14 | RSA   |       |
| Nitrite as N [14797-65-0] ^            | 0.022   | U    | mg/L  | 1  | 0.022 | 0.10  | 0L16005 | EPA 300.0      | 12/17/10 02:14 | RSA   |       |
| Sulfate [14808-79-8] ^                 | 7.7     |      | mg/L  | 1  | 0.08  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 02:14 | RSA   |       |
| Sulfide [18496-25-8] ^                 | 14      |      | mg/L  | 1  | 0.45  | 1.0   | 0L21005 | SM18 4500-S E  | 12/21/10 07:10 | AH    |       |
| Total Alkalinity as CaCO3 [471-34-1] ^ | 420     |      | mg/L  | 1  | 1.7   | 10    | 0L20005 | EPA 310.2      | 12/20/10 11:11 | KGonz |       |
| Total Organic Carbon [ECL-0165] ^      | 72      |      | mg/L  | 2  | 0.24  | 2.0   | 0L17005 | SM18 5310B     | 12/17/10 10:30 | NAP   |       |

Description: MC-2D

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-04

Sampled: 12/15/10 13:13

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

# Dissolved Gases by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]        | Results | Flag | Units | DF | MDL      | POL     | Batch   | Method  | Analyzed       | By  | Notes |
|-----------------------------|---------|------|-------|----|----------|---------|---------|---------|----------------|-----|-------|
| Carbon dioxide [124-38-9] ^ | 33.2    |      | mg/L  | 1  | 2.00     | 2.50    | 0L20002 | RSK-175 | 12/20/10 11:04 | LAC |       |
| Ethane [74-84-0] ^          | 0.00150 | U    | mg/L  | 1  | 0.00150  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:04 | LAC |       |
| Ethene [74-85-1] ^          | 0.0253  |      | mg/L  | 1  | 0.00160  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:04 | LAC |       |
| Methane [74-82-8] ^         | 1.16    |      | mg/L  | 1  | 0.000490 | 0.00100 | 0L20002 | RSK-175 | 12/20/10 11:04 | LAC |       |



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Description: MC-2D

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-04

Sampled: 12/15/10 13:13

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

### Volatile Fatty Acids by HPLC

^ - ENCO Jacksonville certified analyte (NELAC E82277)

| Analyte [CAS Number]                         | Results | Flag | Units | DF | MDL   | PQL  | Batch   | Method | Analyzed       | By  | Notes |
|----------------------------------------------|---------|------|-------|----|-------|------|---------|--------|----------------|-----|-------|
| Acetic Acid [64-19-7] ^                      | 64      |      | mg/L  | 1  | 0.083 | 0.50 | 0L22006 | VGC-13 | 12/21/10 22:58 | MEF |       |
| Butyric Acid [107-92-6] ^                    | 1.4     |      | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/21/10 22:58 | MEF |       |
| Hexanoic Acid [142-62-1] ^                   | 0.23    | U    | mg/L  | 1  | 0.23  | 1.0  | 0L22006 | VGC-13 | 12/21/10 22:58 | MEF |       |
| HIBA (2-Hydroxyisobutyric Acid) [594-61-6] ^ | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/21/10 22:58 | MEF |       |
| iso-Hexanoic Acid [646-07-1] ^               | 0.21    | U    | mg/L  | 1  | 0.21  | 1.0  | 0L22006 | VGC-13 | 12/21/10 22:58 | MEF |       |
| iso-Pentanoic Acid [503-74-2] ^              | 4.8     |      | mg/L  | 1  | 0.26  | 0.50 | 0L22006 | VGC-13 | 12/21/10 22:58 | MEF |       |
| Lactic Acid [50-21-5] ^                      | 0.44    | U    | mg/L  | 1  | 0.44  | 0.50 | 0L22006 | VGC-13 | 12/21/10 22:58 | MEF |       |
| Pentanoic Acid [109-52-4] ^                  | 1.3     |      | mg/L  | 1  | 0.27  | 0.50 | 0L22006 | VGC-13 | 12/21/10 22:58 | MEF |       |
| Propionic Acid [79-09-4] ^                   | 21      |      | mg/L  | 1  | 0.18  | 0.50 | 0L22006 | VGC-13 | 12/21/10 22:58 | MEF |       |
| Pyruvic Acid [127-17-3] ^                    | 0.14    | U    | mg/L  | 1  | 0.14  | 0.50 | 0L22006 | VGC-13 | 12/21/10 22:58 | MEF |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|--------|----------------|-----|-------|
| Trimethylacetic acid | 46      | 1  | 50.0      | 92 %  | 80-124       | 0L22006 | VGC-13 | 12/21/10 22:58 | MEF |       |



Description: MC-2D

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-04

Sampled: 12/15/10 13:13

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]    | Results | Flag | Units | DF | MDL   | PQL  | Batch   | Method    | Analyzed       | By  | Notes |
|-------------------------|---------|------|-------|----|-------|------|---------|-----------|----------------|-----|-------|
| Iron [7439-89-6] ^      | 1610    |      | ug/L  | 1  | 10.0  | 50.0 | 0L20012 | EPA 6010C | 12/21/10 11:42 | ACV |       |
| Manganese [7439-96-5] ^ | 55.7    |      | ug/L  | 1  | 0.690 | 10.0 | 0L20012 | EPA 6010C | 12/21/10 11:42 | ACV |       |

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.





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Description: MC-35

Lab Sample ID: A006604-05

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/15/10 13:59

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                     | Results | Flag | Units | DF | MDL | POL | Batch   | Method    | Analyzed       | By  | Notes |
|------------------------------------------|---------|------|-------|----|-----|-----|---------|-----------|----------------|-----|-------|
| 1,1,1-Trichloroethane [71-55-6] ^        | 20      | U    | ug/L  | 50 | 20  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| 1,1,2,2-Tetrachloroethane [79-34-5] ^    | 12      | U    | ug/L  | 50 | 12  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| 1,1,2-Trichloroethane [79-00-5] ^        | 17      | U    | ug/L  | 50 | 17  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| 1,1-Dichloroethane [75-34-3] ^           | 22      | U    | ug/L  | 50 | 22  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| 1,1-Dichloroethene [75-35-4] ^           | 25      | U    | ug/L  | 50 | 25  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| 1,2-Dichlorobenzene [95-50-1] ^          | 16      | U    | ug/L  | 50 | 16  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| 1,2-Dichloroethane [107-06-2] ^          | 17      | U    | ug/L  | 50 | 17  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| 1,2-Dichloropropane [78-87-5] ^          | 17      | U    | ug/L  | 50 | 17  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| 1,3-Dichlorobenzene [541-73-1] ^         | 17      | U    | ug/L  | 50 | 17  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| 1,4-Dichlorobenzene [106-46-7] ^         | 20      | U    | ug/L  | 50 | 20  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| 2-Chloroethyl Vinyl Ether [110-75-8] ^   | 20      | U    | ug/L  | 50 | 20  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Acetone [67-64-1] ^                      | 100     | U    | ug/L  | 50 | 100 | 250 | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Bromodichloromethane [75-27-4] ^         | 16      | U    | ug/L  | 50 | 16  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Bromoform [75-25-2] ^                    | 11      | U    | ug/L  | 50 | 11  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Bromomethane [74-83-9] ^                 | 32      | U    | ug/L  | 50 | 32  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Carbon tetrachloride [56-23-5] ^         | 26      | U    | ug/L  | 50 | 26  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Chlorobenzene [108-90-7] ^               | 18      | U    | ug/L  | 50 | 18  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Chloroethane [75-00-3] ^                 | 33      | U    | ug/L  | 50 | 33  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Chloroform [67-66-3] ^                   | 18      | U    | ug/L  | 50 | 18  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Chloromethane [74-87-3] ^                | 26      | U    | ug/L  | 50 | 26  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| cis-1,2-Dichloroethene [156-59-2] ^      | 260     |      | ug/L  | 50 | 20  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| cis-1,3-Dichloropropene [10061-01-5] ^   | 15      | U    | ug/L  | 50 | 15  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Dibromochloromethane [124-48-1] ^        | 12      | U    | ug/L  | 50 | 12  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Dichlorodifluoromethane [75-71-8] ^      | 38      | U    | ug/L  | 50 | 38  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Methylene chloride [75-09-2] ^           | 20      | U    | ug/L  | 50 | 20  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Tetrachloroethene [127-18-4] ^           | 3600    |      | ug/L  | 50 | 22  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| trans-1,2-Dichloroethene [156-60-5] ^    | 24      | U    | ug/L  | 50 | 24  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| trans-1,3-Dichloropropene [10061-02-6] ^ | 18      | U    | ug/L  | 50 | 18  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Trichloroethene [79-01-6] ^              | 690     |      | ug/L  | 50 | 20  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Trichlorofluoromethane [75-69-4] ^       | 28      | U    | ug/L  | 50 | 28  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Vinyl chloride [75-01-4] ^               | 24      | U    | ug/L  | 50 | 24  | 50  | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method    | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|-----------|----------------|-----|-------|
| 4-Bromofluorobenzene | 45      | 1  | 50.0      | 90 %  | 41-142       | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Dibromofluoromethane | 39      | 1  | 50.0      | 79 %  | 53-146       | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |
| Toluene-d8           | 42      | 1  | 50.0      | 84 %  | 41-146       | 0L20019 | EPA 8260B | 12/20/10 18:33 | kdw |       |

Description: MC-3S

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-05

Sampled: 12/15/10 13:59

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

# Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                   | Results | Flag | Units | DF | MDL   | PQL   | Batch   | Method         | Analyzed       | By    | Notes |
|----------------------------------------|---------|------|-------|----|-------|-------|---------|----------------|----------------|-------|-------|
| Chloride [16887-00-6] ^                | 27      |      | mg/L  | 1  | 0.24  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 02:32 | RSA   |       |
| Iron, Ferric [7439-89-6]               | 0.029   | U    | mg/L  | 1  | 0.029 | 0.050 | 0L22013 | CALC           | 12/23/10 11:39 | NP    |       |
| Iron, Ferrous [7439-89-6] ^            | 5.2     |      | mg/L  | 1  | 0.37  | 0.50  | 0L22012 | SM18 3500-Fe D | 12/22/10 15:00 | NP    | Q     |
| Nitrate as N [14797-55-8] ^            | 0.014   | U    | mg/L  | 1  | 0.014 | 1.0   | 0L16005 | EPA 300.0      | 12/17/10 02:32 | RSA   |       |
| Nitrite as N [14797-65-0] ^            | 0.022   | U    | mg/L  | 1  | 0.022 | 0.10  | 0L16005 | EPA 300.0      | 12/17/10 02:32 | RSA   |       |
| Sulfate [14808-79-8] ^                 | 10      |      | mg/L  | 1  | 0.08  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 02:32 | RSA   |       |
| Sulfide [18496-25-8] ^                 | 15      |      | mg/L  | 1  | 0.45  | 1.0   | 0L21005 | SM18 4500-S E  | 12/21/10 07:10 | AH    |       |
| Total Alkalinity as CaCO3 [471-34-1] ^ | 110     |      | mg/L  | 1  | 1.7   | 10    | 0L20005 | EPA 310.2      | 12/20/10 11:12 | KGonz |       |
| Total Organic Carbon [ECL-0165] ^      | 410     |      | mg/L  | 5  | 0.60  | 5.0   | 0L17005 | SM18 5310B     | 12/17/10 10:30 | NAP   |       |



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Description: MC-35

Lab Sample ID: A006604-05

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/15/10 13:59

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

### Dissolved Gases by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]        | Results | Flag | Units | DF | MDL      | POL     | Batch   | Method  | Analyzed       | By  | Notes |
|-----------------------------|---------|------|-------|----|----------|---------|---------|---------|----------------|-----|-------|
| Carbon dioxide [124-38-9] ^ | 370     |      | mg/L  | 10 | 20.0     | 25.0    | 0L20002 | RSK-175 | 12/20/10 11:35 | LAC |       |
| Ethane [74-84-0] ^          | 0.00335 |      | mg/L  | 1  | 0.00150  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:08 | LAC |       |
| Ethene [74-85-1] ^          | 0.00400 |      | mg/L  | 1  | 0.00160  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:08 | LAC |       |
| Methane [74-82-8] ^         | 0.717   |      | mg/L  | 1  | 0.000490 | 0.00100 | 0L20002 | RSK-175 | 12/20/10 11:08 | LAC |       |

Description: MC-3S

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-05

Sampled: 12/15/10 13:59

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

# Volatile Fatty Acids by HPLC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]                         | Results | Flag | Units | DF | MDL   | POL  | Batch   | Method | Analyzed       | By  | Notes |
|----------------------------------------------|---------|------|-------|----|-------|------|---------|--------|----------------|-----|-------|
| Acetic Acid [64-19-7] ^                      | 89      |      | mg/L  | 1  | 0.083 | 0.50 | 0L22006 | VGC-13 | 12/22/10 00:00 | MEF |       |
| Butyric Acid [107-92-6] ^                    | 87      |      | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/22/10 00:00 | MEF |       |
| Hexanoic Acid [142-62-1] ^                   | 60      |      | mg/L  | 1  | 0.23  | 1.0  | 0L22006 | VGC-13 | 12/22/10 00:00 | MEF |       |
| HIBA (2-Hydroxyisobutyric Acid) [594-61-6] ^ | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/22/10 00:00 | MEF |       |
| Iso-Hexanoic Acid [646-07-1] ^               | 0.21    | U    | mg/L  | 1  | 0.21  | 1.0  | 0L22006 | VGC-13 | 12/22/10 00:00 | MEF |       |
| Iso-Pentanoic Acid [503-74-2] ^              | 0.26    | U    | mg/L  | 1  | 0.26  | 0.50 | 0L22006 | VGC-13 | 12/22/10 00:00 | MEF |       |
| Lactic Acid [50-21-5] ^                      | 1.2     |      | mg/L  | 1  | 0.44  | 0.50 | 0L22006 | VGC-13 | 12/22/10 00:00 | MEF |       |
| Pentanoic Acid [109-52-4] ^                  | 73      |      | mg/L  | 1  | 0.27  | 0.50 | 0L22006 | VGC-13 | 12/22/10 00:00 | MEF |       |
| Propionic Acid [79-09-4] ^                   | 190     |      | mg/L  | 1  | 0.18  | 0.50 | 0L22006 | VGC-13 | 12/22/10 00:00 | MEF |       |
| Pyruvic Acid [127-17-3] ^                    | 0.14    | U    | mg/L  | 1  | 0.14  | 0.50 | 0L22006 | VGC-13 | 12/22/10 00:00 | MEF |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|--------|----------------|-----|-------|
| Trimethylacetic acid | 46      | 1  | 50.0      | 92 %  | 80-124       | 0L22006 | VGC-13 | 12/22/10 00:00 | MEF |       |



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Description: MC-3S

Lab Sample ID: A006604-05

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/15/10 13:59

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]    | Results | Flag | Units | DF | MDL   | POL  | Batch   | Method    | Analyzed       | By  | Notes |
|-------------------------|---------|------|-------|----|-------|------|---------|-----------|----------------|-----|-------|
| Iron [7439-89-6] ^      | 4900    |      | ug/L  | 1  | 10.0  | 50.0 | 0L20012 | EPA 6010C | 12/21/10 11:44 | ACV |       |
| Manganese [7439-96-5] ^ | 33.7    |      | ug/L  | 1  | 0.690 | 10.0 | 0L20012 | EPA 6010C | 12/21/10 11:44 | ACV |       |

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MC-3D  
Matrix: Ground Water  
Project: Deland NPL Site - HRC

Lab Sample ID: A006604-06  
Sampled: 12/15/10 14:36  
Sampled By: John Munsch

Received: 12/16/10 13:25  
Work Order: A006604

# Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                     | Results | Flag | Units | DF | MDL | PQL | Batch   | Method    | Analyzed       | By  | Notes |
|------------------------------------------|---------|------|-------|----|-----|-----|---------|-----------|----------------|-----|-------|
| 1,1,1-Trichloroethane [71-55-6] ^        | 4.0     | U    | ug/L  | 10 | 4.0 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| 1,1,2,2-Tetrachloroethane [79-34-5] ^    | 2.3     | U    | ug/L  | 10 | 2.3 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| 1,1,2-Trichloroethane [79-00-5] ^        | 3.4     | U    | ug/L  | 10 | 3.4 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| 1,1-Dichloroethane [75-34-3] ^           | 4.5     | U    | ug/L  | 10 | 4.5 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| 1,1-Dichloroethene [75-35-4] ^           | 5.0     | U    | ug/L  | 10 | 5.0 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| 1,2-Dichlorobenzene [95-50-1] ^          | 3.2     | U    | ug/L  | 10 | 3.2 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| 1,2-Dichloroethane [107-06-2] ^          | 3.4     | U    | ug/L  | 10 | 3.4 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| 1,2-Dichloropropane [78-87-5] ^          | 3.4     | U    | ug/L  | 10 | 3.4 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| 1,3-Dichlorobenzene [541-73-1] ^         | 3.4     | U    | ug/L  | 10 | 3.4 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| 1,4-Dichlorobenzene [106-46-7] ^         | 4.1     | U    | ug/L  | 10 | 4.1 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| 2-Chloroethyl Vinyl Ether [110-75-8] ^   | 3.9     | U    | ug/L  | 10 | 3.9 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Acetone [67-64-1] ^                      | 220     |      | ug/L  | 10 | 21  | 50  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Bromodichloromethane [75-27-4] ^         | 3.1     | U    | ug/L  | 10 | 3.1 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Bromoform [75-25-2] ^                    | 2.2     | U    | ug/L  | 10 | 2.2 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Bromomethane [74-83-9] ^                 | 6.3     | U    | ug/L  | 10 | 6.3 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Carbon tetrachloride [56-23-5] ^         | 5.1     | U    | ug/L  | 10 | 5.1 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Chlorobenzene [108-90-7] ^               | 3.7     | U    | ug/L  | 10 | 3.7 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Chloroethane [75-00-3] ^                 | 6.6     | U    | ug/L  | 10 | 6.6 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Chloroform [67-66-3] ^                   | 3.7     | U    | ug/L  | 10 | 3.7 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Chloromethane [74-87-3] ^                | 5.3     | U    | ug/L  | 10 | 5.3 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| cis-1,2-Dichloroethene [156-59-2] ^      | 600     |      | ug/L  | 10 | 4.1 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| cis-1,3-Dichloropropene [10061-01-5] ^   | 3.0     | U    | ug/L  | 10 | 3.0 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Dibromochloromethane [124-48-1] ^        | 2.4     | U    | ug/L  | 10 | 2.4 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Dichlorodifluoromethane [75-71-8] ^      | 7.5     | U    | ug/L  | 10 | 7.5 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Methylene chloride [75-09-2] ^           | 4.1     | U    | ug/L  | 10 | 4.1 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Tetrachloroethene [127-18-4] ^           | 4.3     | U    | ug/L  | 10 | 4.3 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| trans-1,2-Dichloroethene [156-60-5] ^    | 4.7     | U    | ug/L  | 10 | 4.7 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| trans-1,3-Dichloropropene [10061-02-6] ^ | 3.7     | U    | ug/L  | 10 | 3.7 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Trichloroethene [79-01-6] ^              | 3.9     | U    | ug/L  | 10 | 3.9 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Trichlorofluoromethane [75-69-4] ^       | 5.7     | U    | ug/L  | 10 | 5.7 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Vinyl chloride [75-01-4] ^               | 1900    |      | ug/L  | 10 | 4.8 | 10  | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method    | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|-----------|----------------|-----|-------|
| 4-Bromofluorobenzene | 47      | 1  | 50.0      | 93 %  | 41-142       | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Dibromofluoromethane | 40      | 1  | 50.0      | 81 %  | 53-146       | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |
| Toluene-d8           | 43      | 1  | 50.0      | 86 %  | 41-146       | 0L20019 | EPA 8260B | 12/20/10 19:03 | kdw |       |



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Description: MC-3D

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-06

Sampled: 12/15/10 14:36

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

### Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                   | Results | Flag | Units | DF | MDL   | POL   | Batch   | Method         | Analyzed       | By    | Notes |
|----------------------------------------|---------|------|-------|----|-------|-------|---------|----------------|----------------|-------|-------|
| Chloride [16887-00-6] ^                | 86      |      | mg/L  | 1  | 0.24  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 02:49 | RSA   |       |
| Iron, Ferric [7439-89-6]               | 7.5     |      | mg/L  | 1  | 0.029 | 0.050 | 0L22013 | CALC           | 12/23/10 11:39 | NP    |       |
| Iron, Ferrous [7439-89-6] ^            | 0.93    |      | mg/L  | 1  | 0.037 | 0.050 | 0L22012 | SM18 3500-Fe D | 12/22/10 15:00 | NP    | Q     |
| Nitrate as N [14797-55-8] ^            | 0.014   | U    | mg/L  | 1  | 0.014 | 1.0   | 0L16005 | EPA 300.0      | 12/17/10 02:49 | RSA   |       |
| Nitrite as N [14797-65-0] ^            | 0.022   | U    | mg/L  | 1  | 0.022 | 0.10  | 0L16005 | EPA 300.0      | 12/17/10 02:49 | RSA   |       |
| Sulfate [14808-79-8] ^                 | 1.5     | I    | mg/L  | 1  | 0.08  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 02:49 | RSA   |       |
| Sulfide [18496-25-8] ^                 | 1.9     |      | mg/L  | 1  | 0.45  | 1.0   | 0L21005 | SM18 4500-S E  | 12/21/10 07:10 | AH    |       |
| Total Alkalinity as CaCO3 [471-34-1] ^ | 1500    |      | mg/L  | 10 | 17    | 100   | 0L20005 | EPA 310.2      | 12/20/10 11:14 | KGonz |       |
| Total Organic Carbon [ECL-0165] ^      | 490     |      | mg/L  | 10 | 1.2   | 10    | 0L17005 | SM18 5310B     | 12/17/10 10:30 | NAP   |       |

Description: MC-3D

Lab Sample ID: A006604-06

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/15/10 14:36

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

# Dissolved Gases by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]        | Results | Flag | Units | DF | MDL      | POL     | Batch   | Method  | Analyzed       | By  | Notes |
|-----------------------------|---------|------|-------|----|----------|---------|---------|---------|----------------|-----|-------|
| Carbon dioxide [124-38-9] ^ | 455     |      | mg/L  | 10 | 20.0     | 25.0    | 0L20002 | RSK-175 | 12/20/10 11:39 | LAC |       |
| Ethane [74-84-0] ^          | 0.00150 | U    | mg/L  | 1  | 0.00150  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:16 | LAC |       |
| Ethene [74-85-1] ^          | 0.129   |      | mg/L  | 1  | 0.00160  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:16 | LAC |       |
| Methane [74-82-8] ^         | 3.73    |      | mg/L  | 1  | 0.000490 | 0.00100 | 0L20002 | RSK-175 | 12/20/10 11:16 | LAC |       |





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Description: MC-3D

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-06

Sampled: 12/15/10 14:36

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

### Volatile Fatty Acids by HPLC

^ - ENCO Jacksonville certified analyte (NELAC E82277)

| Analyte [CAS Number]                         | Results | Flag | Units | DF | MDL  | POL  | Batch   | Method | Analyzed       | By  | Notes |
|----------------------------------------------|---------|------|-------|----|------|------|---------|--------|----------------|-----|-------|
| Acetic Acid [64-19-7] ^                      | 560     |      | mg/L  | 10 | 0.83 | 5.0  | 0L22006 | VGC-13 | 12/22/10 11:04 | MEF |       |
| Butyric Acid [107-92-6] ^                    | 25      |      | mg/L  | 1  | 0.16 | 0.50 | 0L22006 | VGC-13 | 12/22/10 01:03 | MEF |       |
| Hexanoic Acid [142-62-1] ^                   | 0.23    | U    | mg/L  | 1  | 0.23 | 1.0  | 0L22006 | VGC-13 | 12/22/10 01:03 | MEF |       |
| HIBA (2-Hydroxyisobutyric Acid) [594-61-6] ^ | 0.16    | U    | mg/L  | 1  | 0.16 | 0.50 | 0L22006 | VGC-13 | 12/22/10 01:03 | MEF |       |
| Iso-Hexanoic Acid [646-07-1] ^               | 0.21    | U    | mg/L  | 1  | 0.21 | 1.0  | 0L22006 | VGC-13 | 12/22/10 01:03 | MEF |       |
| Iso-Pentanoic Acid [503-74-2] ^              | 97      |      | mg/L  | 1  | 0.26 | 0.50 | 0L22006 | VGC-13 | 12/22/10 01:03 | MEF |       |
| Lactic Acid [50-21-5] ^                      | 0.44    | U    | mg/L  | 1  | 0.44 | 0.50 | 0L22006 | VGC-13 | 12/22/10 01:03 | MEF |       |
| Pentanoic Acid [109-52-4] ^                  | 21      |      | mg/L  | 1  | 0.27 | 0.50 | 0L22006 | VGC-13 | 12/22/10 01:03 | MEF |       |
| Propionic Acid [79-09-4] ^                   | 200     |      | mg/L  | 1  | 0.18 | 0.50 | 0L22006 | VGC-13 | 12/22/10 01:03 | MEF |       |
| Pyruvic Acid [127-17-3] ^                    | 0.14    | U    | mg/L  | 1  | 0.14 | 0.50 | 0L22006 | VGC-13 | 12/22/10 01:03 | MEF |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|--------|----------------|-----|-------|
| Trimethylacetic acid | 48      | 1  | 50.0      | 96 %  | 80-124       | 0L22006 | VGC-13 | 12/22/10 01:03 | MEF |       |
| Trimethylacetic acid | 51      | 1  | 50.0      | 102 % | 80-124       | 0L22006 | VGC-13 | 12/22/10 11:04 | MEF |       |

Description: MC-3D

Lab Sample ID: A006604-06

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/15/10 14:36

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]    | Results | Flag | Units | DF | MDL   | PQL  | Batch   | Method    | Analyzed       | By  | Notes |
|-------------------------|---------|------|-------|----|-------|------|---------|-----------|----------------|-----|-------|
| Iron [7439-89-6] ^      | 8430    |      | ug/L  | 1  | 10.0  | 50.0 | 0L20013 | EPA 6010C | 12/21/10 12:45 | ACV |       |
| Manganese [7439-96-5] ^ | 189     |      | ug/L  | 1  | 0.690 | 10.0 | 0L20013 | EPA 6010C | 12/21/10 12:45 | ACV |       |



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Description: MC-4S

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-07

Sampled: 12/16/10 09:18

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

### Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                     | Results | Flag | Units | DF | MDL  | POL | Batch   | Method    | Analyzed       | By  | Notes |
|------------------------------------------|---------|------|-------|----|------|-----|---------|-----------|----------------|-----|-------|
| 1,1,1-Trichloroethane [71-55-6] ^        | 0.40    | U    | ug/L  | 1  | 0.40 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| 1,1,2,2-Tetrachloroethane [79-34-5] ^    | 0.23    | U    | ug/L  | 1  | 0.23 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| 1,1,2-Trichloroethane [79-00-5] ^        | 0.34    | U    | ug/L  | 1  | 0.34 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| 1,1-Dichloroethane [75-34-3] ^           | 0.45    | U    | ug/L  | 1  | 0.45 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| 1,1-Dichloroethene [75-35-4] ^           | 0.50    | U    | ug/L  | 1  | 0.50 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| 1,2-Dichlorobenzene [95-50-1] ^          | 0.32    | U    | ug/L  | 1  | 0.32 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| 1,2-Dichloroethane [107-06-2] ^          | 0.34    | U    | ug/L  | 1  | 0.34 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| 1,2-Dichloropropane [78-87-5] ^          | 0.34    | U    | ug/L  | 1  | 0.34 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| 1,3-Dichlorobenzene [541-73-1] ^         | 0.34    | U    | ug/L  | 1  | 0.34 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| 1,4-Dichlorobenzene [106-46-7] ^         | 0.41    | U    | ug/L  | 1  | 0.41 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| 2-Chloroethyl Vinyl Ether [110-75-8] ^   | 0.39    | U    | ug/L  | 1  | 0.39 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Acetone [67-64-1] ^                      | 2.1     | U    | ug/L  | 1  | 2.1  | 5.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Bromodichloromethane [75-27-4] ^         | 0.31    | U    | ug/L  | 1  | 0.31 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Bromoform [75-25-2] ^                    | 0.22    | U    | ug/L  | 1  | 0.22 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Bromomethane [74-83-9] ^                 | 0.63    | U    | ug/L  | 1  | 0.63 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Carbon tetrachloride [56-23-5] ^         | 0.51    | U    | ug/L  | 1  | 0.51 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Chlorobenzene [108-90-7] ^               | 0.37    | U    | ug/L  | 1  | 0.37 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Chloroethane [75-00-3] ^                 | 0.66    | U    | ug/L  | 1  | 0.66 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Chloroform [67-66-3] ^                   | 0.37    | U    | ug/L  | 1  | 0.37 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Chloromethane [74-87-3] ^                | 0.53    | U    | ug/L  | 1  | 0.53 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| cis-1,2-Dichloroethene [156-59-2] ^      | 35      |      | ug/L  | 1  | 0.41 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| cis-1,3-Dichloropropene [10061-01-5] ^   | 0.30    | U    | ug/L  | 1  | 0.30 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Dibromochloromethane [124-48-1] ^        | 0.24    | U    | ug/L  | 1  | 0.24 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Dichlorodifluoromethane [75-71-8] ^      | 0.75    | U    | ug/L  | 1  | 0.75 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Methylene chloride [75-09-2] ^           | 0.41    | U    | ug/L  | 1  | 0.41 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Tetrachloroethene [127-18-4] ^           | 4.5     |      | ug/L  | 1  | 0.43 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| trans-1,2-Dichloroethene [156-60-5] ^    | 0.47    | U    | ug/L  | 1  | 0.47 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| trans-1,3-Dichloropropene [10061-02-6] ^ | 0.37    | U    | ug/L  | 1  | 0.37 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Trichloroethene [79-01-6] ^              | 23      |      | ug/L  | 1  | 0.39 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Trichlorofluoromethane [75-69-4] ^       | 0.57    | U    | ug/L  | 1  | 0.57 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Vinyl chloride [75-01-4] ^               | 0.48    | U    | ug/L  | 1  | 0.48 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method    | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|-----------|----------------|-----|-------|
| 4-Bromofluorobenzene | 46      | 1  | 50.0      | 92 %  | 41-142       | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Dibromofluoromethane | 39      | 1  | 50.0      | 79 %  | 53-146       | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |
| Toluene-d8           | 41      | 1  | 50.0      | 82 %  | 41-146       | 0L20019 | EPA 8260B | 12/20/10 19:33 | kdw |       |



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Description: MC-4S

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-07

Sampled: 12/16/10 09:18

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

### Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                   | Results | Flag | Units | DF | MDL   | PQL   | Batch   | Method         | Analyzed       | By    | Notes |
|----------------------------------------|---------|------|-------|----|-------|-------|---------|----------------|----------------|-------|-------|
| Chloride [16887-00-6] ^                | 49      |      | mg/L  | 1  | 0.24  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 03:07 | RSA   |       |
| Iron, Ferric [7439-89-6]               | 1.2     |      | mg/L  | 1  | 0.029 | 0.050 | 0L22013 | CALC           | 12/23/10 11:39 | NP    |       |
| Iron, Ferrous [7439-89-6] ^            | 5.3     |      | mg/L  | 1  | 0.18  | 0.25  | 0L22012 | SM18 3500-Fe D | 12/22/10 15:00 | NP    | Q     |
| Nitrate as N [14797-55-8] ^            | 0.21    | I    | mg/L  | 1  | 0.014 | 1.0   | 0L16005 | EPA 300.0      | 12/17/10 03:07 | RSA   |       |
| Nitrite as N [14797-65-0] ^            | 0.022   | U    | mg/L  | 1  | 0.022 | 0.10  | 0L16005 | EPA 300.0      | 12/17/10 03:07 | RSA   |       |
| Sulfate [14808-79-8] ^                 | 17      |      | mg/L  | 1  | 0.08  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 03:07 | RSA   |       |
| Sulfide [18496-25-8] ^                 | 1.1     |      | mg/L  | 1  | 0.45  | 1.0   | 0L21005 | SM18 4500-S E  | 12/21/10 07:10 | AH    |       |
| Total Alkalinity as CaCO3 [471-34-1] ^ | 21      |      | mg/L  | 1  | 1.7   | 10    | 0L20005 | EPA 310.2      | 12/20/10 11:15 | KGonz |       |
| Total Organic Carbon [ECL-0165] ^      | 14      |      | mg/L  | 1  | 0.12  | 1.0   | 0L17005 | SM18 5310B     | 12/17/10 10:30 | NAP   |       |



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Description: MC-4S

Lab Sample ID: A006604-07

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/16/10 09:18

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

### Dissolved Gases by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]        | Results | Flag | Units | DF | MDL      | PQL     | Batch   | Method  | Analyzed       | By  | Notes |
|-----------------------------|---------|------|-------|----|----------|---------|---------|---------|----------------|-----|-------|
| Carbon dioxide [124-38-9] ^ | 108     |      | mg/L  | 1  | 2.00     | 2.50    | 0L20002 | RSK-175 | 12/20/10 11:20 | LAC |       |
| Ethane [74-84-0] ^          | 0.00150 | U    | mg/L  | 1  | 0.00150  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:20 | LAC |       |
| Ethene [74-85-1] ^          | 0.00160 | U    | mg/L  | 1  | 0.00160  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:20 | LAC |       |
| Methane [74-82-8] ^         | 0.119   |      | mg/L  | 1  | 0.000490 | 0.00100 | 0L20002 | RSK-175 | 12/20/10 11:20 | LAC |       |

Description: MC-4S

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-07

Sampled: 12/16/10 09:18

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

# Volatile Fatty Acids by HPLC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]                         | Results | Flag | Units | DF | MDL   | PQL  | Batch   | Method | Analyzed       | By  | Notes |
|----------------------------------------------|---------|------|-------|----|-------|------|---------|--------|----------------|-----|-------|
| Acetic Acid [64-19-7] ^                      | 0.083   | U    | mg/L  | 1  | 0.083 | 0.50 | 0L22006 | VGC-13 | 12/22/10 02:05 | MEF |       |
| Butyric Acid [107-92-6] ^                    | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/22/10 02:05 | MEF |       |
| Hexanoic Acid [142-62-1] ^                   | 0.23    | U    | mg/L  | 1  | 0.23  | 1.0  | 0L22006 | VGC-13 | 12/22/10 02:05 | MEF |       |
| HIBA (2-Hydroxyisobutyric Acid) [594-61-6] ^ | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/22/10 02:05 | MEF |       |
| iso-Hexanoic Acid [646-07-1] ^               | 0.21    | U    | mg/L  | 1  | 0.21  | 1.0  | 0L22006 | VGC-13 | 12/22/10 02:05 | MEF |       |
| iso-Pentanoic Acid [503-74-2] ^              | 0.26    | U    | mg/L  | 1  | 0.26  | 0.50 | 0L22006 | VGC-13 | 12/22/10 02:05 | MEF |       |
| Lactic Acid [50-21-5] ^                      | 0.44    | U    | mg/L  | 1  | 0.44  | 0.50 | 0L22006 | VGC-13 | 12/22/10 02:05 | MEF |       |
| Pentanoic Acid [109-52-4] ^                  | 0.27    | U    | mg/L  | 1  | 0.27  | 0.50 | 0L22006 | VGC-13 | 12/22/10 02:05 | MEF |       |
| Propionic Acid [79-09-4] ^                   | 0.18    | U    | mg/L  | 1  | 0.18  | 0.50 | 0L22006 | VGC-13 | 12/22/10 02:05 | MEF |       |
| Pyruvic Acid [127-17-3] ^                    | 0.14    | U    | mg/L  | 1  | 0.14  | 0.50 | 0L22006 | VGC-13 | 12/22/10 02:05 | MEF |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|--------|----------------|-----|-------|
| Trimethylacetic acid | 49      | 1  | 50.0      | 98 %  | 80-124       | 0L22006 | VGC-13 | 12/22/10 02:05 | MEF |       |



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Description: MC-4S

Lab Sample ID: A006604-07

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/16/10 09:18

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

^ - ENCO Jacksonville certified analyte (NELAC E82277)

| Analyte [CAS Number]    | Results | Flag | Units | DF | MDL   | POL  | Batch   | Method    | Analyzed       | By  | Notes |
|-------------------------|---------|------|-------|----|-------|------|---------|-----------|----------------|-----|-------|
| Iron [7439-89-6] ^      | 6540    |      | ug/L  | 1  | 10.0  | 50.0 | 0L20013 | EPA 6010C | 12/21/10 12:48 | ACV |       |
| Manganese [7439-96-5] ^ | 4.52    | 1    | ug/L  | 1  | 0.690 | 10.0 | 0L20013 | EPA 6010C | 12/21/10 12:48 | ACV |       |

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MC-4D

Lab Sample ID: A006604-08

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/16/10 09:58

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

# Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                     | Results | Flag | Units | DF | MDL  | POL | Batch   | Method    | Analyzed       | By  | Notes |
|------------------------------------------|---------|------|-------|----|------|-----|---------|-----------|----------------|-----|-------|
| 1,1,1-Trichloroethane [71-55-6] ^        | 0.40    | U    | ug/L  | 1  | 0.40 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| 1,1,2,2-Tetrachloroethane [79-34-5] ^    | 0.23    | U    | ug/L  | 1  | 0.23 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| 1,1,2-Trichloroethane [79-00-5] ^        | 0.34    | U    | ug/L  | 1  | 0.34 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| 1,1-Dichloroethane [75-34-3] ^           | 0.45    | U    | ug/L  | 1  | 0.45 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| 1,1-Dichloroethene [75-35-4] ^           | 0.50    | U    | ug/L  | 1  | 0.50 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| 1,2-Dichlorobenzene [95-50-1] ^          | 0.32    | U    | ug/L  | 1  | 0.32 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| 1,2-Dichloroethane [107-06-2] ^          | 0.34    | U    | ug/L  | 1  | 0.34 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| 1,2-Dichloropropane [78-87-5] ^          | 0.34    | U    | ug/L  | 1  | 0.34 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| 1,3-Dichlorobenzene [541-73-1] ^         | 0.34    | U    | ug/L  | 1  | 0.34 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| 1,4-Dichlorobenzene [106-46-7] ^         | 0.41    | U    | ug/L  | 1  | 0.41 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| 2-Chloroethyl Vinyl Ether [110-75-8] ^   | 0.39    | U    | ug/L  | 1  | 0.39 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Acetone [67-64-1] ^                      | 2.1     | U    | ug/L  | 1  | 2.1  | 5.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Bromodichloromethane [75-27-4] ^         | 0.31    | U    | ug/L  | 1  | 0.31 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Bromoform [75-25-2] ^                    | 0.22    | U    | ug/L  | 1  | 0.22 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Bromomethane [74-83-9] ^                 | 0.63    | U    | ug/L  | 1  | 0.63 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Carbon tetrachloride [56-23-5] ^         | 0.51    | U    | ug/L  | 1  | 0.51 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Chlorobenzene [108-90-7] ^               | 0.37    | U    | ug/L  | 1  | 0.37 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Chloroethane [75-00-3] ^                 | 0.66    | U    | ug/L  | 1  | 0.66 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Chloroform [67-66-3] ^                   | 0.37    | U    | ug/L  | 1  | 0.37 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Chloromethane [74-87-3] ^                | 0.53    | U    | ug/L  | 1  | 0.53 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| cis-1,2-Dichloroethene [156-59-2] ^      | 1.8     |      | ug/L  | 1  | 0.41 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| cis-1,3-Dichloropropene [10061-01-5] ^   | 0.30    | U    | ug/L  | 1  | 0.30 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Dibromochloromethane [124-48-1] ^        | 0.24    | U    | ug/L  | 1  | 0.24 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Dichlorodifluoromethane [75-71-8] ^      | 0.75    | U    | ug/L  | 1  | 0.75 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Methylene chloride [75-09-2] ^           | 0.41    | U    | ug/L  | 1  | 0.41 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Tetrachloroethene [127-18-4] ^           | 0.43    | U    | ug/L  | 1  | 0.43 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| trans-1,2-Dichloroethene [156-60-5] ^    | 0.47    | U    | ug/L  | 1  | 0.47 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| trans-1,3-Dichloropropene [10061-02-6] ^ | 0.37    | U    | ug/L  | 1  | 0.37 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Trichloroethene [79-01-6] ^              | 49      |      | ug/L  | 1  | 0.39 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Trichlorofluoromethane [75-69-4] ^       | 0.57    | U    | ug/L  | 1  | 0.57 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Vinyl chloride [75-01-4] ^               | 41      |      | ug/L  | 1  | 0.48 | 1.0 | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method    | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|-----------|----------------|-----|-------|
| 4-Bromofluorobenzene | 46      | 1  | 50.0      | 93 %  | 41-142       | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Dibromofluoromethane | 39      | 1  | 50.0      | 78 %  | 53-146       | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |
| Toluene-d8           | 42      | 1  | 50.0      | 85 %  | 41-146       | 0L20019 | EPA 8260B | 12/20/10 20:02 | kdw |       |





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Description: MC-4D

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-08

Sampled: 12/16/10 09:58

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

### Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                   | Results | Flag | Units | DF | MDL   | POL   | Batch   | Method         | Analyzed       | By    | Notes |
|----------------------------------------|---------|------|-------|----|-------|-------|---------|----------------|----------------|-------|-------|
| Chloride [16887-00-6] ^                | 86      |      | mg/L  | 1  | 0.24  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 03:25 | RSA   |       |
| Iron, Ferric [7439-89-6]               | 0.095   |      | mg/L  | 1  | 0.029 | 0.050 | 0L22013 | CALC           | 12/23/10 11:39 | NP    |       |
| Iron, Ferrous [7439-89-6] ^            | 0.073   |      | mg/L  | 1  | 0.037 | 0.050 | 0L22012 | SM18 3500-Fe D | 12/22/10 15:00 | NP    | Q     |
| Nitrate as N [14797-55-8] ^            | 0.18    | I    | mg/L  | 1  | 0.014 | 1.0   | 0L16005 | EPA 300.0      | 12/17/10 03:25 | RSA   |       |
| Nitrite as N [14797-65-0] ^            | 0.022   | U    | mg/L  | 1  | 0.022 | 0.10  | 0L16005 | EPA 300.0      | 12/17/10 03:25 | RSA   |       |
| Sulfate [14808-79-8] ^                 | 160     |      | mg/L  | 5  | 0.38  | 25    | 0L16005 | EPA 300.0      | 12/17/10 11:09 | RSA   |       |
| Sulfide [18496-25-8] ^                 | 2.0     |      | mg/L  | 1  | 0.45  | 1.0   | 0L21005 | SM18 4500-S E  | 12/21/10 07:10 | AH    |       |
| Total Alkalinity as CaCO3 [471-34-1] ^ | 300     |      | mg/L  | 1  | 1.7   | 10    | 0L20005 | EPA 310.2      | 12/20/10 11:13 | KGonz |       |
| Total Organic Carbon [ECL-0165] ^      | 4.7     |      | mg/L  | 1  | 0.12  | 1.0   | 0L17005 | SM18 5310B     | 12/17/10 10:30 | NAP   |       |



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Description: MC-4D

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-08

Sampled: 12/16/10 09:58

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

# Dissolved Gases by GC

^ - ENCO Jacksonville certified analyte (NELAC E82277)

| Analyte [CAS Number]        | Results | Flag | Units | DF | MDL      | PQL     | Batch   | Method  | Analyzed       | By  | Notes |
|-----------------------------|---------|------|-------|----|----------|---------|---------|---------|----------------|-----|-------|
| Carbon dioxide [124-38-9] ^ | 32.0    |      | mg/L  | 1  | 2.00     | 2.50    | 0L20002 | RSK-175 | 12/20/10 11:23 | LAC |       |
| Ethane [74-84-0] ^          | 0.00150 | U    | mg/L  | 1  | 0.00150  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:23 | LAC |       |
| Ethene [74-85-1] ^          | 0.00525 |      | mg/L  | 1  | 0.00160  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:23 | LAC |       |
| Methane [74-82-8] ^         | 4.96    |      | mg/L  | 1  | 0.000490 | 0.00100 | 0L20002 | RSK-175 | 12/20/10 11:23 | LAC |       |



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Description: MC-4D

Lab Sample ID: A006604-08

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/16/10 09:58

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

### Volatile Fatty Acids by HPLC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]                         | Results | Flag | Units | DF | MDL   | POL  | Batch   | Method | Analyzed       | By  | Notes |
|----------------------------------------------|---------|------|-------|----|-------|------|---------|--------|----------------|-----|-------|
| Acetic Acid [64-19-7] ^                      | 0.083   | U    | mg/L  | 1  | 0.083 | 0.50 | 0L22006 | VGC-13 | 12/22/10 03:08 | MEF |       |
| Butyric Acid [107-92-6] ^                    | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/22/10 03:08 | MEF |       |
| Hexanoic Acid [142-62-1] ^                   | 0.23    | U    | mg/L  | 1  | 0.23  | 1.0  | 0L22006 | VGC-13 | 12/22/10 03:08 | MEF |       |
| HLBA (2-Hydroxyisobutyric Acid) [594-61-6] ^ | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/22/10 03:08 | MEF |       |
| iso-Hexanoic Acid [646-07-1] ^               | 0.21    | U    | mg/L  | 1  | 0.21  | 1.0  | 0L22006 | VGC-13 | 12/22/10 03:08 | MEF |       |
| iso-Pentanoic Acid [503-74-2] ^              | 0.26    | U    | mg/L  | 1  | 0.26  | 0.50 | 0L22006 | VGC-13 | 12/22/10 03:08 | MEF |       |
| Lactic Acid [50-21-5] ^                      | 0.44    | U    | mg/L  | 1  | 0.44  | 0.50 | 0L22006 | VGC-13 | 12/22/10 03:08 | MEF |       |
| Pentanoic Acid [109-52-4] ^                  | 0.27    | U    | mg/L  | 1  | 0.27  | 0.50 | 0L22006 | VGC-13 | 12/22/10 03:08 | MEF |       |
| Propionic Acid [79-09-4] ^                   | 0.18    | U    | mg/L  | 1  | 0.18  | 0.50 | 0L22006 | VGC-13 | 12/22/10 03:08 | MEF |       |
| Pyruvic Acid [127-17-3] ^                    | 0.14    | U    | mg/L  | 1  | 0.14  | 0.50 | 0L22006 | VGC-13 | 12/22/10 03:08 | MEF |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|--------|----------------|-----|-------|
| Trimethylacetic acid | 51      | 1  | 50.0      | 103 % | 80-124       | 0L22006 | VGC-13 | 12/22/10 03:08 | MEF |       |

Description: MC-4D

Lab Sample ID: A006604-08

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/16/10 09:58

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

# Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]    | Results | Flag | Units | DF | MDL   | PQL  | Batch   | Method    | Analyzed       | By  | Notes |
|-------------------------|---------|------|-------|----|-------|------|---------|-----------|----------------|-----|-------|
| Iron [7439-89-6] ^      | 168     |      | ug/L  | 1  | 10.0  | 50.0 | 0L20013 | EPA 6010C | 12/21/10 12:51 | ACV |       |
| Manganese [7439-96-5] ^ | 34.4    |      | ug/L  | 1  | 0.690 | 10.0 | 0L20013 | EPA 6010C | 12/21/10 12:51 | ACV |       |

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.



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Description: MC-5S

Lab Sample ID: A006604-09

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/16/10 10:45

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                     | Results | Flag | Units     | DF    | MDL          | POI     | Batch     | Method         | Analyzed       | By    | Notes |
|------------------------------------------|---------|------|-----------|-------|--------------|---------|-----------|----------------|----------------|-------|-------|
| 1,1,1-Trichloroethane [71-55-6] ^        | 0.40    | U    | ug/L      | 1     | 0.40         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| 1,1,2,2-Tetrachloroethane [79-34-5] ^    | 0.23    | U    | ug/L      | 1     | 0.23         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| 1,1,2-Trichloroethane [79-00-5] ^        | 0.34    | U    | ug/L      | 1     | 0.34         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| 1,1-Dichloroethane [75-34-3] ^           | 0.45    | U    | ug/L      | 1     | 0.45         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| 1,1-Dichloroethene [75-35-4] ^           | 0.50    | U    | ug/L      | 1     | 0.50         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| 1,2-Dichlorobenzene [95-50-1] ^          | 0.32    | U    | ug/L      | 1     | 0.32         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| 1,2-Dichloroethane [107-06-2] ^          | 0.34    | U    | ug/L      | 1     | 0.34         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| 1,2-Dichloropropane [78-87-5] ^          | 0.34    | U    | ug/L      | 1     | 0.34         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| 1,3-Dichlorobenzene [541-73-1] ^         | 0.34    | U    | ug/L      | 1     | 0.34         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| 1,4-Dichlorobenzene [106-46-7] ^         | 0.41    | U    | ug/L      | 1     | 0.41         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| 2-Chloroethyl Vinyl Ether [110-75-8] ^   | 0.39    | U    | ug/L      | 1     | 0.39         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Acetone [67-64-1] ^                      | 7.2     |      | ug/L      | 1     | 2.1          | 5.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Bromodichloromethane [75-27-4] ^         | 0.31    | U    | ug/L      | 1     | 0.31         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Bromoform [75-25-2] ^                    | 0.22    | U    | ug/L      | 1     | 0.22         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Bromomethane [74-83-9] ^                 | 0.63    | U    | ug/L      | 1     | 0.63         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Carbon tetrachloride [56-23-5] ^         | 0.51    | U    | ug/L      | 1     | 0.51         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Chlorobenzene [108-90-7] ^               | 0.37    | U    | ug/L      | 1     | 0.37         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Chloroethane [75-00-3] ^                 | 0.66    | U    | ug/L      | 1     | 0.66         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Chloroform [67-66-3] ^                   | 0.37    | U    | ug/L      | 1     | 0.37         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Chloromethane [74-87-3] ^                | 0.53    | U    | ug/L      | 1     | 0.53         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| cis-1,2-Dichloroethene [156-59-2] ^      | 14      |      | ug/L      | 1     | 0.41         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| cis-1,3-Dichloropropene [10061-01-5] ^   | 0.30    | U    | ug/L      | 1     | 0.30         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Dibromochloromethane [124-48-1] ^        | 0.24    | U    | ug/L      | 1     | 0.24         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Dichlorodifluoromethane [75-71-8] ^      | 0.75    | U    | ug/L      | 1     | 0.75         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Methylene chloride [75-09-2] ^           | 0.41    | U    | ug/L      | 1     | 0.41         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Tetrachloroethene [127-18-4] ^           | 0.43    | U    | ug/L      | 1     | 0.43         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| trans-1,2-Dichloroethene [156-60-5] ^    | 0.47    | U    | ug/L      | 1     | 0.47         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| trans-1,3-Dichloropropene [10061-02-6] ^ | 0.37    | U    | ug/L      | 1     | 0.37         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Trichloroethene [79-01-6] ^              | 0.80    | I    | ug/L      | 1     | 0.39         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Trichlorofluoromethane [75-69-4] ^       | 0.57    | U    | ug/L      | 1     | 0.57         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Vinyl chloride [75-01-4] ^               | 0.48    | U    | ug/L      | 1     | 0.48         | 1.0     | 0L20019   | EPA 8260B      | 12/20/10 20:32 | kdw   |       |
| Surrogates                               | Results | DF   | Spike Lvl | % Rec | % Rec Limits | Batch   | Method    | Analyzed       | By             | Notes |       |
| 4-Bromofluorobenzene                     | 43      | 1    | 50.0      | 86 %  | 41-142       | 0L20019 | EPA 8260B | 12/20/10 20:32 | kdw            |       |       |
| Dibromofluoromethane                     | 38      | 1    | 50.0      | 77 %  | 53-146       | 0L20019 | EPA 8260B | 12/20/10 20:32 | kdw            |       |       |
| Toluene-d8                               | 44      | 1    | 50.0      | 88 %  | 41-146       | 0L20019 | EPA 8260B | 12/20/10 20:32 | kdw            |       |       |



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Description: MC-5S

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-09

Sampled: 12/16/10 10:45

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

### Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC EB3182]

| Analyte [CAS Number]                   | Results | Flag | Units | DF | MDL   | PQL   | Batch   | Method         | Analyzed       | By    | Notes |
|----------------------------------------|---------|------|-------|----|-------|-------|---------|----------------|----------------|-------|-------|
| Chloride [16887-00-6] ^                | 20      |      | mg/L  | 1  | 0.24  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 03:43 | RSA   |       |
| Iron, Ferric [7439-89-6]               | 0.22    |      | mg/L  | 1  | 0.029 | 0.050 | 0L22013 | CALC           | 12/23/10 11:39 | NP    |       |
| Iron, Ferrous [7439-89-6] ^            | 0.42    |      | mg/L  | 1  | 0.037 | 0.050 | 0L22012 | SM18 3500-Fe D | 12/22/10 15:00 | NP    | Q     |
| Nitrate as N [14797-55-8] ^            | 0.35    | I    | mg/L  | 1  | 0.014 | 1.0   | 0L16005 | EPA 300.0      | 12/17/10 03:43 | RSA   |       |
| Nitrite as N [14797-65-0] ^            | 0.022   | U    | mg/L  | 1  | 0.022 | 0.10  | 0L16005 | EPA 300.0      | 12/17/10 03:43 | RSA   |       |
| Sulfate [14808-79-8] ^                 | 7.4     |      | mg/L  | 1  | 0.08  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 03:43 | RSA   |       |
| Sulfide [18496-25-8] ^                 | 0.91    | I    | mg/L  | 1  | 0.45  | 1.0   | 0L21005 | SM18 4500-5 E  | 12/21/10 07:10 | AH    |       |
| Total Alkalinity as CaCO3 [471-34-1] ^ | 22      |      | mg/L  | 1  | 1.7   | 10    | 0L20005 | EPA 310.2      | 12/20/10 11:18 | KGonz |       |
| Total Organic Carbon [ECL-0165] ^      | 23      |      | mg/L  | 1  | 0.12  | 1.0   | 0L17005 | SM18 5310B     | 12/17/10 10:30 | NAP   |       |



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Description: MC-5S

Lab Sample ID: A006604-09

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/16/10 10:45

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

### Dissolved Gases by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]        | Results | Flag | Units | DF | MDL      | POL     | Batch   | Method  | Analyzed       | By  | Notes |
|-----------------------------|---------|------|-------|----|----------|---------|---------|---------|----------------|-----|-------|
| Carbon dioxide [124-38-9] ^ | 107     |      | mg/L  | 1  | 2.00     | 2.50    | 0L20002 | RSK-175 | 12/20/10 11:27 | LAC |       |
| Ethane [74-84-0] ^          | 0.00150 | U    | mg/L  | 1  | 0.00150  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:27 | LAC |       |
| Ethene [74-85-1] ^          | 0.00160 | U    | mg/L  | 1  | 0.00160  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:27 | LAC |       |
| Methane [74-82-8] ^         | 0.132   |      | mg/L  | 1  | 0.000490 | 0.00100 | 0L20002 | RSK-175 | 12/20/10 11:27 | LAC |       |

Description: MC-5S

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-09

Sampled: 12/16/10 10:45

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

# Volatile Fatty Acids by HPLC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]                         | Results | Flag | Units | DF | MDL   | PQL  | Batch   | Method | Analyzed       | By  | Notes |
|----------------------------------------------|---------|------|-------|----|-------|------|---------|--------|----------------|-----|-------|
| Acetic Acid [64-19-7] ^                      | 0.083   | U    | mg/L  | 1  | 0.083 | 0.50 | 0L22006 | VGC-13 | 12/22/10 04:16 | MEF |       |
| Butyric Acid [107-92-6] ^                    | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/22/10 04:16 | MEF |       |
| Hexanoic Acid [142-62-1] ^                   | 0.23    | U    | mg/L  | 1  | 0.23  | 1.0  | 0L22006 | VGC-13 | 12/22/10 04:16 | MEF |       |
| HIBA (2-Hydroxyisobutyric Acid) [594-61-6] ^ | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/22/10 04:16 | MEF |       |
| iso-Hexanoic Acid [646-07-1] ^               | 0.21    | U    | mg/L  | 1  | 0.21  | 1.0  | 0L22006 | VGC-13 | 12/22/10 04:16 | MEF |       |
| iso-Pentanoic Acid [503-74-2] ^              | 0.26    | U    | mg/L  | 1  | 0.26  | 0.50 | 0L22006 | VGC-13 | 12/22/10 04:16 | MEF |       |
| Lactic Acid [50-21-5] ^                      | 0.44    | U    | mg/L  | 1  | 0.44  | 0.50 | 0L22006 | VGC-13 | 12/22/10 04:16 | MEF |       |
| Pentanoic Acid [109-52-4] ^                  | 0.27    | U    | mg/L  | 1  | 0.27  | 0.50 | 0L22006 | VGC-13 | 12/22/10 04:16 | MEF |       |
| Propionic Acid [79-09-4] ^                   | 0.18    | U    | mg/L  | 1  | 0.18  | 0.50 | 0L22006 | VGC-13 | 12/22/10 04:16 | MEF |       |
| Pyruvic Acid [127-17-3] ^                    | 0.14    | U    | mg/L  | 1  | 0.14  | 0.50 | 0L22006 | VGC-13 | 12/22/10 04:16 | MEF |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|--------|----------------|-----|-------|
| Trimethylacetic acid | 49      | 1  | 50.0      | 99 %  | 80-124       | 0L22006 | VGC-13 | 12/22/10 04:16 | MEF |       |





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Description: MC-55

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-09

Sampled: 12/16/10 10:45

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

**Metals (total recoverable) by EPA 6000/7000 Series Methods**

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]    | Results | Flag | Units | DF | MDL   | PQL  | Batch   | Method    | Analyzed       | By  | Notes |
|-------------------------|---------|------|-------|----|-------|------|---------|-----------|----------------|-----|-------|
| Iron [7439-89-6] ^      | 644     |      | ug/L  | 1  | 10.0  | 50.0 | 0L20013 | EPA 6010C | 12/21/10 12:53 | ACV |       |
| Manganese [7439-96-5] ^ | 1.65    | I    | ug/L  | 1  | 0.690 | 10.0 | 0L20013 | EPA 6010C | 12/21/10 12:53 | ACV |       |

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

**Description:** MC-5D  
**Matrix:** Ground Water  
**Project:** Deland NPL Site - HRC

**Lab Sample ID:** A006604-10  
**Sampled:** 12/16/10 11:27  
**Sampled By:** John Munsch

**Received:** 12/16/10 13:25  
**Work Order:** A006604

# Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                     | Results | Flag | Units | DF | MDL | PQL | Batch   | Method    | Analyzed       | By  | Notes |
|------------------------------------------|---------|------|-------|----|-----|-----|---------|-----------|----------------|-----|-------|
| 1,1,1-Trichloroethane [71-55-6] ^        | 10      | U    | ug/L  | 25 | 10  | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| 1,1,2,2-Tetrachloroethane [79-34-5] ^    | 5.8     | U    | ug/L  | 25 | 5.8 | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| 1,1,2-Trichloroethane [79-00-5] ^        | 8.5     | U    | ug/L  | 25 | 8.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| 1,1-Dichloroethane [75-34-3] ^           | 11      | U    | ug/L  | 25 | 11  | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| 1,1-Dichloroethene [75-35-4] ^           | 12      | U    | ug/L  | 25 | 12  | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| 1,2-Dichlorobenzene [95-50-1] ^          | 8.0     | U    | ug/L  | 25 | 8.0 | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| 1,2-Dichloroethane [107-06-2] ^          | 8.5     | U    | ug/L  | 25 | 8.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| 1,2-Dichloropropane [78-87-5] ^          | 8.5     | U    | ug/L  | 25 | 8.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| 1,3-Dichlorobenzene [541-73-1] ^         | 8.5     | U    | ug/L  | 25 | 8.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| 1,4-Dichlorobenzene [106-46-7] ^         | 10      | U    | ug/L  | 25 | 10  | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| 2-Chloroethyl Vinyl Ether [110-75-8] ^   | 9.8     | U    | ug/L  | 25 | 9.8 | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Acetone [67-64-1] ^                      | 52      | U    | ug/L  | 25 | 52  | 120 | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Bromodichloromethane [75-27-4] ^         | 7.8     | U    | ug/L  | 25 | 7.8 | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Bromoform [75-25-2] ^                    | 5.5     | U    | ug/L  | 25 | 5.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Bromomethane [74-83-9] ^                 | 16      | U    | ug/L  | 25 | 16  | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Carbon tetrachloride [56-23-5] ^         | 13      | U    | ug/L  | 25 | 13  | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Chlorobenzene [108-90-7] ^               | 9.2     | U    | ug/L  | 25 | 9.2 | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Chloroethane [75-00-3] ^                 | 16      | U    | ug/L  | 25 | 16  | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Chloroform [67-66-3] ^                   | 9.2     | U    | ug/L  | 25 | 9.2 | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Chloromethane [74-87-3] ^                | 13      | U    | ug/L  | 25 | 13  | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| cis-1,2-Dichloroethene [156-59-2] ^      | 100     |      | ug/L  | 25 | 10  | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| cis-1,3-Dichloropropene [10061-01-5] ^   | 7.5     | U    | ug/L  | 25 | 7.5 | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Dibromochloromethane [124-48-1] ^        | 6.0     | U    | ug/L  | 25 | 6.0 | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Dichlorodifluoromethane [75-71-8] ^      | 19      | U    | ug/L  | 25 | 19  | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Methylene chloride [75-09-2] ^           | 10      | U    | ug/L  | 25 | 10  | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Tetrachloroethene [127-18-4] ^           | 2300    |      | ug/L  | 25 | 11  | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| trans-1,2-Dichloroethene [156-60-5] ^    | 12      | U    | ug/L  | 25 | 12  | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| trans-1,3-Dichloropropene [10061-02-6] ^ | 9.2     | U    | ug/L  | 25 | 9.2 | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Trichloroethene [79-01-6] ^              | 590     |      | ug/L  | 25 | 9.8 | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Trichlorofluoromethane [75-69-4] ^       | 14      | U    | ug/L  | 25 | 14  | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Vinyl chloride [75-01-4] ^               | 52      |      | ug/L  | 25 | 12  | 25  | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method    | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|-----------|----------------|-----|-------|
| 4-Bromofluorobenzene | 45      | 1  | 50.0      | 90 %  | 41-142       | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Dibromofluoromethane | 40      | 1  | 50.0      | 79 %  | 53-146       | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |
| Toluene-d8           | 43      | 1  | 50.0      | 86 %  | 41-146       | 0L20019 | EPA 8260B | 12/20/10 21:02 | kdw |       |



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Description: MC-5D

Lab Sample ID: A006604-10

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/16/10 11:27

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

### Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                   | Results | Flag | Units | DF | MDL   | PQL   | Batch   | Method         | Analyzed       | By    | Notes |
|----------------------------------------|---------|------|-------|----|-------|-------|---------|----------------|----------------|-------|-------|
| Chloride [16887-00-6] ^                | 53      |      | mg/L  | 1  | 0.24  | 5.0   | 0L16005 | EPA 300.0      | 12/17/10 04:01 | RSA   |       |
| Iron, Ferric [7439-89-6]               | 0.34    |      | mg/L  | 1  | 0.029 | 0.050 | 0L22013 | CALC           | 12/23/10 11:39 | NP    |       |
| Iron, Ferrous [7439-89-6] ^            | 0.38    |      | mg/L  | 1  | 0.037 | 0.050 | 0L22012 | SM18 3500-Fe D | 12/22/10 15:00 | NP    | Q     |
| Nitrate as N [14797-55-8] ^            | 0.19    | I    | mg/L  | 1  | 0.014 | 1.0   | 0L16005 | EPA 300.0      | 12/17/10 04:01 | RSA   |       |
| Nitrite as N [14797-65-0] ^            | 0.022   | U    | mg/L  | 1  | 0.022 | 0.10  | 0L16005 | EPA 300.0      | 12/17/10 04:01 | RSA   |       |
| Sulfate [14808-79-8] ^                 | 100     |      | mg/L  | 2  | 0.15  | 10    | 0L16005 | EPA 300.0      | 12/17/10 11:50 | RSA   |       |
| Sulfide [18496-25-8] ^                 | 2.2     |      | mg/L  | 1  | 0.45  | 1.0   | 0L21005 | SM18 4500-S E  | 12/21/10 07:10 | AH    |       |
| Total Alkalinity as CaCO3 [471-34-1] ^ | 110     |      | mg/L  | 1  | 1.7   | 10    | 0L20005 | EPA 310.2      | 12/20/10 11:19 | KGanz |       |
| Total Organic Carbon [ECL-0165] ^      | 19      |      | mg/L  | 1  | 0.12  | 1.0   | 0L17005 | SM18 5310B     | 12/17/10 10:30 | NAP   |       |



Description: MC-5D

Lab Sample ID: A006604-10

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/16/10 11:27

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

### Dissolved Gases by GC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]        | Results | Flag | Units | DF | MDL      | POL     | Batch   | Method  | Analyzed       | By  | Notes |
|-----------------------------|---------|------|-------|----|----------|---------|---------|---------|----------------|-----|-------|
| Carbon dioxide [124-38-9] ^ | 10.8    |      | mg/L  | 1  | 2.00     | 2.50    | 0L20002 | RSK-175 | 12/20/10 11:31 | LAC |       |
| Ethane [74-84-0] ^          | 0.00150 | U    | mg/L  | 1  | 0.00150  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:31 | LAC |       |
| Ethene [74-85-1] ^          | 0.00667 |      | mg/L  | 1  | 0.00160  | 0.00200 | 0L20002 | RSK-175 | 12/20/10 11:31 | LAC |       |
| Methane [74-82-8] ^         | 0.194   |      | mg/L  | 1  | 0.000490 | 0.00100 | 0L20002 | RSK-175 | 12/20/10 11:31 | LAC |       |



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Description: MC-5D

Matrix: Ground Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-10

Sampled: 12/16/10 11:27

Sampled By: John Munsch

Received: 12/16/10 13:25

Work Order: A006604

### Volatile Fatty Acids by HPLC

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]                         | Results | Flag | Units | DF | MDL   | PQL  | Batch   | Method | Analyzed       | By  | Notes |
|----------------------------------------------|---------|------|-------|----|-------|------|---------|--------|----------------|-----|-------|
| Acetic Acid [64-19-7] ^                      | 0.083   | U    | mg/L  | 1  | 0.083 | 0.50 | 0L22006 | VGC-13 | 12/22/10 05:23 | MEF |       |
| Butyric Acid [107-92-6] ^                    | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/22/10 05:23 | MEF |       |
| Hexanoic Acid [142-62-1] ^                   | 0.23    | U    | mg/L  | 1  | 0.23  | 1.0  | 0L22006 | VGC-13 | 12/22/10 05:23 | MEF |       |
| HIBA (2-Hydroxyisobutyric Acid) [594-61-6] ^ | 0.16    | U    | mg/L  | 1  | 0.16  | 0.50 | 0L22006 | VGC-13 | 12/22/10 05:23 | MEF |       |
| iso-Hexanoic Acid [646-07-1] ^               | 0.21    | U    | mg/L  | 1  | 0.21  | 1.0  | 0L22006 | VGC-13 | 12/22/10 05:23 | MEF |       |
| iso-Pentanoic Acid [503-74-2] ^              | 0.26    | U    | mg/L  | 1  | 0.26  | 0.50 | 0L22006 | VGC-13 | 12/22/10 05:23 | MEF |       |
| Lactic Acid [50-21-5] ^                      | 0.44    | U    | mg/L  | 1  | 0.44  | 0.50 | 0L22006 | VGC-13 | 12/22/10 05:23 | MEF |       |
| Pentanoic Acid [109-52-4] ^                  | 0.27    | U    | mg/L  | 1  | 0.27  | 0.50 | 0L22006 | VGC-13 | 12/22/10 05:23 | MEF |       |
| Propionic Acid [79-09-4] ^                   | 0.18    | U    | mg/L  | 1  | 0.18  | 0.50 | 0L22006 | VGC-13 | 12/22/10 05:23 | MEF |       |
| Pyruvic Acid [127-17-3] ^                    | 0.14    | U    | mg/L  | 1  | 0.14  | 0.50 | 0L22006 | VGC-13 | 12/22/10 05:23 | MEF |       |

| Surrogates           | Results | DF | Spike Lvl | % Rec | % Rec Limits | Batch   | Method | Analyzed       | By  | Notes |
|----------------------|---------|----|-----------|-------|--------------|---------|--------|----------------|-----|-------|
| Trimethylacetic acid | 53      | 1  | 50.0      | 105 % | 80-124       | 0L22006 | VGC-13 | 12/22/10 05:23 | MEF |       |

Description: MC-5D

Lab Sample ID: A006604-10

Received: 12/16/10 13:25

Matrix: Ground Water

Sampled: 12/16/10 11:27

Work Order: A006604

Project: Deland NPL Site - HRC

Sampled By: John Munsch

# Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

| Analyte [CAS Number]    | Results | Flag | Units | DF | MDL   | POL  | Batch   | Method    | Analyzed       | By  | Notes |
|-------------------------|---------|------|-------|----|-------|------|---------|-----------|----------------|-----|-------|
| Iron [7439-89-6] ^      | 722     |      | ug/L  | 1  | 10.0  | 50.0 | 0L20013 | EPA 6010C | 12/21/10 12:56 | ACV |       |
| Manganese [7439-96-5] ^ | 17.9    |      | ug/L  | 1  | 0.690 | 10.0 | 0L20013 | EPA 6010C | 12/21/10 12:56 | ACV |       |

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.



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Description: TRIP BLANK

Matrix: Water

Project: Deland NPL Site - HRC

Lab Sample ID: A006604-11

Sampled: 12/15/10 00:00

Sampled By: ENCO ORL

Received: 12/16/10 13:25

Work Order: A006604

## Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

| Analyte [CAS Number]                     | Results        | Flag      | Units            | DF           | MDL                 | POL          | Batch         | Method          | Analyzed       | By           | Notes |
|------------------------------------------|----------------|-----------|------------------|--------------|---------------------|--------------|---------------|-----------------|----------------|--------------|-------|
| 1,1,1-Trichloroethane [71-55-6] ^        | 0.40           | U         | ug/L             | 1            | 0.40                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| 1,1,2,2-Tetrachloroethane [79-34-5] ^    | 0.23           | U         | ug/L             | 1            | 0.23                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| 1,1,2-Trichloroethane [79-00-5] ^        | 0.34           | U         | ug/L             | 1            | 0.34                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| 1,1-Dichloroethane [75-34-3] ^           | 0.45           | U         | ug/L             | 1            | 0.45                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| 1,1-Dichloroethene [75-35-4] ^           | 0.50           | U         | ug/L             | 1            | 0.50                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| 1,2-Dichlorobenzene [95-50-1] ^          | 0.32           | U         | ug/L             | 1            | 0.32                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| 1,2-Dichloroethane [107-06-2] ^          | 0.34           | U         | ug/L             | 1            | 0.34                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| 1,2-Dichloropropane [78-87-5] ^          | 0.34           | U         | ug/L             | 1            | 0.34                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| 1,3-Dichlorobenzene [541-73-1] ^         | 0.34           | U         | ug/L             | 1            | 0.34                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| 1,4-Dichlorobenzene [106-46-7] ^         | 0.41           | U         | ug/L             | 1            | 0.41                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| 2-Chloroethyl Vinyl Ether [110-75-8] ^   | 0.39           | U         | ug/L             | 1            | 0.39                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Acetone [67-64-1] ^                      | 2.1            | U         | ug/L             | 1            | 2.1                 | 5.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Bromodichloromethane [75-27-4] ^         | 0.31           | U         | ug/L             | 1            | 0.31                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Bromoform [75-25-2] ^                    | 0.22           | U         | ug/L             | 1            | 0.22                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Bromomethane [74-83-9] ^                 | 0.63           | U         | ug/L             | 1            | 0.63                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Carbon tetrachloride [56-23-5] ^         | 0.51           | U         | ug/L             | 1            | 0.51                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Chlorobenzene [108-90-7] ^               | 0.37           | U         | ug/L             | 1            | 0.37                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Chloroethane [75-00-3] ^                 | 0.66           | U         | ug/L             | 1            | 0.66                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Chloroform [67-66-3] ^                   | 0.37           | U         | ug/L             | 1            | 0.37                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Chloromethane [74-87-3] ^                | 0.53           | U         | ug/L             | 1            | 0.53                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| cis-1,2-Dichloroethene [156-59-2] ^      | 0.41           | U         | ug/L             | 1            | 0.41                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| cis-1,3-Dichloropropene [10061-01-5] ^   | 0.30           | U         | ug/L             | 1            | 0.30                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Dibromochloromethane [124-48-1] ^        | 0.24           | U         | ug/L             | 1            | 0.24                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Dichlorodifluoromethane [75-71-8] ^      | 0.75           | U         | ug/L             | 1            | 0.75                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Methylene chloride [75-09-2] ^           | 0.41           | U         | ug/L             | 1            | 0.41                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Tetrachloroethene [127-18-4] ^           | 0.43           | U         | ug/L             | 1            | 0.43                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| trans-1,2-Dichloroethene [156-60-5] ^    | 0.47           | U         | ug/L             | 1            | 0.47                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| trans-1,3-Dichloropropene [10061-02-6] ^ | 0.37           | U         | ug/L             | 1            | 0.37                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Trichloroethene [79-01-6] ^              | 0.39           | U         | ug/L             | 1            | 0.39                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Trichlorofluoromethane [75-69-4] ^       | 0.57           | U         | ug/L             | 1            | 0.57                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| Vinyl chloride [75-01-4] ^               | 0.48           | U         | ug/L             | 1            | 0.48                | 1.0          | 0L20019       | EPA 8260B       | 12/20/10 21:32 | kdw          |       |
| <b>Surrogates</b>                        | <b>Results</b> | <b>DF</b> | <b>Spike Lvl</b> | <b>% Rec</b> | <b>% Rec Limits</b> | <b>Batch</b> | <b>Method</b> | <b>Analyzed</b> | <b>By</b>      | <b>Notes</b> |       |
| 4-Bromofluorobenzene                     | 49             | 1         | 50.0             | 99 %         | 41-142              | 0L20019      | EPA 8260B     | 12/20/10 21:32  | kdw            |              |       |
| Dibromofluoromethane                     | 41             | 1         | 50.0             | 82 %         | 53-146              | 0L20019      | EPA 8260B     | 12/20/10 21:32  | kdw            |              |       |
| Toluene-d8                               | 44             | 1         | 50.0             | 87 %         | 41-146              | 0L20019      | EPA 8260B     | 12/20/10 21:32  | kdw            |              |       |

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### QUALITY CONTROL

#### Dissolved Gases by GC - Quality Control

Batch 0L20002 - NO PREP ANALYTIX

Blank (0L20002-BLK1)

Prepared: 12/20/2010 08:57 Analyzed: 12/20/2010 10:04

| Analyte        | Result   | Flag | PQL     | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------|----------|------|---------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Carbon dioxide | 2.00     | U    | 2.50    | mg/L  |             |               |      |             |     |           |       |
| Ethane         | 0.00150  | U    | 0.00200 | mg/L  |             |               |      |             |     |           |       |
| Ethene         | 0.00160  | U    | 0.00200 | mg/L  |             |               |      |             |     |           |       |
| Methane        | 0.000490 | U    | 0.00100 | mg/L  |             |               |      |             |     |           |       |

LCS (0L20002-BS1)

Prepared: 12/20/2010 08:57 Analyzed: 12/20/2010 10:08

| Analyte        | Result | Flag | PQL     | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------|--------|------|---------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Carbon dioxide | 31.0   |      | 2.50    | mg/L  | 26.2        |               | 119  | 71-119      |     |           |       |
| Ethane         | 0.183  |      | 0.00200 | mg/L  | 0.180       |               | 102  | 75-123      |     |           |       |
| Ethene         | 0.180  |      | 0.00200 | mg/L  | 0.167       |               | 107  | 72-131      |     |           |       |
| Methane        | 0.0951 |      | 0.00100 | mg/L  | 0.0969      |               | 98   | 74-116      |     |           |       |

Matrix Spike (0L20002-MS1)

Prepared: 12/20/2010 08:57 Analyzed: 12/20/2010 10:23

Source: A006604-01

| Analyte        | Result | Flag | PQL     | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------|--------|------|---------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Carbon dioxide | 119    |      | 2.50    | mg/L  | 26.2        | 84.8          | 130  | 71-119      |     |           | QM-02 |
| Ethane         | 0.169  |      | 0.00200 | mg/L  | 0.180       | 0.00150 U     | 94   | 75-123      |     |           |       |
| Ethene         | 0.158  |      | 0.00200 | mg/L  | 0.167       | 0.00160 U     | 95   | 72-131      |     |           |       |
| Methane        | 0.142  |      | 0.00100 | mg/L  | 0.0969      | 0.0286        | 117  | 74-116      |     |           | QM-02 |

Matrix Spike Dup (0L20002-MSD1)

Prepared: 12/20/2010 08:57 Analyzed: 12/20/2010 10:27

Source: A006604-01

| Analyte        | Result | Flag | PQL     | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------|--------|------|---------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Carbon dioxide | 127    |      | 2.50    | mg/L  | 26.2        | 84.8          | 162  | 71-119      | 7   | 10        | QM-02 |
| Ethane         | 0.182  |      | 0.00200 | mg/L  | 0.180       | 0.00150 U     | 101  | 75-123      | 8   | 14        |       |
| Ethene         | 0.172  |      | 0.00200 | mg/L  | 0.167       | 0.00160 U     | 103  | 72-131      | 8   | 12        |       |
| Methane        | 0.151  |      | 0.00100 | mg/L  | 0.0969      | 0.0286        | 126  | 74-116      | 6   | 18        | QM-02 |

#### Volatile Fatty Acids by HPLC - Quality Control

Batch 0L22006 - NO PREP ANALYTIX

Blank (0L22006-BLK1)

Prepared: 12/21/2010 09:00 Analyzed: 12/21/2010 15:40

| Analyte                         | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Acetic Acid                     | 0.083  | U    | 0.50 | mg/L  |             |               |      |             |     |           |       |
| Butyric Acid                    | 0.16   | U    | 0.50 | mg/L  |             |               |      |             |     |           |       |
| Hexanoic Acid                   | 0.23   | U    | 1.0  | mg/L  |             |               |      |             |     |           |       |
| HIBA (2-Hydroxyisobutyric Acid) | 0.16   | U    | 0.50 | mg/L  |             |               |      |             |     |           |       |
| iso-Hexanoic Acid               | 0.21   | U    | 1.0  | mg/L  |             |               |      |             |     |           |       |
| iso-Pentanoic Acid              | 0.26   | U    | 0.50 | mg/L  |             |               |      |             |     |           |       |
| Lactic Acid                     | 0.44   | U    | 0.50 | mg/L  |             |               |      |             |     |           |       |
| Pentanoic Acid                  | 0.27   | U    | 0.50 | mg/L  |             |               |      |             |     |           |       |
| Propionic Acid                  | 0.18   | U    | 0.50 | mg/L  |             |               |      |             |     |           |       |
| Pyruvic Acid                    | 0.14   | U    | 0.50 | mg/L  |             |               |      |             |     |           |       |





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**QUALITY CONTROL****Volatile Fatty Acids by HPLC - Quality Control****Batch 0L22006 - NO PREP ANALYTIX****Blank (0L22006-BLK1) Continued**

Prepared: 12/21/2010 09:00 Analyzed: 12/21/2010 15:40

| Analyte                         | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Surrogate: Trimethylacetic acid | 48     |      |     | mg/L  | 50.0        |               | 97   | 80-124      |     |           |       |

**LCS (0L22006-BS1)**

Prepared: 12/21/2010 09:00 Analyzed: 12/21/2010 16:42

| Analyte                         | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Acetic Acid                     | 18     |      | 0.50 | mg/L  | 20.0        |               | 88   | 73-125      |     |           |       |
| Butyric Acid                    | 19     |      | 0.50 | mg/L  | 20.0        |               | 97   | 80-120      |     |           |       |
| Hexanoic Acid                   | 21     |      | 1.0  | mg/L  | 20.0        |               | 104  | 78-120      |     |           |       |
| HIBA (2-Hydroxyisobutyric Acid) | 18     |      | 0.50 | mg/L  | 20.0        |               | 90   | 80-120      |     |           |       |
| iso-Hexanoic Acid               | 23     |      | 1.0  | mg/L  | 20.0        |               | 114  | 80-120      |     |           |       |
| iso-Pentanoic Acid              | 23     |      | 0.50 | mg/L  | 20.0        |               | 114  | 78-120      |     |           |       |
| Lactic Acid                     | 19     |      | 0.50 | mg/L  | 20.0        |               | 93   | 56-154      |     |           |       |
| Pentanoic Acid                  | 20     |      | 0.50 | mg/L  | 20.0        |               | 101  | 77-120      |     |           |       |
| Propionic Acid                  | 19     |      | 0.50 | mg/L  | 20.0        |               | 96   | 80-120      |     |           |       |
| Pyruvic Acid                    | 16     |      | 0.50 | mg/L  | 20.0        |               | 82   | 37-142      |     |           |       |
| Surrogate: Trimethylacetic acid | 46     |      |      | mg/L  | 50.0        |               | 92   | 80-124      |     |           |       |

**Matrix Spike (0L22006-MS1)**

Prepared: 12/21/2010 09:00 Analyzed: 12/21/2010 17:45

**Source: A006604-01**

| Analyte                         | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Acetic Acid                     | 17     |      | 0.50 | mg/L  | 20.0        | 0.083 U       | 84   | 73-125      |     |           |       |
| Butyric Acid                    | 18     |      | 0.50 | mg/L  | 20.0        | 0.16 U        | 92   | 80-120      |     |           |       |
| Hexanoic Acid                   | 19     |      | 1.0  | mg/L  | 20.0        | 0.23 U        | 94   | 78-120      |     |           |       |
| HIBA (2-Hydroxyisobutyric Acid) | 17     |      | 0.50 | mg/L  | 20.0        | 0.16 U        | 85   | 80-120      |     |           |       |
| iso-Hexanoic Acid               | 23     |      | 1.0  | mg/L  | 20.0        | 0.21 U        | 113  | 80-120      |     |           |       |
| iso-Pentanoic Acid              | 22     |      | 0.50 | mg/L  | 20.0        | 0.26 U        | 111  | 78-120      |     |           |       |
| Lactic Acid                     | 18     |      | 0.50 | mg/L  | 20.0        | 0.44 U        | 88   | 56-154      |     |           |       |
| Pentanoic Acid                  | 19     |      | 0.50 | mg/L  | 20.0        | 0.27 U        | 97   | 77-120      |     |           |       |
| Propionic Acid                  | 18     |      | 0.50 | mg/L  | 20.0        | 0.18 U        | 89   | 80-120      |     |           |       |
| Pyruvic Acid                    | 16     |      | 0.50 | mg/L  | 20.0        | 0.14 U        | 81   | 37-142      |     |           |       |
| Surrogate: Trimethylacetic acid | 44     |      |      | mg/L  | 50.0        |               | 88   | 80-124      |     |           |       |

**Matrix Spike Dup (0L22006-MSD1)**

Prepared: 12/21/2010 09:00 Analyzed: 12/21/2010 18:47

**Source: A006604-01**

| Analyte                         | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Acetic Acid                     | 18     |      | 0.50 | mg/L  | 20.0        | 0.083 U       | 88   | 73-125      | 4   | 10        |       |
| Butyric Acid                    | 19     |      | 0.50 | mg/L  | 20.0        | 0.16 U        | 96   | 80-120      | 5   | 10        |       |
| Hexanoic Acid                   | 19     |      | 1.0  | mg/L  | 20.0        | 0.23 U        | 96   | 78-120      | 2   | 34        |       |
| HIBA (2-Hydroxyisobutyric Acid) | 17     |      | 0.50 | mg/L  | 20.0        | 0.16 U        | 85   | 80-120      | 0.7 | 15        |       |
| iso-Hexanoic Acid               | 23     |      | 1.0  | mg/L  | 20.0        | 0.21 U        | 114  | 80-120      | 0.7 | 15        |       |
| iso-Pentanoic Acid              | 23     |      | 0.50 | mg/L  | 20.0        | 0.26 U        | 114  | 78-120      | 2   | 15        |       |
| Lactic Acid                     | 18     |      | 0.50 | mg/L  | 20.0        | 0.44 U        | 89   | 56-154      | 1   | 19        |       |
| Pentanoic Acid                  | 20     |      | 0.50 | mg/L  | 20.0        | 0.27 U        | 100  | 77-120      | 3   | 10        |       |
| Propionic Acid                  | 19     |      | 0.50 | mg/L  | 20.0        | 0.18 U        | 94   | 80-120      | 5   | 10        |       |
| Pyruvic Acid                    | 17     |      | 0.50 | mg/L  | 20.0        | 0.14 U        | 85   | 37-142      | 5   | 10        |       |

### QUALITY CONTROL

#### Volatile Fatty Acids by HPLC - Quality Control

Batch 0L22006 - NO PREP ANALYTIX

Matrix Spike Dup (0L22006-MSD1) Continued

Prepared: 12/21/2010 09:00 Analyzed: 12/21/2010 18:47

Source: A006604-01

| Analyte                         | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Surrogate: Trimethylacetic acid | 47     |      |     | mg/L  | 50.0        |               | 94   | 80-124      |     |           |       |

#### Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 0L20012 - EPA 3005A

Blank (0L20012-BLK1)

Prepared: 12/20/2010 17:00 Analyzed: 12/21/2010 10:56

| Analyte   | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Manganese | 0.690  | U    | 10.0 | ug/L  |             |               |      |             |     |           |       |

Blank (0L20012-BLK2)

Prepared: 12/20/2010 17:00 Analyzed: 12/22/2010 11:32

| Analyte | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Iron    | 10.0   | U    | 50.0 | ug/L  |             |               |      |             |     |           |       |

LCS (0L20012-BS1)

Prepared: 12/20/2010 17:00 Analyzed: 12/21/2010 10:59

| Analyte   | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Iron      | 2480   |      | 50.0 | ug/L  | 2500        |               | 99   | 85-115      |     |           |       |
| Manganese | 493    |      | 10.0 | ug/L  | 500         |               | 99   | 85-115      |     |           |       |

Matrix Spike (0L20012-MS1)

Prepared: 12/20/2010 17:00 Analyzed: 12/21/2010 11:01

Source: A006604-01

| Analyte   | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Iron      | 3270   |      | 50.0 | ug/L  | 2500        | 848           | 97   | 80-120      |     |           |       |
| Manganese | 509    |      | 10.0 | ug/L  | 500         | 18.3          | 98   | 80-120      |     |           |       |

Matrix Spike Dup (0L20012-MSD1)

Prepared: 12/20/2010 17:00 Analyzed: 12/21/2010 11:02

Source: A006604-01

| Analyte   | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Iron      | 3310   |      | 50.0 | ug/L  | 2500        | 848           | 99   | 80-120      | 1   | 30        |       |
| Manganese | 513    |      | 10.0 | ug/L  | 500         | 18.3          | 99   | 80-120      | 0.8 | 30        |       |

Batch 0L20013 - EPA 3005A

Blank (0L20013-BLK1)

Prepared: 12/20/2010 17:00 Analyzed: 12/21/2010 12:02

| Analyte   | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Iron      | 10.0   | U    | 50.0 | ug/L  |             |               |      |             |     |           |       |
| Manganese | 0.690  | U    | 10.0 | ug/L  |             |               |      |             |     |           |       |

LCS (0L20013-BS1)

Prepared: 12/20/2010 17:00 Analyzed: 12/21/2010 12:05

### QUALITY CONTROL

#### Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 0L20013 - EPA 3005A

LCS (0L20013-BS1) Continued

Prepared: 12/20/2010 17:00 Analyzed: 12/21/2010 12:05

| Analyte   | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Iron      | 2490   |      | 50.0 | ug/L  | 2500        |               | 99   | 85-115      |     |           |       |
| Manganese | 496    |      | 10.0 | ug/L  | 500         |               | 99   | 85-115      |     |           |       |

Matrix Spike (0L20013-MS1)

Prepared: 12/20/2010 17:00 Analyzed: 12/21/2010 12:11

Source: B005892-06

| Analyte   | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Iron      | 2520   |      | 50.0 | ug/L  | 2500        | 10.0 U        | 101  | 80-120      |     |           |       |
| Manganese | 502    |      | 10.0 | ug/L  | 500         | 0.690 U       | 100  | 80-120      |     |           |       |

Matrix Spike Dup (0L20013-MSD1)

Prepared: 12/20/2010 17:00 Analyzed: 12/21/2010 12:13

Source: B005892-06

| Analyte   | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Iron      | 2470   |      | 50.0 | ug/L  | 2500        | 10.0 U        | 99   | 80-120      | 2   | 30        |       |
| Manganese | 490    |      | 10.0 | ug/L  | 500         | 0.690 U       | 98   | 80-120      | 2   | 30        |       |

### QUALITY CONTROL

#### Volatile Organic Compounds by GCMS - Quality Control

Batch 0L20019 - EPA 5030B\_MS

Blank (0L20019-BLK1)

Prepared: 12/20/2010 11:31 Analyzed: 12/20/2010 13:03

| Analyte                   | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| 1,1,1-Trichloroethane     | 0.40   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| 1,1,2,2-Tetrachloroethane | 0.23   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| 1,1,2-Trichloroethane     | 0.34   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| 1,1-Dichloroethane        | 0.45   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| 1,1-Dichloroethene        | 0.50   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| 1,2-Dichlorobenzene       | 0.32   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| 1,2-Dichloroethane        | 0.34   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| 1,2-Dichloropropane       | 0.34   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| 1,3-Dichlorobenzene       | 0.34   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| 1,4-Dichlorobenzene       | 0.41   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| 2-Chloroethyl Vinyl Ether | 0.39   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| Acetone                   | 2.1    | U    | 5.0 | ug/L  |             |               |      |             |     |           |       |
| Bromodichloromethane      | 0.31   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| Bromoform                 | 0.22   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| Bromomethane              | 0.63   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| Carbon tetrachloride      | 0.51   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| Chlorobenzene             | 0.37   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| Chloroethane              | 0.66   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| Chloroform                | 0.37   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| Chloromethane             | 0.53   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| cis-1,2-Dichloroethene    | 0.41   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| cis-1,3-Dichloropropene   | 0.30   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| Dibromochloromethane      | 0.24   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |

### QUALITY CONTROL

#### Volatile Organic Compounds by GCMS - Quality Control

Batch 0L20019 - EPA 5030B\_MS

Blank (0L20019-BLK1) Continued

Prepared: 12/20/2010 11:31 Analyzed: 12/20/2010 13:03

| Analyte                         | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Dichlorodifluoromethane         | 0.75   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| Methylene chloride              | 0.41   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| Tetrachloroethene               | 0.43   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| trans-1,2-Dichloroethene        | 0.47   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| trans-1,3-Dichloropropene       | 0.37   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| Trichloroethene                 | 0.39   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| Trichlorofluoromethane          | 0.57   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| Vinyl chloride                  | 0.48   | U    | 1.0 | ug/L  |             |               |      |             |     |           |       |
| Surrogate: 4-Bromofluorobenzene | 44     |      |     | ug/L  | 50.0        |               | 89   | 41-142      |     |           |       |
| Surrogate: Dibromofluoromethane | 36     |      |     | ug/L  | 50.0        |               | 72   | 53-146      |     |           |       |
| Surrogate: Toluene-d8           | 42     |      |     | ug/L  | 50.0        |               | 85   | 41-146      |     |           |       |

LCS (0L20019-BS1)

Prepared: 12/20/2010 11:31 Analyzed: 12/20/2010 12:33

| Analyte                         | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| 1,1-Dichloroethene              | 25     |      | 1.0 | ug/L  | 20.0        |               | 124  | 65-144      |     |           |       |
| Chlorobenzene                   | 20     |      | 1.0 | ug/L  | 20.0        |               | 100  | 77-127      |     |           |       |
| Trichloroethene                 | 20     |      | 1.0 | ug/L  | 20.0        |               | 99   | 83-133      |     |           |       |
| Surrogate: 4-Bromofluorobenzene | 43     |      |     | ug/L  | 50.0        |               | 87   | 41-142      |     |           |       |
| Surrogate: Dibromofluoromethane | 35     |      |     | ug/L  | 50.0        |               | 70   | 53-146      |     |           |       |
| Surrogate: Toluene-d8           | 43     |      |     | ug/L  | 50.0        |               | 86   | 41-146      |     |           |       |

Matrix Spike (0L20019-MS1)

Prepared: 12/20/2010 11:31 Analyzed: 12/20/2010 13:33

Source: A006741-02

| Analyte                         | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| 1,1-Dichloroethene              | 22     |      | 1.0 | ug/L  | 20.0        | 0.50 U        | 109  | 65-144      |     |           |       |
| Chlorobenzene                   | 21     |      | 1.0 | ug/L  | 20.0        | 0.37 U        | 106  | 77-127      |     |           |       |
| Trichloroethene                 | 20     |      | 1.0 | ug/L  | 20.0        | 0.39 U        | 98   | 83-133      |     |           |       |
| Surrogate: 4-Bromofluorobenzene | 46     |      |     | ug/L  | 50.0        |               | 92   | 41-142      |     |           |       |
| Surrogate: Dibromofluoromethane | 37     |      |     | ug/L  | 50.0        |               | 74   | 53-146      |     |           |       |
| Surrogate: Toluene-d8           | 44     |      |     | ug/L  | 50.0        |               | 88   | 41-146      |     |           |       |

Matrix Spike Dup (0L20019-MSD1)

Prepared: 12/20/2010 11:31 Analyzed: 12/20/2010 14:04

Source: A006741-02

| Analyte                         | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| 1,1-Dichloroethene              | 22     |      | 1.0 | ug/L  | 20.0        | 0.50 U        | 110  | 65-144      | 0.7 | 16        |       |
| Chlorobenzene                   | 20     |      | 1.0 | ug/L  | 20.0        | 0.37 U        | 99   | 77-127      | 6   | 13        |       |
| Trichloroethene                 | 19     |      | 1.0 | ug/L  | 20.0        | 0.39 U        | 95   | 83-133      | 4   | 20        |       |
| Surrogate: 4-Bromofluorobenzene | 46     |      |     | ug/L  | 50.0        |               | 92   | 41-142      |     |           |       |
| Surrogate: Dibromofluoromethane | 37     |      |     | ug/L  | 50.0        |               | 73   | 53-146      |     |           |       |
| Surrogate: Toluene-d8           | 45     |      |     | ug/L  | 50.0        |               | 89   | 41-146      |     |           |       |

#### Classical Chemistry Parameters - Quality Control



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**QUALITY CONTROL****Classical Chemistry Parameters - Quality Control**

Batch 0L16005 - NO PREP

Blank (0L16005-BLK1)

Prepared: 12/16/2010 14:21 Analyzed: 12/16/2010 22:01

| Analyte      | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Chloride     | 0.24   | U    | 5.0  | mg/L  |             |               |      |             |     |           |       |
| Nitrate as N | 0.014  | U    | 1.0  | mg/L  |             |               |      |             |     |           |       |
| Nitrite as N | 0.022  | U    | 0.10 | mg/L  |             |               |      |             |     |           |       |
| Sulfate      | 0.08   | U    | 5.0  | mg/L  |             |               |      |             |     |           |       |

LCS (0L16005-BS1)

Prepared: 12/16/2010 14:21 Analyzed: 12/16/2010 22:19

| Analyte      | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Chloride     | 51     |      | 5.0  | mg/L  | 50.0        |               | 102  | 90-110      |     |           |       |
| Nitrate as N | 10     |      | 1.0  | mg/L  | 10.0        |               | 102  | 90-110      |     |           |       |
| Nitrite as N | 0.92   |      | 0.10 | mg/L  | 1.00        |               | 92   | 90-110      |     |           |       |
| Sulfate      | 51     |      | 5.0  | mg/L  | 50.0        |               | 103  | 90-110      |     |           |       |

Matrix Spike (0L16005-MS1)

Prepared: 12/16/2010 14:21 Analyzed: 12/16/2010 22:37

Source: A006888-01

| Analyte      | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Chloride     | 64     |      | 5.0  | mg/L  | 50.0        | 13            | 102  | 90-110      |     |           |       |
| Nitrate as N | 10     |      | 1.0  | mg/L  | 10.0        | 0.14          | 100  | 90-110      |     |           |       |
| Nitrite as N | 0.91   |      | 0.10 | mg/L  | 1.00        | 0.022 U       | 91   | 90-110      |     |           |       |
| Sulfate      | 65     |      | 5.0  | mg/L  | 50.0        | 14            | 102  | 90-110      |     |           |       |

Matrix Spike Dup (0L16005-MSD1)

Prepared: 12/16/2010 14:21 Analyzed: 12/16/2010 22:55

Source: A006888-01

| Analyte      | Result | Flag | PQL  | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------|--------|------|------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Chloride     | 63     |      | 5.0  | mg/L  | 50.0        | 13            | 100  | 90-110      | 2   | 10        |       |
| Nitrate as N | 10     |      | 1.0  | mg/L  | 10.0        | 0.14          | 98   | 90-110      | 2   | 10        |       |
| Nitrite as N | 0.90   |      | 0.10 | mg/L  | 1.00        | 0.022 U       | 90   | 90-110      | 1   | 10        |       |
| Sulfate      | 64     |      | 5.0  | mg/L  | 50.0        | 14            | 100  | 90-110      | 2   | 10        |       |

Batch 0L17005 - NO PREP

Blank (0L17005-BLK1)

Prepared: 12/17/2010 10:00 Analyzed: 12/17/2010 10:30

| Analyte              | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Total Organic Carbon | 0.12   | U    | 1.0 | mg/L  |             |               |      |             |     |           |       |

LCS (0L17005-BS1)

Prepared: 12/17/2010 10:00 Analyzed: 12/17/2010 10:30

| Analyte              | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Total Organic Carbon | 41     |      | 1.0 | mg/L  | 40.0        |               | 103  | 85-115      |     |           |       |

Matrix Spike (0L17005-MS1)

Prepared: 12/17/2010 10:00 Analyzed: 12/17/2010 10:30

Source: A006604-01

| Analyte | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|

# QUALITY CONTROL

## Classical Chemistry Parameters - Quality Control

### Batch 0L17005 - NO PREP

#### Matrix Spike (0L17005-MS1) Continued

Prepared: 12/17/2010 10:00 Analyzed: 12/17/2010 10:30

Source: A006604-01

| Analyte              | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Total Organic Carbon | 51     |      | 1.0 | mg/L  | 40.0        | 7.2           | 111  | 85-115      |     |           |       |

#### Matrix Spike Dup (0L17005-MSD1)

Prepared: 12/17/2010 10:00 Analyzed: 12/17/2010 10:30

Source: A006604-01

| Analyte              | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Total Organic Carbon | 48     |      | 1.0 | mg/L  | 40.0        | 7.2           | 103  | 85-115      | 6   | 21        |       |

### Batch 0L20005 - NO PREP

#### Blank (0L20005-BLK1)

Prepared: 12/20/2010 08:13 Analyzed: 12/20/2010 11:05

| Analyte                   | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Total Alkalinity as CaCO3 | 1.7    | U    | 10  | mg/L  |             |               |      |             |     |           |       |

#### LCS (0L20005-BS1)

Prepared: 12/20/2010 08:13 Analyzed: 12/20/2010 11:07

| Analyte                   | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Total Alkalinity as CaCO3 | 260    |      | 10  | mg/L  | 250         |               | 102  | 90-110      |     |           |       |

#### Matrix Spike (0L20005-M51)

Prepared: 12/20/2010 08:13 Analyzed: 12/20/2010 11:21

Source: A006896-08

| Analyte                   | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Total Alkalinity as CaCO3 | 190    |      | 10  | mg/L  | 250         | 74            | 46   | 90-110      |     |           | QM-07 |

#### Matrix Spike Dup (0L20005-MSD1)

Prepared: 12/20/2010 08:13 Analyzed: 12/20/2010 11:22

Source: A006896-08

| Analyte                   | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Total Alkalinity as CaCO3 | 190    |      | 10  | mg/L  | 250         | 74            | 47   | 90-110      | 0.8 | 10        | QM-07 |

### Batch 0L21005 - NO PREP

#### Blank (0L21005-BLK1)

Prepared: 12/21/2010 06:27 Analyzed: 12/21/2010 07:10

| Analyte | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Sulfide | 0.45   | U    | 1.0 | mg/L  |             |               |      |             |     |           |       |

#### LCS (0L21005-BS1)

Prepared: 12/21/2010 06:27 Analyzed: 12/21/2010 07:10

| Analyte | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Sulfide | 4.0    |      | 1.0 | mg/L  | 4.01        |               | 99   | 84-106      |     |           |       |

#### Matrix Spike (0L21005-M51)

Prepared: 12/21/2010 06:27 Analyzed: 12/21/2010 07:10



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**QUALITY CONTROL****Classical Chemistry Parameters - Quality Control****Batch 0L21005 - NO PREP****Matrix Spike (0L21005-MS1) Continued**

Prepared: 12/21/2010 06:27 Analyzed: 12/21/2010 07:10

**Source: A006958-01**

| Analyte | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Sulfide | 3.8    |      | 1.0 | mg/L  | 4.01        | 0.45 U        | 95   | 84-106      |     |           |       |

**Matrix Spike Dup (0L21005-MSD1)**

Prepared: 12/21/2010 06:27 Analyzed: 12/21/2010 07:10

**Source: A006958-01**

| Analyte | Result | Flag | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Sulfide | 3.6    |      | 1.0 | mg/L  | 4.01        | 0.45 U        | 91   | 84-106      | 4   | 10        |       |

**Batch 0L22012 - NO PREP****Blank (0L22012-BLK1)**

Prepared: 12/22/2010 10:25 Analyzed: 12/22/2010 15:00

| Analyte       | Result | Flag | PQL   | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------|--------|------|-------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Iron, Ferrous | 0.037  | U    | 0.050 | mg/L  |             |               |      |             |     |           |       |

**LCS (0L22012-BS1)**

Prepared: 12/22/2010 10:25 Analyzed: 12/22/2010 15:00

| Analyte       | Result | Flag | PQL   | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------|--------|------|-------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Iron, Ferrous | 1.5    |      | 0.050 | mg/L  | 1.50        |               | 98   | 88-114      |     |           |       |

**Matrix Spike (0L22012-MS1)**

Prepared: 12/22/2010 10:25 Analyzed: 12/22/2010 15:00

**Source: A006604-01**

| Analyte       | Result | Flag | PQL   | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------|--------|------|-------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Iron, Ferrous | 1.8    |      | 0.050 | mg/L  | 1.50        | 0.55          | 84   | 88-114      |     |           | QM-07 |

**Matrix Spike Dup (0L22012-MSD1)**

Prepared: 12/22/2010 10:25 Analyzed: 12/22/2010 15:00

**Source: A006604-01**

| Analyte       | Result | Flag | PQL   | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------|--------|------|-------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Iron, Ferrous | 1.9    |      | 0.050 | mg/L  | 1.50        | 0.55          | 87   | 88-114      | 3   | 11        | QM-07 |

### **FLAGS/NOTES AND DEFINITIONS**

|       |                                                                                                                                                                                                         |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PQL   | PQL: Practical Quantitation Limit.                                                                                                                                                                      |
| B     | Results are based upon membrane filter colony counts that are outside the method indicated ideal range.                                                                                                 |
| I     | The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).                                                                                   |
| J     | Estimated value.                                                                                                                                                                                        |
| K     | Off-scale low; Actual value is known to be less than the value given.                                                                                                                                   |
| L     | Off-scale high; Actual value is known to be greater than value given.                                                                                                                                   |
| M     | Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.                                                                                     |
| N     | Presumptive evidence of presence of material.                                                                                                                                                           |
| O     | Sampled, but analysis lost or not performed.                                                                                                                                                            |
| Q     | Sample exceeded the accepted holding time.                                                                                                                                                              |
| T     | Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.                                 |
| U     | Indicates that the compound was analyzed for but not detected.                                                                                                                                          |
| V     | Indicates that the analyte was detected in both the sample and the associated method blank.                                                                                                             |
| Y     | The laboratory analysis was from an improperly preserved sample. The data may not be accurate.                                                                                                          |
| Z     | Too many colonies were present (TNTC); the numeric value represents the filtration volume.                                                                                                              |
| ?     | Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data. |
| *     | Not reported due to interference.                                                                                                                                                                       |
| Q     | Analysis performed outside of method - specified holding time.                                                                                                                                          |
| QM-02 | The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.                                               |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.                                                                        |





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|                                                              |  |                                                   |  |                                 |                          |                                                                    |             |            |       |                          |               |                    |             |                                                           |  |                            |  |
|--------------------------------------------------------------|--|---------------------------------------------------|--|---------------------------------|--------------------------|--------------------------------------------------------------------|-------------|------------|-------|--------------------------|---------------|--------------------|-------------|-----------------------------------------------------------|--|----------------------------|--|
| Client Name<br><b>Universal Engineering Sciences (UN001)</b> |  | Project Number<br><b>[none]</b>                   |  | Requested Analyses              |                          |                                                                    |             |            |       |                          |               |                    |             |                                                           |  | Requested Turnaround Times |  |
| Address<br><b>3532 Maggie Blvd.</b>                          |  | Project Name/Desc<br><b>Deland NPL Site - HRC</b> |  | 8260B Halo                      | 8260B Extended (Acetone) | As310.2 Chloride 300 Nitrate as N 300 Nitrite as N 300 Sulfate 300 | Fatty Acids | Fe/Ferrous | Fe,Mn | Iron, Ferric Calculation | RSK 175 + CO2 | Sulfide SM4500-S E | TOC SM5310B | Note: Rush requests subject to acceptance by the facility |  |                            |  |
| City/State/Zip<br><b>Orlando, FL 32811</b>                   |  | PO # / Billing Info                               |  |                                 |                          |                                                                    |             |            |       |                          |               |                    |             | ____ Standard                                             |  |                            |  |
| Tel<br><b>(407) 423-0504</b>                                 |  | Fax<br><b>(407) 423-2106</b>                      |  |                                 |                          |                                                                    |             |            |       |                          |               |                    |             | ____ Expedited                                            |  |                            |  |
| Reporting Contact<br><b>Mike Geden</b>                       |  | Due <u>  </u> / <u>  </u> / <u>  </u>             |  |                                 |                          |                                                                    |             |            |       |                          |               |                    |             |                                                           |  |                            |  |
| Sampling Method, Frequency (P/H/D)                           |  | Bill to Contact<br><b>Mike Geden</b>              |  | Lab Workorder<br><b>A006604</b> |                          |                                                                    |             |            |       |                          |               |                    |             |                                                           |  |                            |  |
| Site Location / Time Zone                                    |  |                                                   |  |                                 |                          |                                                                    |             |            |       |                          |               |                    |             |                                                           |  |                            |  |

| Item # | Sample ID (Field Identification) | Collection Date | Collection Time | Conts / Grab | Matrix (see codes) | Total # of Containers | HI | HI | I | HI | I | N | - | I | O | O | Sample Comments     |
|--------|----------------------------------|-----------------|-----------------|--------------|--------------------|-----------------------|----|----|---|----|---|---|---|---|---|---|---------------------|
|        | MC-15                            | 12/15/10        | 10:39           | 0            | GW                 | 14                    | X  | X  | X | X  | X | X | X | X | X | X | Sulfide O=ZnAc+NaOH |
|        | MC-1D                            |                 | 11:29           |              |                    | 14                    | X  | X  | X | X  | X | X | X | X | X | X | TOC O = H3PO4       |
|        | MC-25                            |                 | 12:29           |              |                    | 14                    | X  | X  | X | X  | X | X | X | X | X | X |                     |
|        | MC-2D                            |                 | 1:13            |              |                    | 14                    | X  | X  | X | X  | X | X | X | X | X | X |                     |
|        | MC-35                            |                 | 1:59            |              |                    | 14                    | X  | X  | X | X  | X | X | X | X | X | X |                     |
|        | MC-3D                            |                 | 2:36            |              |                    | 14                    | X  | X  | X | X  | X | X | X | X | X | X |                     |
|        | MC-45                            | 12/16/10        | 9:18            |              |                    | 14                    | X  | X  | X | X  | X | X | X | X | X | X |                     |
|        | MC-4D                            |                 | 9:58            |              |                    | 14                    | X  | X  | X | X  | X | X | X | X | X | X |                     |
|        | MC-55                            |                 | 10:45           |              |                    | 14                    | X  | X  | X | X  | X | X | X | X | X | X |                     |
|        | MC-5D                            |                 | 11:27           |              |                    | 14                    | X  | X  | X | X  | X | X | X | X | X | X |                     |
|        | BLANKS                           |                 |                 |              |                    |                       |    |    |   |    |   |   |   |   |   |   |                     |

|                                                            |                                    |                                       |                                             |                                   |                                    |
|------------------------------------------------------------|------------------------------------|---------------------------------------|---------------------------------------------|-----------------------------------|------------------------------------|
| Sample Kit Prepared By<br><b>S</b>                         | Date/Time<br><b>12/16/10 11:30</b> | Relinquished By<br><b>[Signature]</b> | Date/Time<br><b>12/16/10 11:30</b>          | Received By<br><b>[Signature]</b> | Date/Time<br><b>12/15/10 7:00</b>  |
| Comment: Special Reporting Requirements                    |                                    | Relinquished By<br><b>[Signature]</b> | Date/Time<br><b>12/16/10 11:30</b>          | Received By<br><b>[Signature]</b> | Date/Time<br><b>12/16/10 13:25</b> |
| Condition & Temp on Receipt<br><b>LF-700 0°C C-598 0°C</b> |                                    |                                       | Condition Upon Receipt<br><b>Acceptable</b> |                                   |                                    |

Matrix: GW-Groundwater SO-Soil DW-Drinking Water GR-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form unless prior written agreements exist.



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January 14, 2011

U.S. Environmental Protection Agency  
Rusty Kestle  
Waste Management Division  
61 Forsyth Street  
Atlanta, GA 30303

BUREAU OF WASTE CLEANUP

JAN 18 2011

HAZARDOUS WASTE  
CLEANUP SECTION

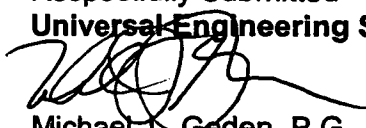
**RE: Semi-Annual Sampling Report  
Sherwood Medical Superfund Site - Deland Florida  
EPA I.D. Number: FLD 043 861 392  
UES Correspondence 699001-v6**

Dear Mr. Kestle:

Universal Engineering Sciences, Inc. (Universal), under contract to Pfizer has completed the Semi-Annual Sampling Report for the above referenced site. This sampling report covers the period of July 1, 2010 through December 31, 2010. As per the request of the Pfizer Project Manager, Mr. John Egan, Universal is forwarding two copies of the sampling report to you for your review and comment. I am also forwarding a copy to the Florida Department of Environmental Protection for review and comment.

If you have any questions or require any additional information, please feel free to contact me at (407) 423-0504 or you can email me at [mgeden@uesorl.com](mailto:mgeden@uesorl.com).

Respectfully Submitted  
Universal Engineering Sciences, Inc.

  
Michael J. Geden, P.G.  
Site Coordinator

cc: FDEP, Chris Pellegrino 1 copy)  
Pfizer, John Egan (1 copy)

BUREAU OF WASTE CLEANUP

JAN 18 2011

PROGRAM & TECHNICAL  
SUPPORT SECTION

Department of Environmental Protection  
**Routing and Transmittal Slip**

| Name               | MS   | Name | MS |
|--------------------|------|------|----|
| 1. Brian Dougherty | 4535 | 5.   |    |
| 2.                 |      | 6.   |    |
| 3.                 |      | 7.   |    |
| 4.                 |      | 8.   |    |

Semi Annual sampling report July-Dec 2010 Sherwood Medical  
Fac ID # 31

**BUREAU OF WASTE CLEANUP**

JAN 18 2011

**PROGRAM & TECHNICAL  
SUPPORT SECTION**

From: **Chris Pellegrino , HWC Section**  
**Phone Extension-245-8972**

Phone: Extension:8972

## **APPENDIX F**

### *Interview Log*

|                                |            |               |
|--------------------------------|------------|---------------|
| AECOM Inspector: Yareli Negrón | CSER Rank: | Date: 11-6-19 |
|--------------------------------|------------|---------------|

1. Name of Property:

Downtown Towing (Previously Danville-Findorff Inc.)

2. Property Address:

2811 SW 70th Ave

3. Name of Current Property Owner(s):

Downtown Towing

4. Type of business currently operating on the premises:

Towing company

5. Historic use of the property (same or different owners)

Fuel supply.

6. Presence of any Underground Storage Tanks (USTs)/ Aboveground Storage Tanks on-site? If yes, details:

~~NO~~ NO.

7. Did this property ever have underground storage tanks?

~~NO~~ NO.

8. Environmental Permits

N/A

9. Is the property owner or occupant aware of any notice of violations or cleanup of contamination at his property?

~~NO~~ NO.

10. Any other relevant information:

\* ~ 15 yrs. ~ 20 yrs.

\* routine inspections were conducted.

\* MW wells were installed, tested, and abandoned after no exceedances were found.

|                                 |            |               |
|---------------------------------|------------|---------------|
| AECOM Inspector: Yaveliz Negron | CSER Rank: | Date: 11-6-19 |
|---------------------------------|------------|---------------|

1. Name of Property:  
El Rey Del Brillo Car Wash (Previously Gort's car wash)
2. Property Address:  
6850 SW 8th Str
3. Name of Current Property Owner(s):  
El Rey del Brillo Car Wash
4. Type of business currently operating on the premises:  
Car wash
5. Historic use of the property (same or different owners)  
Car wash
6. Presence of any Underground Storage Tanks (USTs)/ Aboveground Storage Tanks on-site? If yes, details:  
NONE.
7. Did this property ever have underground storage tanks?  
NONE.
8. Environmental Permits  
N/A. Employees did not know
9. Is the property owner or occupant aware of any notice of violations or cleanup of contamination at his property?  
N/A - Employees did not know.
10. Any other relevant information:
  - obs wells on site.
  - employees on site did not have much info.

Mary Rodriguez - 305 323 9241 F owner.

|                                 |            |               |
|---------------------------------|------------|---------------|
| AECOM Inspector: Yareliz Negron | CSER Rank: | Date: 11-6-19 |
|---------------------------------|------------|---------------|

- Name of Property: MDC PS Storage and <sup>mail</sup> distribution, Food & Nutrition, Transportation
- Property Address: SW 4<sup>th</sup> Street
- Name of Current Property Owner(s): MDC PS Storage & Mail Distribution and Food & Nutrition Carlos Limon ~~is~~ supervisor of S&D
- Type of business currently operating on the premises: MDCPS S&D and Food & Nutrition. Dept of Transportation is no longer on property,
- Historic use of the property (same or different owners) 1959 → MDCPS
- Presence of any Underground Storage Tanks (USTs)/ Aboveground Storage Tanks on-site? If yes, details: Yes. ~~#~~ not known by S&D supervisor.
- Did this property ever have underground storage tanks? Yes.
- Environmental Permits N/A.
- Is the property owner or occupant aware of any notice of violations or cleanup of contamination at his property? N/A.
- Any other relevant information:

- 5 or 6 yrs ago closed down - fuel station is still on site
- 2019 1<sup>st</sup> <sup>yr</sup> buses ~~don't~~ aren't at site.
- S&D and Food & nutrition - for MDCPS
- observation wells are still on site
- part of the site rented to Coral Gables Trolley Service.

Thomas Holmberg - Director of Facilities

Carlos Limon - Supervisor of S&D Dept.

|                                |            |               |
|--------------------------------|------------|---------------|
| AECOM Inspector: Yareli Negrón | CSER Rank: | Date: 11-6-19 |
|--------------------------------|------------|---------------|

- Name of Property:  
A-1 Property Services (Previously A1 Springer Roofing)
- Property Address:  
890 SW 69th Ave
- Name of Current Property Owner(s):  
A-1 Property Services
- Type of business currently operating on the premises:  
N/A. Roofing company no longer there. ~~For~~ Site in process of becoming a tire shop.
- Historic use of the property (same or different owners)  
Commercial Roofing businesses.
- Presence of any Underground Storage Tanks (USTs)/ Aboveground Storage Tanks on-site? If yes, details:  
N/A - Tenant was unaware
- Did this property ever have underground storage tanks?  
N/A - Tenant was unaware
- Environmental Permits  
N/A - Tenant was unaware
- Is the property owner or occupant aware of any notice of violations or cleanup of contamination at his property?  
N/A - Tenant was unaware.
- Any other relevant information:  
• Commercial Roofing business no longer there.

Linda - owner 305-216-9565 - owner (she was not on site)  
674 21 SW - new apt. Joelby - owner not present.



|                                 |             |               |
|---------------------------------|-------------|---------------|
| AECOM Inspector: Yaveliz Negron | CSEER Rank: | Date: 11-6-19 |
|---------------------------------|-------------|---------------|

1. Name of Property: united Fuel - Jax Service Center Inc.
2. Property Address: 6900 SW 8th Street
3. Name of Current Property Owner(s): Julia Ugan
4. Type of business currently operating on the premises: gas station & general mechanic shop.
5. Historic use of the property (same or different owners) gas station.
6. Presence of any Underground Storage Tanks (USTs)/ Aboveground Storage Tanks on-site? If yes, details: yes. 3 underground - gasoline & diesel
7. Did this property ever have underground storage tanks? yes. they're active
8. Environmental Permits N/A.
9. Is the property owner or occupant aware of any notice of violations or cleanup of contamination at his property? NO violations or cleanup contamination.
10. Any other relevant information:
  - 40 years same owners.
  - annual inspections

|                  |                |             |     |       |          |
|------------------|----------------|-------------|-----|-------|----------|
| AECOM Inspector: | Yareliz Negron | CSEER Rank: | Low | Date: | 11-10-19 |
|------------------|----------------|-------------|-----|-------|----------|

- Name of Property:  
Braman Honda
- Property Address:  
7000 Coral Way
- Name of Current Property Owner(s):  
Braman Honda / Imports. Norman Braman - Manny Diaz
- Type of business currently operating on the premises:  
Auto Sales, Maintenance / Service Dept.
- Historic use of the property (same or different owners)  
Previous to 1998, there was an amusement park/center.
- Presence of any Underground Storage Tanks (USTs)/ Aboveground Storage Tanks on-site? If yes, details:  
NONE.
- Did this property ever have underground storage tanks?  
NONE.
- Environmental Permits  
N/A
- Is the property owner or occupant aware of any notice of violations or cleanup of contamination at his property?  
None.
- Any other relevant information:  
\* Braman Honda ownership ~~1998-2000~~ 1998 - Sept.  
\* property next door was an amusement park in the 80s, may have been the site w/ the discharge in the 80s. (Los Piratas)  
↳ BJs had contamination previously.

|                                 |            |              |
|---------------------------------|------------|--------------|
| AECOM Inspector: Yareliz Negrón | CSER Rank: | Date: 4-6-19 |
|---------------------------------|------------|--------------|

1. Name of Property:

Churron Gas station Coral Way

2. Property Address:

6901 S Coral Way

3. Name of Current Property Owner(s):

Deymar Saladino

4. Type of business currently operating on the premises:

Gas Station

5. Historic use of the property (same or different owners)

Gas Station

6. Presence of any Underground Storage Tanks (USTs)/ Aboveground Storage Tanks on-site? If yes, details:

Yes. Not sure of details.

7. Did this property ever have underground storage tanks?

Yes.

8. Environmental Permits

N/A

9. Is the property owner or occupant aware of any notice of violations or cleanup of contamination at his property?

N/A.

10. Any other relevant information:

Manager was not on site. Store employee assisted w/ questions.

|                                  |            |               |
|----------------------------------|------------|---------------|
| AECOM Inspector: Yareeliz Negron | CSER Rank: | Date: 11-8-19 |
|----------------------------------|------------|---------------|

- Name of Property:  
Coral Gables Incinerator
- Property Address:  
SW 72nd Ave and SW 24th Street.
- Name of Current Property Owner(s):  
~~Public Works Dept.~~ City of Coral Gables (within PW facility).
- Type of business currently operating on the premises:  
incinerator, not operational.
- Historic use of the property (same or different owners)  
~~Incinerator~~ incinerator
- Presence of any Underground Storage Tanks (USTs)/ Aboveground Storage Tanks on-site? If yes, details:  
NONE.
- Did this property ever have underground storage tanks?  
NONE.
- Environmental Permits  
NONE at the moment.
- Is the property owner or occupant aware of any notice of violations or cleanup of contamination at his property?  
Oct. 1st funding was received. No plan has been prepared. No violation to knowledge.
- Any other relevant information:  
\* interviewed w/ Public Work dept. (Coral Gables)  
\* Oct. 1st received ~~pa~~ notification of funding for remediation. PW doesn't know what remedial work needs to be done.  
\* Incinerator is next to the West Transfer Station @ 2900SW 72 Avenue

|                                         |            |                      |
|-----------------------------------------|------------|----------------------|
| AECOM Inspector: <i>Yarelitz Negrón</i> | CSER Rank: | Date: <i>11-6-19</i> |
|-----------------------------------------|------------|----------------------|

- Name of Property:  
*FPG Home Design Center (Previously Gold Coast Oil Corp)*
- Property Address:  
*7190 Coral Way, Miami, FL . FDEP address (2835 SW 71st Ave) seems to span the FPG production lot.*
- Name of Current Property Owner(s):  
*FPG Home Design Center*
- Type of business currently operating on the premises:  
*Mill work, woodwork.*
- Historic use of the property (same or different owners)  
*40 yrs, furniture wholesale*
- Presence of any Underground Storage Tanks (USTs)/ Aboveground Storage Tanks on-site? If yes, details:  
*N/A*
- Did this property ever have underground storage tanks?  
*N/A*
- Environmental Permits  
*N/A*
- Is the property owner or occupant aware of any notice of violations or cleanup of contamination at his property?  
*NO.*
- Any other relevant information:  
*- Pedro Cofino*  
*\* ~~20 yrs~~ manager @ FPG has been here for 40 yrs. Per manager, the 7190 site has never had contamination.*  
*BJs, wood treatment plant, > these are <sup>here</sup> across the street.*  
*( 2835 address does not seem to exist )*

|                  |                |            |  |       |         |
|------------------|----------------|------------|--|-------|---------|
| AECOM Inspector: | Yareliz Negrón | CSER Rank: |  | Date: | 11-6-19 |
|------------------|----------------|------------|--|-------|---------|

1. Name of Property:  
Gulf Eagle Supply (Gulfside Supply Inc.)
2. Property Address:  
4241 SW 70th Court.
3. Name of Current Property Owner(s):  
Teri Roman (Gulfside Eagle)
4. Type of business currently operating on the premises:  
Roofing supply
5. Historic use of the property (same or different owners)  
Roofing supply since 2004
6. Presence of any Underground Storage Tanks (USTs)/ Aboveground Storage Tanks on-site? If yes, details:  
Yes. 1 - diesel - aboveground.
7. Did this property ever have underground storage tanks?  
~~Yes~~ NO. only above ground tank.
8. Environmental Permits  
N/A
9. Is the property owner or occupant aware of any notice of violations or cleanup of contamination at his property?  
None.
10. Any other relevant information:  
\* 2004 on site

|                                 |            |               |
|---------------------------------|------------|---------------|
| AECOM Inspector: Yareliz Negrón | CSER Rank: | Date: 11-6-19 |
|---------------------------------|------------|---------------|

1. Name of Property:  
Sixto motor sports. (Previously Causey Roofing Corp)
2. Property Address:  
7004 SW 45th St.
3. Name of Current Property Owner(s):  
Sixto motor sports. - Adrian Sixto.
4. Type of business currently operating on the premises:  
Automotive accessories and supplies.
5. Historic use of the property (same or different owners)  
Roofing company prior to Sixto's purchase.
6. Presence of any Underground Storage Tanks (USTs)/ Aboveground Storage Tanks on-site? If yes, details:  
NO tanks.
7. Did this property ever have underground storage tanks?  
No tanks.
8. Environmental Permits  
Only DERM ~~consents~~ permits to keep up w/ code.
9. Is the property owner or occupant aware of any notice of violations or cleanup of contamination at his property?  
NO cleanup & no violations.
10. Any other relevant information:  
\* 9 yrs on site.  
\* previous owner was a roofing company.

|                                 |             |               |
|---------------------------------|-------------|---------------|
| AECOM Inspector: Yareliz Negrón | CSEER Rank: | Date: 11-6-19 |
|---------------------------------|-------------|---------------|

- Name of Property:  
Robert King High Park
- Property Address:  
7025 W Flagler Street
- Name of Current Property Owner(s):  
Maura Montiel - Park Manager
- Type of business currently operating on the premises:  
Recreational Park.
- Historic use of the property (same or different owners)  
Recreational Park
- Presence of any Underground Storage Tanks (USTs)/ Aboveground Storage Tanks on-site? If yes, details:  
NONE.
- Did this property ever have underground storage tanks?  
NONE.
- Environmental Permits  
N/A.
- Is the property owner or occupant aware of any notice of violations or cleanup of contamination at his property?  
No violation and no cleanup.
- Any other relevant information:  
  - \* debris storage site.
  - \* ~~debris~~ site is not used currently for debris storage.
  - \* Omar Bayonna - 786-503-9867 // 305-416-1300  
↳ can contact him to get permit info. Parks & Rec.