

# TRACE ANALYSIS, INC.

3701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298  
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944  
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313  
3015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260  
E-Mail: lab@traceanalysis.com

## Certifications

WBENC: 237019

HUB: 1752439743100-86536  
NCTRCA WFWB38444Y0909

DBE: VN 20657

## NELAP Certifications

Lubbock: T104704219-08-TX  
LELAP-02003  
Kansas E-10317

El Paso: T104704221-08-TX  
LELAP-02002

Midland: T104704392-08-TX

## Analytical and Quality Control Report

Kyle Summers  
Talon LPE-Artesia  
104 Hermosa Dr.  
Artesia, NM, 88210

Report Date: December 23, 2009

Work Order: 9121611



Project Location: Lea Co., NM  
Project Name: Denton SWD #5  
Project Number: 701014.013.01

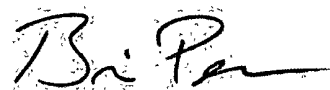
Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

| Sample | Description | Matrix | Date Taken | Time Taken | Date Received |
|--------|-------------|--------|------------|------------|---------------|
| 217390 | Backfill 1  | soil   | 2009-12-10 | 10:30      | 2009-12-16    |
| 217391 | Backfill 2  | soil   | 2009-12-10 | 10:31      | 2009-12-16    |
| 217392 | Backfill 3  | soil   | 2009-12-10 | 10:32      | 2009-12-16    |
| 217393 | Backfill 4  | soil   | 2009-12-10 | 10:33      | 2009-12-16    |
| 217394 | Backfill 5  | soil   | 2009-12-10 | 10:34      | 2009-12-16    |

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 17 pages and shall not be reproduced except in its entirety, without written approval of

TraceAnalysis, Inc.



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Dr. Blair Leftwich, Director  
Dr. Michael Abel, Project Manager

**Standard Flags**

**B** - The sample contains less than ten times the concentration found in the method blank.

## Case Narrative

Samples for project Denton SWD #5 were received by TraceAnalysis, Inc. on 2009-12-16 and assigned to work order 9121611. Samples for work order 9121611 were received intact at a temperature of 3.4 deg. C.

Samples were analyzed for the following tests using their respective methods.

| Test                 | Method       | Prep<br>Batch | Prep<br>Date        | QC<br>Batch | Analysis<br>Date    |
|----------------------|--------------|---------------|---------------------|-------------|---------------------|
| BTEX                 | S 8021B      | 56577         | 2009-12-21 at 15:00 | 66187       | 2009-12-21 at 12:51 |
| Chloride (Titration) | SM 4500-Cl B | 56470         | 2009-12-17 at 08:42 | 66072       | 2009-12-17 at 13:44 |
| TPH DRO - NEW        | Mod. 8015B   | 56461         | 2009-12-16 at 11:18 | 66055       | 2009-12-16 at 11:18 |
| TPH GRO              | S 8015B      | 56577         | 2009-12-21 at 15:00 | 66188       | 2009-12-21 at 13:19 |

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9121611 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

## Analytical Report

### Sample: 217390 - Backfill 1

Laboratory: Midland  
Analysis: BTEX  
QC Batch: 66187  
Prep Batch: 56577

Analytical Method: S 8021B  
Date Analyzed: 2009-12-21  
Sample Preparation: 2009-12-21

Prep Method: S 5035  
Analyzed By: AG  
Prepared By: AG

| Parameter    | Flag | RL      |  | Units | Dilution | RL |        |
|--------------|------|---------|--|-------|----------|----|--------|
|              |      | Result  |  |       |          |    |        |
| Benzene      |      | <0.0100 |  | mg/Kg | 1        |    | 0.0100 |
| Toluene      |      | <0.0100 |  | mg/Kg | 1        |    | 0.0100 |
| Ethylbenzene |      | <0.0100 |  | mg/Kg | 1        |    | 0.0100 |
| Xylene       |      | <0.0100 |  | mg/Kg | 1        |    | 0.0100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |  |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|--|
|                              |      |        |       |          |              |                  |                 |  |
| Trifluorotoluene (TFT)       |      | 2.64   | mg/Kg | 1        | 2.00         | 132              | 64.4 - 141.2    |  |
| 4-Bromofluorobenzene (4-BFB) |      | 2.19   | mg/Kg | 1        | 2.00         | 110              | 43.1 - 158.4    |  |

### Sample: 217390 - Backfill 1

Laboratory: Midland  
Analysis: Chloride (Titration)  
QC Batch: 66072  
Prep Batch: 56470

Analytical Method: SM 4500-Cl B  
Date Analyzed: 2009-12-17  
Sample Preparation: 2009-12-17

Prep Method: N/A  
Analyzed By: AR  
Prepared By: AR

| Parameter | Flag | RL     |  | Units | Dilution | RL |      |
|-----------|------|--------|--|-------|----------|----|------|
|           |      | Result |  |       |          |    |      |
| Chloride  |      | <200   |  | mg/Kg | 50       |    | 4.00 |

### Sample: 217390 - Backfill 1

Laboratory: Midland  
Analysis: TPH DRO - NEW  
QC Batch: 66055  
Prep Batch: 56461

Analytical Method: Mod. 8015B  
Date Analyzed: 2009-12-16  
Sample Preparation: 2009-12-16

Prep Method: N/A  
Analyzed By: kg  
Prepared By: kg

| Parameter | Flag | RL     |  | Units | Dilution | RL |      |
|-----------|------|--------|--|-------|----------|----|------|
|           |      | Result |  |       |          |    |      |
| DRO       |      | <50.0  |  | mg/Kg | 1        |    | 50.0 |

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| Surrogate   | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|-------------|------|--------|-------|----------|--------------|------------------|-----------------|
| n-Tricosane |      | 107    | mg/Kg | 1        | 100          | 107              | 70 - 130        |

**Sample: 217390 - Backfill 1**

Laboratory: Midland  
Analysis: TPH GRO  
QC Batch: 66188  
Prep Batch: 56577

Analytical Method: S 8015B  
Date Analyzed: 2009-12-21  
Sample Preparation: 2009-12-21

Prep Method: S 5035  
Analyzed By: AG  
Prepared By: AG

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| GRO       |      | <1.00        | mg/Kg | 1        | 1.00 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT)       |      | 2.27   | mg/Kg | 1        | 2.00         | 114              | 65.3 - 145      |
| 4-Bromofluorobenzene (4-BFB) |      | 2.61   | mg/Kg | 1        | 2.00         | 130              | 61.7 - 131.1    |

**Sample: 217391 - Backfill 2**

Laboratory: Midland  
Analysis: BTEX  
QC Batch: 66187  
Prep Batch: 56577

Analytical Method: S 8021B  
Date Analyzed: 2009-12-21  
Sample Preparation: 2009-12-21

Prep Method: S 5035  
Analyzed By: AG  
Prepared By: AG

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL     |
|--------------|------|--------------|-------|----------|--------|
| Benzene      |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Toluene      |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Ethylbenzene |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Xylene       |      | <0.0100      | mg/Kg | 1        | 0.0100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT)       |      | 2.36   | mg/Kg | 1        | 2.00         | 118              | 64.4 - 141.2    |
| 4-Bromofluorobenzene (4-BFB) |      | 1.96   | mg/Kg | 1        | 2.00         | 98               | 43.1 - 158.4    |

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**Sample: 217391 - Backfill 2**

|             |                      |                     |              |              |     |
|-------------|----------------------|---------------------|--------------|--------------|-----|
| Laboratory: | Midland              | Analytical Method:  | SM 4500-Cl B | Prep Method: | N/A |
| Analysis:   | Chloride (Titration) | Date Analyzed:      | 2009-12-17   | Analyzed By: | AR  |
| QC Batch:   | 66072                | Sample Preparation: | 2009-12-17   | Prepared By: | AR  |
| Prep Batch: | 56470                |                     |              |              |     |

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| Chloride  |      | <200         | mg/Kg | 50       | 4.00 |

**Sample: 217391 - Backfill 2**

|             |               |                     |            |              |     |
|-------------|---------------|---------------------|------------|--------------|-----|
| Laboratory: | Midland       | Analytical Method:  | Mod. 8015B | Prep Method: | N/A |
| Analysis:   | TPH DRO - NEW | Date Analyzed:      | 2009-12-16 | Analyzed By: | kg  |
| QC Batch:   | 66055         | Sample Preparation: | 2009-12-16 | Prepared By: | kg  |
| Prep Batch: | 56461         |                     |            |              |     |

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| DRO       |      | <50.0        | mg/Kg | 1        | 50.0 |

| Surrogate   | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|-------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| n-Tricosane |      | 104    | mg/Kg | 1        | 100             | 104                 | 70 - 130           |

**Sample: 217391 - Backfill 2**

|             |         |                     |            |              |        |
|-------------|---------|---------------------|------------|--------------|--------|
| Laboratory: | Midland | Analytical Method:  | S 8015B    | Prep Method: | S 5035 |
| Analysis:   | TPH GRO | Date Analyzed:      | 2009-12-21 | Analyzed By: | AG     |
| QC Batch:   | 66188   | Sample Preparation: | 2009-12-21 | Prepared By: | AG     |
| Prep Batch: | 56577   |                     |            |              |        |

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| GRO       |      | 1.16         | mg/Kg | 1        | 1.00 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 2.04   | mg/Kg | 1        | 2.00            | 102                 | 65.3 - 145         |
| 4-Bromofluorobenzene (4-BFB) |      | 2.14   | mg/Kg | 1        | 2.00            | 107                 | 61.7 - 131.1       |

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**Sample: 217392 - Backfill 3**

Laboratory: Midland

Analysis: BTEX

QC Batch: 66187

Prep Batch: 56577

Analytical Method: S 8021B

Date Analyzed: 2009-12-21

Sample Preparation: 2009-12-21

Prep Method: S 5035

Analyzed By: AG

Prepared By: AG

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL     |
|--------------|------|--------------|-------|----------|--------|
| Benzene      |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Toluene      |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Ethylbenzene |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Xylene       |      | <0.0100      | mg/Kg | 1        | 0.0100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 2.57   | mg/Kg | 1        | 2.00            | 128                 | 64.4 - 141.2       |
| 4-Bromofluorobenzene (4-BFB) |      | 2.09   | mg/Kg | 1        | 2.00            | 104                 | 43.1 - 158.4       |

**Sample: 217392 - Backfill 3**

Laboratory: Midland

Analysis: Chloride (Titration)

QC Batch: 66072

Prep Batch: 56470

Analytical Method: SM 4500-Cl B

Date Analyzed: 2009-12-17

Sample Preparation: 2009-12-17

Prep Method: N/A

Analyzed By: AR

Prepared By: AR

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| Chloride  |      | <200         | mg/Kg | 50       | 4.00 |

**Sample: 217392 - Backfill 3**

Laboratory: Midland

Analysis: TPH DRO - NEW

QC Batch: 66055

Prep Batch: 56461

Analytical Method: Mod. 8015B

Date Analyzed: 2009-12-16

Sample Preparation: 2009-12-16

Prep Method: N/A

Analyzed By: kg

Prepared By: kg

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| DRO       |      | <50.0        | mg/Kg | 1        | 50.0 |

| Surrogate   | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|-------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| n-Tricosane |      | 107    | mg/Kg | 1        | 100             | 107                 | 70 - 130           |

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**Sample: 217392 - Backfill 3**

Laboratory: Midland  
Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035  
QC Batch: 66188 Date Analyzed: 2009-12-21 Analyzed By: AG  
Prep Batch: 56577 Sample Preparation: 2009-12-21 Prepared By: AG

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| GRO       |      | <1.00        | mg/Kg | 1        | 1.00 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 2.21   | mg/Kg | 1        | 2.00            | 110                 | 65.3 - 145         |
| 4-Bromofluorobenzene (4-BFB) |      | 2.28   | mg/Kg | 1        | 2.00            | 114                 | 61.7 - 131.1       |

**Sample: 217393 - Backfill 4**

Laboratory: Midland  
Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035  
QC Batch: 66187 Date Analyzed: 2009-12-21 Analyzed By: AG  
Prep Batch: 56577 Sample Preparation: 2009-12-21 Prepared By: AG

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL     |
|--------------|------|--------------|-------|----------|--------|
| Benzene      |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Toluene      |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Ethylbenzene |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Xylene       |      | <0.0100      | mg/Kg | 1        | 0.0100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 2.58   | mg/Kg | 1        | 2.00            | 129                 | 64.4 - 141.2       |
| 4-Bromofluorobenzene (4-BFB) |      | 2.09   | mg/Kg | 1        | 2.00            | 104                 | 43.1 - 158.4       |

**Sample: 217393 - Backfill 4**

Laboratory: Midland  
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A  
QC Batch: 66072 Date Analyzed: 2009-12-17 Analyzed By: AR  
Prep Batch: 56470 Sample Preparation: 2009-12-17 Prepared By: AR

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| Chloride  |      | <200         | mg/Kg | 50       | 4.00 |

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**Sample: 217393 - Backfill 4**

Laboratory: Midland  
Analysis: TPH DRO - NEW  
QC Batch: 66055  
Prep Batch: 56461

Analytical Method: Mod. 8015B  
Date Analyzed: 2009-12-16  
Sample Preparation: 2009-12-16

Prep Method: N/A  
Analyzed By: kg  
Prepared By: kg

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| DRO       |      | <50.0        | mg/Kg | 1        | 50.0 |

| Surrogate   | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|-------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| n-Tricosane |      | 109    | mg/Kg | 1        | 100             | 109                 | 70 - 130           |

**Sample: 217393 - Backfill 4**

Laboratory: Midland  
Analysis: TPH GRO  
QC Batch: 66188  
Prep Batch: 56577

Analytical Method: S 8015B  
Date Analyzed: 2009-12-21  
Sample Preparation: 2009-12-21

Prep Method: S 5035  
Analyzed By: AG  
Prepared By: AG

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| GRO       |      | <1.00        | mg/Kg | 1        | 1.00 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 2.24   | mg/Kg | 1        | 2.00            | 112                 | 65.3 - 145         |
| 4-Bromofluorobenzene (4-BFB) |      | 2.28   | mg/Kg | 1        | 2.00            | 114                 | 61.7 - 131.1       |

**Sample: 217394 - Backfill 5**

Laboratory: Midland  
Analysis: BTEX  
QC Batch: 66187  
Prep Batch: 56577

Analytical Method: S 8021B  
Date Analyzed: 2009-12-21  
Sample Preparation: 2009-12-21

Prep Method: S 5035  
Analyzed By: AG  
Prepared By: AG

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL     |
|--------------|------|--------------|-------|----------|--------|
| Benzene      |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Toluene      |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Ethylbenzene |      | <0.0100      | mg/Kg | 1        | 0.0100 |
| Xylene       |      | <0.0100      | mg/Kg | 1        | 0.0100 |

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| Surrogate                    | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT)       |      | 2.64   | mg/Kg | 1        | 2.00         | 132              | 64.4 - 141.2    |
| 4-Bromofluorobenzene (4-BFB) |      | 2.13   | mg/Kg | 1        | 2.00         | 106              | 43.1 - 158.4    |

**Sample: 217394 - Backfill 5**

Laboratory: Midland  
Analysis: Chloride (Titration)      Analytical Method: SM 4500-Cl B      Prep Method: N/A  
QC Batch: 66072      Date Analyzed: 2009-12-17      Analyzed By: AR  
Prep Batch: 56470      Sample Preparation: 2009-12-17      Prepared By: AR

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| Chloride  |      | <200         | mg/Kg | 50       | 4.00 |

**Sample: 217394 - Backfill 5**

Laboratory: Midland  
Analysis: TPH DRO - NEW      Analytical Method: Mod. 8015B      Prep Method: N/A  
QC Batch: 66055      Date Analyzed: 2009-12-16      Analyzed By: kg  
Prep Batch: 56461      Sample Preparation: 2009-12-16      Prepared By: kg

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| DRO       |      | <50.0        | mg/Kg | 1        | 50.0 |

| Surrogate   | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|-------------|------|--------|-------|----------|--------------|------------------|-----------------|
| n-Tricosane |      | 108    | mg/Kg | 1        | 100          | 108              | 70 - 130        |

**Sample: 217394 - Backfill 5**

Laboratory: Midland  
Analysis: TPH GRO      Analytical Method: S 8015B      Prep Method: S 5035  
QC Batch: 66188      Date Analyzed: 2009-12-21      Analyzed By: AG  
Prep Batch: 56577      Sample Preparation: 2009-12-21      Prepared By: AG

| Parameter | Flag | RL<br>Result | Units | Dilution | RL   |
|-----------|------|--------------|-------|----------|------|
| GRO       |      | <1.00        | mg/Kg | 1        | 1.00 |

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| Surrogate                    | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT)       |      | 2.27   | mg/Kg | 1        | 2.00         | 114              | 65.3 - 145      |
| 4-Bromofluorobenzene (4-BFB) |      | 2.36   | mg/Kg | 1        | 2.00         | 118              | 61.7 - 131.1    |

**Method Blank (1)**      QC Batch: 66055

QC Batch: 66055  
Prep Batch: 56461

Date Analyzed: 2009-12-16  
QC Preparation: 2009-12-16

Analyzed By: kg  
Prepared By: kg

| Parameter | Flag | MDL Result | Units | RL |
|-----------|------|------------|-------|----|
| DRO       |      | <5.86      | mg/Kg | 50 |

| Surrogate   | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|-------------|------|--------|-------|----------|--------------|------------------|-----------------|
| n-Tricosane |      | 104    | mg/Kg | 1        | 100          | 104              | 70 - 130        |

**Method Blank (1)**      QC Batch: 66072

QC Batch: 66072  
Prep Batch: 56470

Date Analyzed: 2009-12-17  
QC Preparation: 2009-12-17

Analyzed By: AR  
Prepared By: AR

| Parameter | Flag | MDL Result | Units | RL |
|-----------|------|------------|-------|----|
| Chloride  |      | <2.18      | mg/Kg | 4  |

**Method Blank (1)**      QC Batch: 66187

QC Batch: 66187  
Prep Batch: 56577

Date Analyzed: 2009-12-21  
QC Preparation: 2009-12-21

Analyzed By: AG  
Prepared By: AG

| Parameter    | Flag | MDL Result | Units | RL   |
|--------------|------|------------|-------|------|
| Benzene      |      | <0.00410   | mg/Kg | 0.01 |
| Toluene      |      | <0.00310   | mg/Kg | 0.01 |
| Ethylbenzene |      | <0.00240   | mg/Kg | 0.01 |
| Xylene       |      | <0.00650   | mg/Kg | 0.01 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT)       |      | 2.40   | mg/Kg | 1        | 2.00         | 120              | 64.9 - 142.7    |
| 4-Bromofluorobenzene (4-BFB) |      | 1.95   | mg/Kg | 1        | 2.00         | 98               | 43.9 - 141.9    |

**Method Blank (1)**      QC Batch: 66188

QC Batch: 66188  
Prep Batch: 56577

Date Analyzed: 2009-12-21  
QC Preparation: 2009-12-21

Analyzed By: AG  
Prepared By: AG

| Parameter | Flag | MDL<br>Result | Units | RL |
|-----------|------|---------------|-------|----|
| GRO       |      | <0.396        | mg/Kg | 1  |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 2.13   | mg/Kg | 1        | 2.00            | 106                 | 66.2 - 145         |
| 4-Bromofluorobenzene (4-BFB) |      | 2.16   | mg/Kg | 1        | 2.00            | 108                 | 62 - 120.5         |

**Laboratory Control Spike (LCS-1)**

QC Batch: 66055  
Prep Batch: 56461

Date Analyzed: 2009-12-16  
QC Preparation: 2009-12-16

Analyzed By: kg  
Prepared By: kg

| Param | LCS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|-------|---------------|-------|------|-----------------|------------------|------|---------------|
| DRO   | 266           | mg/Kg | 1    | 250             | <5.86            | 106  | 57.4 - 133.4  |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param | LCSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|-------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| DRO   | 272            | mg/Kg | 1    | 250             | <5.86            | 109  | 57.4 - 133.4  | 2   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate   | LCS<br>Result | LCSD<br>Result | Units | Dil. | Spike<br>Amount | LCS<br>Rec. | LCSD<br>Rec. | Rec.<br>Limit |
|-------------|---------------|----------------|-------|------|-----------------|-------------|--------------|---------------|
| n-Tricosane | 110           | 112            | mg/Kg | 1    | 100             | 110         | 112          | 70 - 130      |

**Laboratory Control Spike (LCS-1)**

QC Batch: 66072  
Prep Batch: 56470

Date Analyzed: 2009-12-17  
QC Preparation: 2009-12-17

Analyzed By: AR  
Prepared By: AR

| Param    | LCS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|----------|---------------|-------|------|-----------------|------------------|------|---------------|
| Chloride | 98.7          | mg/Kg | 1    | 100             | <2.18            | 99   | 85 - 115      |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Denton SWD #5

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| Param    | LCS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|----------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Chloride | 100           | mg/Kg | 1    | 100             | <2.18            | 100  | 85 - 115      | 1   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

#### Laboratory Control Spike (LCS-1)

QC Batch: 66187  
Prep Batch: 56577

Date Analyzed: 2009-12-21  
QC Preparation: 2009-12-21

Analyzed By: AG  
Prepared By: AG

| Param        | LCS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Benzene      | 1.87          | mg/Kg | 1    | 2.00            | <0.00410         | 94   | 75.4 - 115.7  |
| Toluene      | 1.95          | mg/Kg | 1    | 2.00            | <0.00310         | 98   | 78.4 - 113.6  |
| Ethylbenzene | 1.96          | mg/Kg | 1    | 2.00            | <0.00240         | 98   | 76 - 114.2    |
| Xylene       | 5.84          | mg/Kg | 1    | 6.00            | <0.00650         | 97   | 76.9 - 113.6  |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param        | LCS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Benzene      | 1.84          | mg/Kg | 1    | 2.00            | <0.00410         | 92   | 75.4 - 115.7  | 2   | 20           |
| Toluene      | 1.93          | mg/Kg | 1    | 2.00            | <0.00310         | 96   | 78.4 - 113.6  | 1   | 20           |
| Ethylbenzene | 1.93          | mg/Kg | 1    | 2.00            | <0.00240         | 96   | 76 - 114.2    | 2   | 20           |
| Xylene       | 5.76          | mg/Kg | 1    | 6.00            | <0.00650         | 96   | 76.9 - 113.6  | 1   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate                    | LCS<br>Result | LCS<br>Result | Units | Dil. | Spike<br>Amount | LCS<br>Rec. | LCS<br>Rec. | Rec.<br>Limit |
|------------------------------|---------------|---------------|-------|------|-----------------|-------------|-------------|---------------|
| Trifluorotoluene (TFT)       | 2.42          | 2.32          | mg/Kg | 1    | 2.00            | 121         | 116         | 65 - 142.9    |
| 4-Bromofluorobenzene (4-BFB) | 2.13          | 2.04          | mg/Kg | 1    | 2.00            | 106         | 102         | 43.8 - 144.9  |

#### Laboratory Control Spike (LCS-1)

QC Batch: 66188  
Prep Batch: 56577

Date Analyzed: 2009-12-21  
QC Preparation: 2009-12-21

Analyzed By: AG  
Prepared By: AG

| Param | LCS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|-------|---------------|-------|------|-----------------|------------------|------|---------------|
| GRO   | 15.1          | mg/Kg | 1    | 20.0            | <0.396           | 76   | 52.5 - 114.3  |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param | LCS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|-------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| GRO   | 15.4          | mg/Kg | 1    | 20.0            | <0.396           | 77   | 52.5 - 114.3  | 2   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate                    | LCS<br>Result | LCSD<br>Result | Units | Dil. | Spike<br>Amount | LCS<br>Rec. | LCSD<br>Rec. | Rec.<br>Limit |
|------------------------------|---------------|----------------|-------|------|-----------------|-------------|--------------|---------------|
| Trifluorotoluene (TFT)       | 2.18          | 2.11           | mg/Kg | 1    | 2.00            | 109         | 106          | 66.2 - 148.7  |
| 4-Bromofluorobenzene (4-BFB) | 2.36          | 2.30           | mg/Kg | 1    | 2.00            | 118         | 115          | 64.1 - 127.4  |

**Matrix Spike (MS-1)** Spiked Sample: 217098

QC Batch: 66055  
Prep Batch: 56461

Date Analyzed: 2009-12-16  
QC Preparation: 2009-12-16

Analyzed By: kg  
Prepared By: kg

| Param | MS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|-------|--------------|-------|------|-----------------|------------------|------|---------------|
| DRO   | 239          | mg/Kg | 1    | 250             | <5.86            | 96   | 35.2 - 167.1  |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param | MSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|-------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| DRO   | 238           | mg/Kg | 1    | 250             | <5.86            | 95   | 35.2 - 167.1  | 0   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate   | MS<br>Result | MSD<br>Result | Units | Dil. | Spike<br>Amount | MS<br>Rec. | MSD<br>Rec. | Rec.<br>Limit |
|-------------|--------------|---------------|-------|------|-----------------|------------|-------------|---------------|
| n-Tricosane | 98.4         | 100           | mg/Kg | 1    | 100             | 98         | 100         | 70 - 130      |

**Matrix Spike (MS-1)** Spiked Sample: 217394

QC Batch: 66072  
Prep Batch: 56470

Date Analyzed: 2009-12-17  
QC Preparation: 2009-12-17

Analyzed By: AR  
Prepared By: AR

| Param    | MS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|----------|--------------|-------|------|-----------------|------------------|------|---------------|
| Chloride | 9740         | mg/Kg | 100  | 10000           | <218             | 97   | 85 - 115      |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param    | MSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|----------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Chloride | 9930          | mg/Kg | 100  | 10000           | <218             | 99   | 85 - 115      | 2   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

**Matrix Spike (MS-1)** Spiked Sample: 217295

QC Batch: 66187  
Prep Batch: 56577

Date Analyzed: 2009-12-21  
QC Preparation: 2009-12-21

Analyzed By: AG  
Prepared By: AG

| Param        | MS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|--------------|--------------|-------|------|-----------------|------------------|------|---------------|
| Benzene      | 1.88         | mg/Kg | 1    | 2.00            | <0.00410         | 94   | 57.7 - 140.7  |
| Toluene      | 2.00         | mg/Kg | 1    | 2.00            | <0.00310         | 100  | 53.4 - 146.6  |
| Ethylbenzene | 2.05         | mg/Kg | 1    | 2.00            | <0.00240         | 102  | 62.1 - 141.6  |
| Xylene       | 6.12         | mg/Kg | 1    | 6.00            | <0.00650         | 102  | 61.2 - 142.7  |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param        | MSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Benzene      | 2.01          | mg/Kg | 1    | 2.00            | <0.00410         | 100  | 57.7 - 140.7  | 7   | 20           |
| Toluene      | 2.15          | mg/Kg | 1    | 2.00            | <0.00310         | 108  | 53.4 - 146.6  | 7   | 20           |
| Ethylbenzene | 2.20          | mg/Kg | 1    | 2.00            | <0.00240         | 110  | 62.1 - 141.6  | 7   | 20           |
| Xylene       | 6.56          | mg/Kg | 1    | 6.00            | <0.00650         | 109  | 61.2 - 142.7  | 7   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate                    | MS<br>Result | MSD<br>Result | Units | Dil. | Spike<br>Amount | MS<br>Rec. | MSD<br>Rec. | Rec.<br>Limit |
|------------------------------|--------------|---------------|-------|------|-----------------|------------|-------------|---------------|
| Trifluorotoluene (TFT)       | 2.57         | 2.62          | mg/Kg | 1    | 2               | 128        | 131         | 62.7 - 139.6  |
| 4-Bromofluorobenzene (4-BFB) | 2.12         | 2.15          | mg/Kg | 1    | 2               | 106        | 108         | 49.6 - 146.7  |

**Matrix Spike (MS-1)** Spiked Sample: 217831

QC Batch: 66188  
Prep Batch: 56577

Date Analyzed: 2009-12-21  
QC Preparation: 2009-12-21

Analyzed By: AG  
Prepared By: AG

| Param | MS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|-------|--------------|-------|------|-----------------|------------------|------|---------------|
| GRO   | 16.0         | mg/Kg | 1    | 20.0            | <0.396           | 80   | 10 - 198.3    |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param | MSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|-------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| GRO   | 17.2          | mg/Kg | 1    | 20.0            | <0.396           | 86   | 10 - 198.3    | 7   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate                    | MS<br>Result | MSD<br>Result | Units | Dil. | Spike<br>Amount | MS<br>Rec. | MSD<br>Rec. | Rec.<br>Limit |
|------------------------------|--------------|---------------|-------|------|-----------------|------------|-------------|---------------|
| Trifluorotoluene (TFT)       | 2.10         | 2.22          | mg/Kg | 1    | 2               | 105        | 111         | 65.5 - 143    |
| 4-Bromofluorobenzene (4-BFB) | 2.24         | 2.40          | mg/Kg | 1    | 2               | 112        | 120         | 58.6 - 140    |

**Standard (CCV-2)**

QC Batch: 66055

Date Analyzed: 2009-12-16

Analyzed By: kg

Report Date: December 23, 2009  
701014.013.01

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| Param | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|-------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| DRO   |      | mg/Kg | 250                   | 274                    | 110                         | 80 - 120                      | 2009-12-16       |

**Standard (CCV-3)**

QC Batch: 66055                      Date Analyzed: 2009-12-16                      Analyzed By: kg

| Param | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|-------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| DRO   |      | mg/Kg | 250                   | 295                    | 118                         | 80 - 120                      | 2009-12-16       |

**Standard (ICV-1)**

QC Batch: 66072                      Date Analyzed: 2009-12-17                      Analyzed By: AR

| Param    | Flag | Units | ICVs<br>True<br>Conc. | ICVs<br>Found<br>Conc. | ICVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|----------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Chloride |      | mg/Kg | 100                   | 99.6                   | 100                         | 85 - 115                      | 2009-12-17       |

**Standard (CCV-1)**

QC Batch: 66072                      Date Analyzed: 2009-12-17                      Analyzed By: AR

| Param    | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|----------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Chloride |      | mg/Kg | 100                   | 100                    | 100                         | 85 - 115                      | 2009-12-17       |

**Standard (CCV-1)**

QC Batch: 66187                      Date Analyzed: 2009-12-21                      Analyzed By: AG

| Param        | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Benzene      |      | mg/Kg | 0.100                 | 0.0909                 | 91                          | 80 - 120                      | 2009-12-21       |
| Toluene      |      | mg/Kg | 0.100                 | 0.0947                 | 95                          | 80 - 120                      | 2009-12-21       |
| Ethylbenzene |      | mg/Kg | 0.100                 | 0.0951                 | 95                          | 80 - 120                      | 2009-12-21       |
| Xylene       |      | mg/Kg | 0.300                 | 0.284                  | 95                          | 80 - 120                      | 2009-12-21       |

**Standard (CCV-2)**

QC Batch: 66187

Date Analyzed: 2009-12-21

Analyzed By: AG

| Param        | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Benzene      |      | mg/Kg | 0.100                 | 0.0828                 | 83                          | 80 - 120                      | 2009-12-21       |
| Toluene      |      | mg/Kg | 0.100                 | 0.0865                 | 86                          | 80 - 120                      | 2009-12-21       |
| Ethylbenzene |      | mg/Kg | 0.100                 | 0.0859                 | 86                          | 80 - 120                      | 2009-12-21       |
| Xylene       |      | mg/Kg | 0.300                 | 0.256                  | 85                          | 80 - 120                      | 2009-12-21       |

**Standard (CCV-1)**

QC Batch: 66188

Date Analyzed: 2009-12-21

Analyzed By: AG

| Param | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|-------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| GRO   |      | mg/Kg | 1.00                  | 0.965                  | 96                          | 80 - 120                      | 2009-12-21       |

**Standard (CCV-2)**

QC Batch: 66188

Date Analyzed: 2009-12-21

Analyzed By: AG

| Param | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|-------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| GRO   |      | mg/Kg | 1.00                  | 0.899                  | 90                          | 80 - 120                      | 2009-12-21       |

## TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9  
Lubbock, Texas 79424  
Tel (806) 794-1296  
Fax (806) 794-1298  
1 (800) 378-12965002 Basin Street, Suite A1  
Midland, Texas 79703  
Tel (432) 689-6301  
Fax (432) 689-6313200 East Sunset Rd., Suite E  
El Paso, Texas 79922  
Tel (915) 585-3443  
Fax (915) 585-4944  
1 (888) 588-3443BioAquatic Testing  
2501 Mayes Rd., Ste 100  
Carrollton, Texas 75006  
Tel (972) 242-7750

|                                                                                            |                                         |
|--------------------------------------------------------------------------------------------|-----------------------------------------|
| Company Name:<br><b>Talon/LPE</b>                                                          | Phone #:<br><b>(432) 230-7673</b>       |
| Address:<br>(Street, City, Zip)<br><b>104 W. Hermosa Dr.</b>                               | Fax #:<br><b>(575) 746-8905</b>         |
| Contact Person:<br><b>Kyle Summers</b>                                                     | E-mail:<br><b>Ksummers@talonlpe.com</b> |
| Invoice to:<br>(If different from above) <b>Fasken Oil + Ranch LTD Attn: Jimmy Carlile</b> |                                         |
| Project #:<br><b>701014.013.01</b>                                                         | Project Name:<br><b>Denton SWD #5</b>   |
| Project Location (including state):<br><b>Lea, NM</b>                                      | Sampler Signature:<br><b>Tom Dewey</b>  |

ANALYSIS REQUEST  
(Circle or Specify Method No.)

| LAB #<br>(LAB USE ONLY) | FIELD CODE | # CONTAINERS | Volume / Amount | MATRIX |      |     |        | PRESERVATIVE METHOD |      |       |      | SAMPLING |      | DATE     | TIME | MTBE 8021 / 602 / 8260 / 624 | BTX 8021 / 602 / 8260 / 624 | TPH 418.1 / TX1005 / TX1005 Ext(C35) | TPH 8015 GRO / DRO / TVHC | PAH 8270 / 625 | Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7 | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | TCLP Pesticides | RCI | GC/MS Vol. 8260 / 624 | GC/MS Semi. Vol. 8270 / 625 | PCB's 8082 / 608 | Pesticides 8081 / 608 | BOD, TSS, pH | Moisture Content | Cl, F, S04, NO3, NO2, Alkalinity | Na, Ca, Mg, K, TDS, EC | Chlorides Total | Turn Around Time if different from standard | Hold |
|-------------------------|------------|--------------|-----------------|--------|------|-----|--------|---------------------|------|-------|------|----------|------|----------|------|------------------------------|-----------------------------|--------------------------------------|---------------------------|----------------|-------------------------------------------------|-------------------------------------|----------------|---------------------|-----------------|-----|-----------------------|-----------------------------|------------------|-----------------------|--------------|------------------|----------------------------------|------------------------|-----------------|---------------------------------------------|------|
|                         |            |              |                 | WATER  | SOIL | AIR | SLUDGE | HCl                 | HNO3 | H2SO4 | NaOH | ICE      | NONE |          |      |                              |                             |                                      |                           |                |                                                 |                                     |                |                     |                 |     |                       |                             |                  |                       |              |                  |                                  |                        |                 |                                             |      |
| 27390                   | Backfill 1 | 1            | 4oz             | X      |      |     |        |                     |      |       |      | X        |      | 12-10-09 | 1030 | X                            | X                           |                                      |                           |                |                                                 |                                     |                |                     |                 |     |                       |                             |                  |                       |              |                  |                                  |                        |                 |                                             |      |
| 391                     | Backfill 2 | 1            | 4oz             |        |      |     |        |                     |      |       |      |          |      | 12-10-09 | 1031 |                              |                             |                                      |                           |                |                                                 |                                     |                |                     |                 |     |                       |                             |                  |                       |              |                  |                                  |                        |                 |                                             |      |
| 392                     | Backfill 3 | 1            | 4oz             |        |      |     |        |                     |      |       |      |          |      | 12-10-09 | 1032 |                              |                             |                                      |                           |                |                                                 |                                     |                |                     |                 |     |                       |                             |                  |                       |              |                  |                                  |                        |                 |                                             |      |
| 393                     | Backfill 4 | 1            | 4oz             |        |      |     |        |                     |      |       |      |          |      | 12-10-09 | 1033 |                              |                             |                                      |                           |                |                                                 |                                     |                |                     |                 |     |                       |                             |                  |                       |              |                  |                                  |                        |                 |                                             |      |
| 394                     | Backfill 5 | 1            | 4oz             |        |      |     |        |                     |      |       |      |          |      | 12-10-09 | 1034 |                              |                             |                                      |                           |                |                                                 |                                     |                |                     |                 |     |                       |                             |                  |                       |              |                  |                                  |                        |                 |                                             |      |
| NFS 12-10-09            |            |              |                 |        |      |     |        |                     |      |       |      |          |      |          |      |                              |                             |                                      |                           |                |                                                 |                                     |                |                     |                 |     |                       |                             |                  |                       |              |                  |                                  |                        |                 |                                             |      |

|                                        |                              |                          |                       |                                    |                              |                          |                       |                    |
|----------------------------------------|------------------------------|--------------------------|-----------------------|------------------------------------|------------------------------|--------------------------|-----------------------|--------------------|
| Relinquished by:<br><b>Tom Dewey</b>   | Company:<br><b>Talon/LPE</b> | Date:<br><b>12-14-09</b> | Time:<br><b>11:52</b> | Received by:<br><b>Simon Hodge</b> | Company:<br><b>Talon/LPE</b> | Date:<br><b>12-14-09</b> | Time:<br><b>11:52</b> | INST<br>OBS<br>COR |
| Relinquished by:<br><b>Simon Hodge</b> | Company:<br><b>Talon/LPE</b> | Date:<br><b>12-14-09</b> | Time:<br><b>1525</b>  | Received by:<br><b>Simon Hodge</b> | Company:<br><b>Talon/LPE</b> | Date:<br><b>12-14-09</b> | Time:<br><b>1525</b>  | INST<br>OBS<br>COR |
| Relinquished by:<br><b>Simon Hodge</b> | Company:<br><b>Talon/LPE</b> | Date:<br><b>12-15-09</b> | Time:<br><b>0800</b>  | Received by:<br><b>Simon Hodge</b> | Company:<br><b>TRACE</b>     | Date:<br><b>12-16-09</b> | Time:<br><b>08:30</b> | INST<br>OBS<br>COR |

## LAB USE ONLY

Intact ☒ Y / N  
Headspace ☒ Y / N / NA

Log-in/Review

## REMARKS:

Midland-Brex, DRO, GRO  
Chlorides

- ☐ Dry Weight Basis Required  
☐ TRRP Report Required  
☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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