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Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
 LELAP-02003 LELAP-02002
 Kansas E-10317

Analytical and Quality Control Report

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Report Date: May 6, 2009

Work Order: 9041017



Project Name: HELSTF Diesel Spill Groundwater

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 |
|--------|-----------------------|--------|------------|------------|---------------|
| 192753 | HLSF-0154-RB-001-0409 | water | 2009-04-08 | 11:30 | 2009-04-08 |

Comment(s)

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 77 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

Standard Flags

- U** - Not detected. The analyte is not detected above the SDL.
- J** - Estimated. The analyte is positively identified and the value is approximated between the SDL and MQL.
- B** - The sample contains less than ten times the concentration found in the method blank.
- JB** - The analyte is positively identified and the value is approximated between the SDL and MQL.
The sample contains less than ten times the concentration found in the method blank.
The result should be considered non-detect to the SDL.



Dr. Blair Leftwich, Director

Case Narrative

Samples for project HELSTF Diesel Spill Groundwater were received by TraceAnalysis, Inc. on 2009-04-08 and assigned to work order 9041017. Samples for work order 9041017 were received intact without headspace and at a temperature of 13.0 deg. C.

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

| Test | Method | Prep Batch | Prep Date | QC Batch | Analysis Date |
|---------------------------------|-------------------------|----------------|--|----------------|--|
| Ag, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Alkalinity | SM 2320B | 50158 | 2009-04-09 at 11:00 | 58761 | 2009-04-20 at 19:18 |
| Al, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Ammonia | SM 4500-NH3 B,C | 49934 | 2009-04-10 at 14:00 | 58472 | 2009-04-10 at 15:00 |
| As, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Ba, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Be, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Bromide (IC) | E 300.0 | 50322 | 2009-04-16 at 19:38 | 58950 | 2009-04-16 at 19:38 |
| Ca, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58584 | 2009-04-15 at 12:14 |
| Cd, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Chloride (IC) | E 300.0 | 50322 | 2009-04-16 at 19:38 | 58950 | 2009-04-16 at 19:38 |
| Chromium, Hexavalent | SM 3500-Cr B | 50087 | 2009-04-09 at 09:50 | 58671 | 2009-04-09 at 09:50 |
| Co, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Cr, Dissolved | S 6010B | 49936 | 2009-04-13 at 10:09 | 58537 | 2009-04-14 at 13:47 |
| Cr, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Cu, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Explosives (8330) | S 8330-C18 | 50476 | 2009-04-14 at 15:00 | 59150 | 2009-04-27 at 19:54 |
| Fe, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Fluoride (IC) | E 300.0 | 50322 | 2009-04-16 at 19:38 | 58950 | 2009-04-16 at 19:38 |
| Hg, Total | S 7470A | 49940 | 2009-04-13 at 13:18 | 58500 | 2009-04-13 at 16:08 |
| K, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58584 | 2009-04-15 at 12:14 |
| Mg, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58584 | 2009-04-15 at 12:14 |
| Mn, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Mo, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Na, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58584 | 2009-04-15 at 12:14 |
| Ni, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Nitrate and Nitrite as N O/G | SM 4500-NO3 E E 1664 | 50167 49948 | 2009-04-17 at 14:00 2009-04-12 at 21:00 | 58776 58499 | 2009-04-17 at 17:00 2009-04-13 at 15:00 |
| Pb, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| pH | SM 4500-H+ | 49957 | 2009-04-09 at 10:00 | 58512 | 2009-04-09 at 10:00 |
| P, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Sb, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Semivolatiles | S 8270C | 50042 | 2009-04-13 at 15:00 | 58615 | 2009-04-16 at 09:44 |
| Se, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| SO4 (IC) | E 300.0 | 50322 | 2009-04-16 at 19:38 | 58950 | 2009-04-16 at 19:38 |
| TDS | SM 2540C | 50066 | 2009-04-11 at 23:20 | 58648 | 2009-04-16 at 18:14 |
| TKN | E 351.3 | 49935 | 2009-04-10 at 14:00 | 58473 | 2009-04-10 at 17:30 |
| Tl, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| TOC | SM 5310C | 50124 | 2009-04-20 at 09:50 | 58713 | 2009-04-20 at 09:50 |
| Total Cyanide | SM 4500-CN C,E | 50014 | 2009-04-14 at 11:00 | 58582 | 2009-04-14 at 14:30 |
| TPH DRO | Mod. 8015B | 49924 | 2009-04-10 at 15:00 | 58465 | 2009-04-11 at 17:00 |

| Test | Method | Prep Batch | Prep Date | QC Batch | Analysis Date |
|-----------|---------|---------------|---------------------|-------------|---------------------|
| TPH GRO | S 8015B | 49911 | 2009-04-10 at 15:39 | 58445 | 2009-04-10 at 15:39 |
| V, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |
| Zn, Total | S 6010B | 49933 | 2009-04-13 at 09:40 | 58487 | 2009-04-13 at 12:09 |

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 9041017 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: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Ag, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|--------------|------|------------------------|------------------------|---------------------------|-------|----------|---------|---------------------|---------------------|
| Total Silver | U | <0.00111 | <0.00500 | <0.00111 | mg/L | 1 | 0.00111 | 0.005 | 0.00111 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Al, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|----------------|------|------------------------|------------------------|---------------------------|-------|----------|---------|---------------------|---------------------|
| Total Aluminum | U | <0.00301 | <0.0500 | <0.00301 | mg/L | 1 | 0.00301 | 0.05 | 0.00301 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: El Paso
 Analysis: Alkalinity Analytical Method: SM 2320B Prep Method: N/A
 QC Batch: 58761 Date Analyzed: 2009-04-20 Analyzed By: JG
 Prep Batch: 50158 Sample Preparation: 2009-04-09 Prepared By: JR

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|------------------------|------|------------------------|------------------------|---------------------------|---------------|----------|------|---------------------|---------------------|
| Hydroxide Alkalinity | U | <1.00 | <1.00 | <1.00 | mg/L as CaCo3 | 1 | 1.00 | 1 | 1 |
| Carbonate Alkalinity | U | <1.00 | <1.00 | <1.00 | mg/L as CaCo3 | 1 | 1.00 | 1 | 1 |
| Bicarbonate Alkalinity | U | <4.00 | <4.00 | <4.00 | mg/L as CaCo3 | 1 | 4.00 | 4 | 4 |
| Total Alkalinity | U | <4.00 | <4.00 | <4.00 | mg/L as CaCo3 | 1 | 4.00 | 4 | 4 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Ammonia Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 58472 Date Analyzed: 2009-04-10 Analyzed By: AH
 Prep Batch: 49934 Sample Preparation: Prepared By: AH

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|-----------|------|------------------------|------------------------|---------------------------|-------|----------|-------|---------------------|---------------------|
| Ammonia-N | J | 0.784 | <1.00 | <0.353 | mg/L | 1 | 0.353 | 1 | 0.353 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: As, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|---------------|------|------------------------|------------------------|---------------------------|-------|----------|---------|---------------------|---------------------|
| Total Arsenic | U | <0.00448 | <0.0100 | <0.00448 | mg/L | 1 | 0.00448 | 0.01 | 0.00448 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Ba, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|--------------|------|------------------------|------------------------|---------------------------|-------|----------|---------|---------------------|---------------------|
| Total Barium | U | <0.00105 | <0.00500 | <0.00105 | mg/L | 1 | 0.00105 | 0.005 | 0.00105 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Be, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|-----------------|------|------------------------|------------------------|---------------------------|-------|----------|----------|---------------------|---------------------|
| Total Beryllium | U | <0.000450 | <0.00200 | <0.000450 | mg/L | 1 | 0.000450 | 0.002 | 0.00045 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: El Paso
 Analysis: Bromide (IC) Analytical Method: E 300.0 Prep Method: N/A

QC Batch: 58950 Date Analyzed: 2009-04-16 Analyzed By: JR
Prep Batch: 50322 Sample Preparation: 2009-04-16 Prepared By: JR

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|-----------|------|------------------------|------------------------|---------------------------|-------|----------|--------|---------------------|---------------------|
| Bromide | U | <0.0394 | <0.270 | <0.0394 | mg/L | 1 | 0.0394 | 0.27 | 0.0394 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
Analysis: Ca, Total Analytical Method: S 6010B Prep Method: S 3010A
QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|---------------|------|------------------------|------------------------|---------------------------|-------|----------|-------|---------------------|---------------------|
| Total Calcium | J | 0.180 | <1.00 | <0.117 | mg/L | 1 | 0.117 | 1 | 0.117 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
Analysis: Cd, Total Analytical Method: S 6010B Prep Method: S 3010A
QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|---------------|------|------------------------|------------------------|---------------------------|-------|----------|----------|---------------------|---------------------|
| Total Cadmium | U | <0.000303 | <0.00200 | <0.000303 | mg/L | 1 | 0.000303 | 0.002 | 0.000303 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 58950 Date Analyzed: 2009-04-16 Analyzed By: JR
Prep Batch: 50322 Sample Preparation: 2009-04-16 Prepared By: JR

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|-----------|------|------------------------|------------------------|---------------------------|-------|----------|-------|---------------------|---------------------|
| Chloride | | 3.85 | 3.85 | <0.640 | mg/L | 1 | 0.640 | 1.22 | 0.6404 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: El Paso
 Analysis: Chromium, Hexavalent Analytical Method: SM 3500-Cr B Prep Method: N/A
 QC Batch: 58671 Date Analyzed: 2009-04-09 Analyzed By: MD
 Prep Batch: 50087 Sample Preparation: 2009-04-09 Prepared By: JR

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | SQL (Unadjusted) | MDL (Unadjusted) |
|---------------------|------|------------------------|------------------------|---------------------------|-------|----------|---------|---------------------|---------------------|
| Hexavalent Chromium | U | <0.00594 | <0.0125 | <0.00594 | mg/L | 1 | 0.00594 | 0.0125 | 0.00594 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Co, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | SQL (Unadjusted) | MDL (Unadjusted) |
|--------------|------|------------------------|------------------------|---------------------------|-------|----------|----------|---------------------|---------------------|
| Total Cobalt | U | <0.000822 | <0.00200 | <0.000822 | mg/L | 1 | 0.000822 | 0.002 | 0.000822 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Cr, Dissolved Analytical Method: S 6010B Prep Method: S 3005A
 QC Batch: 58537 Date Analyzed: 2009-04-14 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | SQL (Unadjusted) | MDL (Unadjusted) |
|--------------------|------|------------------------|------------------------|---------------------------|-------|----------|----------|---------------------|---------------------|
| Dissolved Chromium | U | <0.000583 | <0.00100 | <0.000583 | mg/L | 1 | 0.000583 | 0.001 | 0.000583 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Cr, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | SQL (Unadjusted) | MDL (Unadjusted) |
|----------------|------|------------------------|------------------------|---------------------------|-------|----------|----------|---------------------|---------------------|
| Total Chromium | U | <0.000583 | <0.00500 | <0.000583 | mg/L | 1 | 0.000583 | 0.005 | 0.000583 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Cu, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | SQL (Unadjusted) | MDL (Unadjusted) |
|--------------|------|------------------------|------------------------|---------------------------|-------|----------|----------|---------------------|---------------------|
| Total Copper | | 0.0120 | 0.0120 | <0.000843 | mg/L | 1 | 0.000843 | 0.005 | 0.000843 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Explosives (8330) Analytical Method: S 8330-C18 Prep Method: S 3535A
 QC Batch: 59150 Date Analyzed: 2009-04-27 Analyzed By: DS
 Prep Batch: 50476 Sample Preparation: 2009-04-14 Prepared By: DS

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | SQL (Unadjusted) | MDL (Unadjusted) |
|-----------------------|------|------------------------|------------------------|---------------------------|-------|----------|-------|---------------------|---------------------|
| HMX | U | <0.123 | <0.500 | <0.123 | µg/L | 1 | 0.123 | 0.5 | 0.123 |
| RDX | U | <0.298 | <0.500 | <0.298 | µg/L | 1 | 0.298 | 0.5 | 0.298 |
| 1,3,5-Trinitrobenzene | U | <0.339 | <0.500 | <0.339 | µg/L | 1 | 0.339 | 0.5 | 0.339 |
| 1,3-Dinitrobenzene | U | <0.389 | <0.500 | <0.389 | µg/L | 1 | 0.389 | 0.5 | 0.389 |
| Nitrobenzene | U | <0.379 | <0.500 | <0.379 | µg/L | 1 | 0.379 | 0.5 | 0.379 |
| Tetryl | U | <0.413 | <0.500 | <0.413 | µg/L | 1 | 0.413 | 0.5 | 0.413 |
| TNT | U | <0.464 | <0.500 | <0.464 | µg/L | 1 | 0.464 | 0.5 | 0.464 |
| 4-Amino-DNT | U | <0.319 | <0.500 | <0.319 | µg/L | 1 | 0.319 | 0.5 | 0.319 |
| 2-Amino-DNT | U | <0.391 | <0.500 | <0.391 | µg/L | 1 | 0.391 | 0.5 | 0.391 |
| 2,6-DNT | U | <0.323 | <0.500 | <0.323 | µg/L | 1 | 0.323 | 0.5 | 0.323 |
| 2,4-DNT | U | <0.366 | <0.500 | <0.366 | µg/L | 1 | 0.366 | 0.5 | 0.366 |
| 2-NT | U | <0.379 | <0.500 | <0.379 | µg/L | 1 | 0.379 | 0.5 | 0.379 |
| 4-NT | U | <0.398 | <0.500 | <0.398 | µg/L | 1 | 0.398 | 0.5 | 0.398 |
| 3-NT | U | <0.346 | <0.500 | <0.346 | µg/L | 1 | 0.346 | 0.5 | 0.346 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|--------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| 1,2-Dinitrobenzene | | 1.38 | µg/L | 1 | 2.50 | 55 | 19.8 - 160 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Fe, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | SQL (Unadjusted) | MDL (Unadjusted) |
|------------|------|------------------------|------------------------|---------------------------|-------|----------|----------|---------------------|---------------------|
| Total Iron | | 0.0230 | 0.0230 | <0.000872 | mg/L | 1 | 0.000872 | 0.01 | 0.000872 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: El Paso
 Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 58950 Date Analyzed: 2009-04-16 Analyzed By: JR
 Prep Batch: 50322 Sample Preparation: 2009-04-16 Prepared By: JR

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | SQL (Unadjusted) | MDL (Unadjusted) |
|-----------|------|------------------------|------------------------|---------------------------|-------|----------|--------|---------------------|---------------------|
| Fluoride | | 0.330 | 0.330 | <0.0434 | mg/L | 1 | 0.0434 | 0.17 | 0.0434 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Hg, Total Analytical Method: S 7470A Prep Method: N/A
 QC Batch: 58500 Date Analyzed: 2009-04-13 Analyzed By: TP
 Prep Batch: 49940 Sample Preparation: 2009-04-13 Prepared By: TP

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | SQL (Unadjusted) | MDL (Unadjusted) |
|---------------|------|------------------------|------------------------|---------------------------|-------|----------|-----------|---------------------|---------------------|
| Total Mercury | U | <0.0000329 | <0.000200 | <0.0000329 | mg/L | 1 | 0.0000329 | 0.0002 | 3.29e-05 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: K, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | SQL (Unadjusted) | MDL (Unadjusted) |
|-----------------|------|------------------------|------------------------|---------------------------|-------|----------|-------|---------------------|---------------------|
| Total Potassium | J | 0.330 | <1.00 | <0.172 | mg/L | 1 | 0.172 | 1 | 0.172 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Mg, Total Analytical Method: S 6010B Prep Method: S 3010A

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|-----------------|------|------------------------|------------------------|---------------------------|-------|----------|-------|---------------------|---------------------|
| Total Magnesium | J | 0.170 | <1.00 | <0.160 | mg/L | 1 | 0.160 | 1 | 0.16 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
Analysis: Mn, Total Analytical Method: S 6010B Prep Method: S 3010A
QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|-----------------|------|------------------------|------------------------|---------------------------|-------|----------|----------|---------------------|---------------------|
| Total Manganese | U | <0.000305 | <0.00250 | <0.000305 | mg/L | 1 | 0.000305 | 0.0025 | 0.000305 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
Analysis: Mo, Total Analytical Method: S 6010B Prep Method: S 3010A
QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|------------------|------|------------------------|------------------------|---------------------------|-------|----------|---------|---------------------|---------------------|
| Total Molybdenum | U | <0.00119 | <0.0100 | <0.00119 | mg/L | 1 | 0.00119 | 0.01 | 0.00119 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
Analysis: Na, Total Analytical Method: S 6010B Prep Method: S 3010A
QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|--------------|------|------------------------|------------------------|---------------------------|-------|----------|--------|---------------------|---------------------|
| Total Sodium | | 2.75 | 2.75 | <0.0500 | mg/L | 1 | 0.0500 | 1 | 0.05 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Ni, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | SQL (Unadjusted) | MDL (Unadjusted) |
|--------------|------|------------------------|------------------------|---------------------------|-------|----------|---------|---------------------|---------------------|
| Total Nickel | U | <0.00121 | <0.00500 | <0.00121 | mg/L | 1 | 0.00121 | 0.005 | 0.00121 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
 QC Batch: 58776 Date Analyzed: 2009-04-17 Analyzed By: KV
 Prep Batch: 50167 Sample Preparation: 2009-04-17 Prepared By: KV

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | SQL (Unadjusted) | MDL (Unadjusted) |
|--------------------------|------|------------------------|------------------------|---------------------------|-------|----------|--------|---------------------|---------------------|
| Nitrate and Nitrite as N | | 0.293 | 0.293 | <0.0700 | mg/L | 2 | 0.0700 | 0.1 | 0.035 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: O/G Analytical Method: E 1664 Prep Method: N/A
 QC Batch: 58499 Date Analyzed: 2009-04-13 Analyzed By: AH
 Prep Batch: 49948 Sample Preparation: Prepared By: AH

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | SQL (Unadjusted) | MDL (Unadjusted) |
|----------------|------|------------------------|------------------------|---------------------------|-------|----------|------|---------------------|---------------------|
| Oil and Grease | U | <3.46 | <5.00 | <3.46 | mg/L | 1 | 3.46 | 5 | 3.459 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: P, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | SQL (Unadjusted) | MDL (Unadjusted) |
|-------------------|------|------------------------|------------------------|---------------------------|-------|----------|---------|---------------------|---------------------|
| Total Phosphorous | U | <0.00289 | <0.0250 | <0.00289 | mg/L | 1 | 0.00289 | 0.025 | 0.00289 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Pb, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|------------|------|------------------|------------------|---------------------|-------|----------|---------|------------------|------------------|
| Total Lead | U | <0.00326 | <0.00500 | <0.00326 | mg/L | 1 | 0.00326 | 0.005 | 0.00326 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: El Paso
 Analysis: pH Analytical Method: SM 4500-H+ Prep Method: N/A
 QC Batch: 58512 Date Analyzed: 2009-04-09 Analyzed By: MD
 Prep Batch: 49957 Sample Preparation: 2009-04-09 Prepared By: MD

| Parameter | Flag | RL Result | Units | Dilution | RL |
|-----------|------|-----------|-------|----------|----|
| pH | | 5.36 | s.u. | 1 | |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Sb, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|----------------|------|------------------|------------------|---------------------|-------|----------|---------|------------------|------------------|
| Total Antimony | U | <0.00440 | <0.0200 | <0.00440 | mg/L | 1 | 0.00440 | 0.02 | 0.0044 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Se, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|----------------|------|------------------|------------------|---------------------|-------|----------|---------|------------------|------------------|
| Total Selenium | U | <0.00508 | <0.0200 | <0.00508 | mg/L | 1 | 0.00508 | 0.02 | 0.00508 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock

Analysis: Semivolatiles

QC Batch: 58615

Prep Batch: 50042

Analytical Method: S 8270C

Date Analyzed: 2009-04-16

Sample Preparation: 2009-04-13

Prep Method: S 3510C

Analyzed By: MN

Prepared By: MN

| Parameter | Flag | SDL | MQL | Method | Units | Dilution | SDL | MQL | MDL |
|---------------------------------|------|-----------------|-----------------|-----------------|-------|----------|--------------|--------------|-----|
| | | Based Result | Based Result | Blank Result | | | (Unadjusted) | (Unadjusted) | |
| Pyridine | U | <0.00130 | <0.00508 | <0.00130 mg/L | 1.015 | 0.00130 | 0.005 | 0.001281 | |
| N-Nitrosodimethylamine | U | <0.00195 | <0.00508 | <0.00195 mg/L | 1.015 | 0.00195 | 0.005 | 0.001918 | |
| 2-Picoline | U | <0.00134 | <0.00508 | <0.00134 mg/L | 1.015 | 0.00134 | 0.005 | 0.001321 | |
| Methyl methanesulfonate | U | <0.00177 | <0.00508 | <0.00177 mg/L | 1.015 | 0.00177 | 0.005 | 0.001747 | |
| Ethyl methanesulfonate | U | <0.00124 | <0.00508 | <0.00124 mg/L | 1.015 | 0.00124 | 0.005 | 0.001218 | |
| Phenol | U | <0.00167 | <0.00508 | <0.00167 mg/L | 1.015 | 0.00167 | 0.005 | 0.001649 | |
| Aniline | U | <0.00140 | <0.00508 | <0.00140 mg/L | 1.015 | 0.00140 | 0.005 | 0.001378 | |
| bis(2-chloroethyl)ether | U | <0.00220 | <0.00508 | <0.00220 mg/L | 1.015 | 0.00220 | 0.005 | 0.002172 | |
| 2-Chlorophenol | U | <0.00152 | <0.00508 | <0.00152 mg/L | 1.015 | 0.00152 | 0.005 | 0.001498 | |
| 1,3-Dichlorobenzene (meta) | U | <0.00169 | <0.00508 | <0.00169 mg/L | 1.015 | 0.00169 | 0.005 | 0.001663 | |
| 1,4-Dichlorobenzene (para) | U | <0.00158 | <0.00508 | <0.00158 mg/L | 1.015 | 0.00158 | 0.005 | 0.001562 | |
| Benzyl alcohol | U | <0.00102 | <0.00508 | <0.00102 mg/L | 1.015 | 0.00102 | 0.005 | 0.001005 | |
| 1,2-Dichlorobenzene (ortho) | U | <0.00166 | <0.00508 | <0.00166 mg/L | 1.015 | 0.00166 | 0.005 | 0.00164 | |
| 2-Methylphenol | U | <0.00160 | <0.00508 | <0.00160 mg/L | 1.015 | 0.00160 | 0.005 | 0.001581 | |
| bis(2-chloroisopropyl)ether | U | <0.000840 | <0.00508 | <0.000840 mg/L | 1.015 | 0.000840 | 0.005 | 0.000828 | |
| 4-Methylphenol / 3-Methylphenol | U | <0.00126 | <0.00508 | <0.00126 mg/L | 1.015 | 0.00126 | 0.005 | 0.001245 | |
| N-Nitrosodi-n-propylamine | U | <0.00129 | <0.00508 | <0.00129 mg/L | 1.015 | 0.00129 | 0.005 | 0.00127 | |
| Hexachloroethane | U | <0.00201 | <0.00508 | <0.00201 mg/L | 1.015 | 0.00201 | 0.005 | 0.001981 | |
| Acetophenone | U | <0.00129 | <0.00508 | <0.00129 mg/L | 1.015 | 0.00129 | 0.005 | 0.001273 | |
| Nitrobenzene | U | <0.00196 | <0.00508 | <0.00196 mg/L | 1.015 | 0.00196 | 0.005 | 0.001928 | |
| N-Nitrosopiperidine | U | <0.00122 | <0.00508 | <0.00122 mg/L | 1.015 | 0.00122 | 0.005 | 0.001205 | |
| Isophorone | U | <0.00197 | <0.00508 | <0.00197 mg/L | 1.015 | 0.00197 | 0.005 | 0.001943 | |
| 2-Nitrophenol | U | <0.00142 | <0.00508 | <0.00142 mg/L | 1.015 | 0.00142 | 0.005 | 0.0014 | |
| 2,4-Dimethylphenol | U | <0.00111 | <0.00508 | <0.00111 mg/L | 1.015 | 0.00111 | 0.005 | 0.001092 | |
| bis(2-chloroethoxy)methane | U | <0.00126 | <0.00508 | <0.00126 mg/L | 1.015 | 0.00126 | 0.005 | 0.001242 | |
| 2,4-Dichlorophenol | U | <0.00136 | <0.00508 | <0.00136 mg/L | 1.015 | 0.00136 | 0.005 | 0.001338 | |
| 1,2,4-Trichlorobenzene | U | <0.00196 | <0.00508 | <0.00196 mg/L | 1.015 | 0.00196 | 0.005 | 0.001934 | |
| Benzoic acid | U | <0.00309 | <0.00508 | <0.00309 mg/L | 1.015 | 0.00309 | 0.005 | 0.003042 | |
| Naphthalene | U | <0.00167 | <0.00508 | <0.00167 mg/L | 1.015 | 0.00167 | 0.005 | 0.00165 | |
| a,a-Dimethylphenethylamine | U | <0.000769 | <0.00508 | <0.000769 mg/L | 1.015 | 0.000769 | 0.005 | 0.000758 | |
| 4-Chloroaniline | U | <0.00117 | <0.00508 | <0.00117 mg/L | 1.015 | 0.00117 | 0.005 | 0.001152 | |
| 2,6-Dichlorophenol | U | <0.00122 | <0.0102 | <0.00122 mg/L | 1.015 | 0.00122 | 0.01 | 0.001198 | |
| Hexachlorobutadiene | U | <0.00186 | <0.00508 | <0.00186 mg/L | 1.015 | 0.00186 | 0.005 | 0.001838 | |
| N-Nitroso-di-n-butylamine | U | <0.00171 | <0.00508 | <0.00171 mg/L | 1.015 | 0.00171 | 0.005 | 0.001687 | |
| 4-Chloro-3-methylphenol | U | <0.00122 | <0.00508 | <0.00122 mg/L | 1.015 | 0.00122 | 0.005 | 0.001199 | |
| 2-Methylnaphthalene | U | <0.00147 | <0.00508 | <0.00147 mg/L | 1.015 | 0.00147 | 0.005 | 0.001451 | |
| 1-Methylnaphthalene | U | <0.00157 | <0.00508 | <0.00157 mg/L | 1.015 | 0.00157 | 0.005 | 0.00155 | |
| 1,2,4,5-Tetrachlorobenzene | U | <0.00208 | <0.00508 | <0.00208 mg/L | 1.015 | 0.00208 | 0.005 | 0.00205 | |
| Hexachlorocyclopentadiene | U | <0.00391 | <0.00508 | <0.00391 mg/L | 1.015 | 0.00391 | 0.005 | 0.00385 | |
| 2,4,6-Trichlorophenol | U | <0.00154 | <0.0102 | <0.00154 mg/L | 1.015 | 0.00154 | 0.01 | 0.001523 | |

continued . . .

sample 192753 continued . . .

| Parameter | Flag | SDL | SQL | Method | Units | Dilution | SDL | SQL | MDL |
|----------------------------|------|-----------------|-----------------|-----------------|-------|----------|--------------|--------------|----------|
| | | Based Result | Based Result | Blank Result | | | (Unadjusted) | (Unadjusted) | |
| 2,4,5-Trichlorophenol | U | <0.00325 | <0.00508 | <0.00325 | mg/L | 1.015 | 0.00325 | 0.005 | 0.003202 |
| 2-Chloronaphthalene | U | <0.00171 | <0.00508 | <0.00171 | mg/L | 1.015 | 0.00171 | 0.005 | 0.001683 |
| 1-Chloronaphthalene | U | <0.00184 | <0.00508 | <0.00184 | mg/L | 1.015 | 0.00184 | 0.005 | 0.001808 |
| 2-Nitroaniline | U | <0.00172 | <0.00508 | <0.00172 | mg/L | 1.015 | 0.00172 | 0.005 | 0.00169 |
| Dimethylphthalate | U | <0.00181 | <0.00508 | <0.00181 | mg/L | 1.015 | 0.00181 | 0.005 | 0.001784 |
| Acenaphthylene | U | <0.00138 | <0.00508 | <0.00138 | mg/L | 1.015 | 0.00138 | 0.005 | 0.001356 |
| 2,6-Dinitrotoluene | U | <0.00141 | <0.00508 | <0.00141 | mg/L | 1.015 | 0.00141 | 0.005 | 0.001392 |
| 3-Nitroaniline | U | <0.00125 | <0.00508 | <0.00125 | mg/L | 1.015 | 0.00125 | 0.005 | 0.001236 |
| Acenaphthene | U | <0.00134 | <0.00508 | <0.00134 | mg/L | 1.015 | 0.00134 | 0.005 | 0.00132 |
| 2,4-Dinitrophenol | U | <0.00397 | <0.00508 | <0.00397 | mg/L | 1.015 | 0.00397 | 0.005 | 0.003916 |
| Dibenzofuran | U | <0.00164 | <0.00508 | <0.00164 | mg/L | 1.015 | 0.00164 | 0.005 | 0.001613 |
| Pentachlorobenzene | U | <0.00246 | <0.00508 | <0.00246 | mg/L | 1.015 | 0.00246 | 0.005 | 0.002422 |
| 4-Nitrophenol | U | <0.00129 | <0.0254 | <0.00129 | mg/L | 1.015 | 0.00129 | 0.025 | 0.001272 |
| 2,4-Dinitrotoluene | U | <0.00141 | <0.00508 | <0.00141 | mg/L | 1.015 | 0.00141 | 0.005 | 0.001388 |
| 1-Naphthylamine | U | <0.00130 | <0.00508 | <0.00130 | mg/L | 1.015 | 0.00130 | 0.005 | 0.001281 |
| 2,3,4,6-Tetrachlorophenol | U | <0.00132 | <0.0102 | <0.00132 | mg/L | 1.015 | 0.00132 | 0.01 | 0.001297 |
| 2-Naphthylamine | U | <0.00156 | <0.00508 | <0.00156 | mg/L | 1.015 | 0.00156 | 0.005 | 0.00154 |
| Fluorene | U | <0.00131 | <0.00508 | <0.00131 | mg/L | 1.015 | 0.00131 | 0.005 | 0.001295 |
| 4-Chlorophenyl-phenylether | U | <0.00175 | <0.00508 | <0.00175 | mg/L | 1.015 | 0.00175 | 0.005 | 0.001729 |
| Diethylphthalate | U | <0.00163 | <0.00508 | <0.00163 | mg/L | 1.015 | 0.00163 | 0.005 | 0.00161 |
| 4-Nitroaniline | U | <0.00102 | <0.00508 | <0.00102 | mg/L | 1.015 | 0.00102 | 0.005 | 0.001009 |
| Diphenylhydrazine | U | <0.00127 | <0.00508 | <0.00127 | mg/L | 1.015 | 0.00127 | 0.005 | 0.00125 |
| 4,6-Dinitro-2-methylphenol | U | <0.00137 | <0.00508 | <0.00137 | mg/L | 1.015 | 0.00137 | 0.005 | 0.001346 |
| Diphenylamine | U | <0.00161 | <0.00508 | <0.00161 | mg/L | 1.015 | 0.00161 | 0.005 | 0.001589 |
| 4-Bromophenyl-phenylether | U | <0.00190 | <0.00508 | <0.00190 | mg/L | 1.015 | 0.00190 | 0.005 | 0.001869 |
| Phenacetin | U | <0.00141 | <0.00508 | <0.00141 | mg/L | 1.015 | 0.00141 | 0.005 | 0.001391 |
| Hexachlorobenzene | U | <0.00241 | <0.00508 | <0.00241 | mg/L | 1.015 | 0.00241 | 0.005 | 0.002375 |
| 4-Aminobiphenyl | U | <0.00136 | <0.00508 | <0.00136 | mg/L | 1.015 | 0.00136 | 0.005 | 0.001345 |
| Pentachlorophenol | U | <0.000641 | <0.0102 | <0.000641 | mg/L | 1.015 | 0.000641 | 0.01 | 0.000632 |
| Anthracene | U | <0.00154 | <0.00508 | <0.00154 | mg/L | 1.015 | 0.00154 | 0.005 | 0.001522 |
| Pentachloronitrobenzene | U | <0.00312 | <0.00508 | <0.00312 | mg/L | 1.015 | 0.00312 | 0.005 | 0.003074 |
| Pronamide | U | <0.00161 | <0.00508 | <0.00161 | mg/L | 1.015 | 0.00161 | 0.005 | 0.001589 |
| Phenanthrene | U | <0.00146 | <0.00508 | <0.00146 | mg/L | 1.015 | 0.00146 | 0.005 | 0.001443 |
| Di-n-butylphthalate | U | <0.00127 | <0.00508 | <0.00127 | mg/L | 1.015 | 0.00127 | 0.005 | 0.001251 |
| Fluoranthene | U | <0.00161 | <0.00508 | <0.00161 | mg/L | 1.015 | 0.00161 | 0.005 | 0.001588 |
| Benzidine | U | <0.000858 | <0.0254 | <0.000858 | mg/L | 1.015 | 0.000858 | 0.025 | 0.000845 |
| Pyrene | U | <0.00137 | <0.00508 | <0.00137 | mg/L | 1.015 | 0.00137 | 0.005 | 0.00135 |
| p-Dimethylaminoazobenzene | U | <0.000984 | <0.00508 | <0.000984 | mg/L | 1.015 | 0.000984 | 0.005 | 0.000969 |
| Butylbenzylphthalate | U | <0.00111 | <0.00508 | <0.00111 | mg/L | 1.015 | 0.00111 | 0.005 | 0.001096 |
| Benzo(a)anthracene | U | <0.00140 | <0.00508 | <0.00140 | mg/L | 1.015 | 0.00140 | 0.005 | 0.001375 |
| 3,3-Dichlorobenzidine | U | <0.00132 | <0.00508 | <0.00132 | mg/L | 1.015 | 0.00132 | 0.005 | 0.0013 |
| Chrysene | U | <0.00148 | <0.00508 | <0.00148 | mg/L | 1.015 | 0.00148 | 0.005 | 0.001463 |
| bis(2-ethylhexyl)phthalate | U | <0.00109 | <0.00508 | <0.00109 | mg/L | 1.015 | 0.00109 | 0.005 | 0.001078 |
| Di-n-octylphthalate | U | <0.000905 | <0.00508 | <0.000905 | mg/L | 1.015 | 0.000905 | 0.005 | 0.000892 |
| Benzo(b)fluoranthene | U | <0.00128 | <0.00508 | <0.00128 | mg/L | 1.015 | 0.00128 | 0.005 | 0.001261 |

continued . . .

sample 192753 continued . . .

| Parameter | Flag | SDL | MQL | Method | Units | Dilution | SDL | MQL | MDL |
|--------------------------------|------|-----------------|-----------------|-----------------|-------|----------|---------|--------------|--------------|
| | | Based Result | Based Result | Blank Result | | | | (Unadjusted) | (Unadjusted) |
| Benzo(k)fluoranthene | U | <0.00151 | <0.00508 | <0.00151 mg/L | 1.015 | 1.015 | 0.00151 | 0.005 | 0.001492 |
| 7,12-Dimethylbenz(a)anthracene | U | <0.00136 | <0.00508 | <0.00136 mg/L | 1.015 | 1.015 | 0.00136 | 0.005 | 0.001344 |
| Benzo(a)pyrene | U | <0.00158 | <0.00508 | <0.00158 mg/L | 1.015 | 1.015 | 0.00158 | 0.005 | 0.001552 |
| 3-Methylcholanthrene | U | <0.00168 | <0.00508 | <0.00168 mg/L | 1.015 | 1.015 | 0.00168 | 0.005 | 0.001656 |
| Dibenzo(a,j)acridine | U | <0.00204 | <0.00508 | <0.00204 mg/L | 1.015 | 1.015 | 0.00204 | 0.005 | 0.002007 |
| Indeno(1,2,3-cd)pyrene | U | <0.00198 | <0.00508 | <0.00198 mg/L | 1.015 | 1.015 | 0.00198 | 0.005 | 0.001948 |
| Dibenzo(a,h)anthracene | U | <0.00213 | <0.00508 | <0.00213 mg/L | 1.015 | 1.015 | 0.00213 | 0.005 | 0.002096 |
| Benzo(g,h,i)perylene | U | <0.00210 | <0.00508 | <0.00210 mg/L | 1.015 | 1.015 | 0.00210 | 0.005 | 0.002066 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|----------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| 2-Fluorophenol | | 0.0248 | mg/L | 1.015 | 0.0800 | 31 | 10 - 64.2 |
| Phenol-d5 | | 0.0172 | mg/L | 1.015 | 0.0800 | 22 | 10 - 45.3 |
| Nitrobenzene-d5 | | 0.0433 | mg/L | 1.015 | 0.0800 | 54 | 23.4 - 95.9 |
| 2-Fluorobiphenyl | | 0.0438 | mg/L | 1.015 | 0.0800 | 55 | 20 - 96.4 |
| 2,4,6-Tribromophenol | | 0.0460 | mg/L | 1.015 | 0.0800 | 58 | 23.8 - 85.7 |
| Terphenyl-d14 | | 0.0652 | mg/L | 1.015 | 0.0800 | 82 | 45.8 - 115 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 58950 Date Analyzed: 2009-04-16 Analyzed By: JR
 Prep Batch: 50322 Sample Preparation: 2009-04-16 Prepared By: JR

| Parameter | Flag | SDL | MQL | Method | Units | Dilution | SDL | MQL | MDL |
|-----------|------|-----------------|-----------------|-----------------|-------|----------|-------|--------------|--------------|
| | | Based Result | Based Result | Blank Result | | | | (Unadjusted) | (Unadjusted) |
| Sulfate | | 4.34 | 4.34 | <0.504 | mg/L | 1 | 0.504 | 1.33 | 0.5038 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 58648 Date Analyzed: 2009-04-16 Analyzed By: RD
 Prep Batch: 50066 Sample Preparation: 2009-04-11 Prepared By: RD

| Parameter | Flag | SDL | MQL | Method | Units | Dilution | SDL | MQL | MDL |
|------------------------|------|-----------------|-----------------|-----------------|-------|----------|-------|--------------|--------------|
| | | Based Result | Based Result | Blank Result | | | | (Unadjusted) | (Unadjusted) |
| Total Dissolved Solids | U | <5.000 | <10.00 | <5.000 | mg/L | 1 | 5.000 | 10 | 5 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
 QC Batch: 58473 Date Analyzed: 2009-04-10 Analyzed By: AH
 Prep Batch: 49935 Sample Preparation: Prepared By: AH

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|-----------------------------|------|------------------------|------------------------|---------------------------|-------|----------|------|---------------------|---------------------|
| Total Kjeldahl Nitrogen - N | J | 3.36 | <10.0 | <2.45 | mg/L | 1 | 2.45 | 10 | 2.45 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Tl, Total Analytical Method: S 6010B Prep Method: S 3010A
 QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 Sample Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|----------------|------|------------------------|------------------------|---------------------------|-------|----------|---------|---------------------|---------------------|
| Total Thallium | U | <0.00488 | <0.0500 | <0.00488 | mg/L | 1 | 0.00488 | 0.05 | 0.00488 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: TOC Analytical Method: SM 5310C Prep Method: N/A
 QC Batch: 58713 Date Analyzed: 2009-04-20 Analyzed By: KV
 Prep Batch: 50124 Sample Preparation: 2009-04-20 Prepared By: KV

| Parameter | Flag | SDL Based Result | SQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|----------------------|------|------------------------|------------------------|---------------------------|-------|----------|-------|---------------------|---------------------|
| Total Organic Carbon | | 1.56 | 1.56 | <0.401 | mg/L | 1 | 0.401 | 1 | 0.401 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock
 Analysis: Total Cyanide Analytical Method: SM 4500-CN C,E Prep Method: N/A
 QC Batch: 58582 Date Analyzed: 2009-04-14 Analyzed By: AH
 Prep Batch: 50014 Sample Preparation: Prepared By: AH

continued . . .

sample 192753 continued . . .

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|---------------|------|------------------------|------------------------|---------------------------|-------|----------|--------|---------------------|---------------------|
| Total Cyanide | U | <0.0110 | <0.0150 | <0.0110 | mg/L | 1 | 0.0110 | 0.015 | 0.011 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock

Analysis: TPH DRO

Analytical Method: Mod. 8015B

Prep Method: N/A

QC Batch: 58465

Date Analyzed: 2009-04-11

Analyzed By: RG

Prep Batch: 49924

Sample Preparation: 2009-04-10

Prepared By: RG

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|-----------|------|------------------------|------------------------|---------------------------|-------|----------|-------|---------------------|---------------------|
| DRO | U | <0.876 | <5.00 | <0.876 | mg/L | 1 | 0.876 | 5 | 0.876 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|---------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| n-Triacontane | | 12.2 | mg/L | 1 | 10.0 | 122 | 34.4 - 185 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock

Analysis: TPH GRO

Analytical Method: S 8015B

Prep Method: S 5030B

QC Batch: 58445

Date Analyzed: 2009-04-10

Analyzed By: ER

Prep Batch: 49911

Sample Preparation: 2009-04-10

Prepared By: ER

| Parameter | Flag | SDL Based Result | MQL Based Result | Method Blank Result | Units | Dilution | SDL | MQL (Unadjusted) | MDL (Unadjusted) |
|-----------|------|------------------------|------------------------|---------------------------|-------|----------|-------|---------------------|---------------------|
| GRO | U | <0.152 | <0.200 | <0.152 | mg/L | 1 | 0.152 | 0.2 | 0.152 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT) | | 0.0988 | mg/L | 1 | 0.100 | 99 | 75.6 - 110 |
| 4-Bromofluorobenzene (4-BFB) | | 0.104 | mg/L | 1 | 0.100 | 104 | 63.6 - 117 |

Sample: 192753 - HLSF-0154-RB-001-0409

Laboratory: Lubbock

| Parameter | Flag | Result | Units | Reporting Limits |
|---------------|------|----------|-------|------------------|
| Total Arsenic | | <0.00448 | mg/L | 0.00448 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|--------------|------|----------|-------|------------------|
| Total Barium | | <0.00105 | mg/L | 0.00105 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|-----------------|------|-----------|-------|------------------|
| Total Beryllium | | <0.000450 | mg/L | 0.00045 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|---------------|------|-----------|-------|------------------|
| Total Cadmium | | <0.000303 | mg/L | 0.000303 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|--------------|------|-----------|-------|------------------|
| Total Cobalt | | <0.000822 | mg/L | 0.000822 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|----------------|------|-----------|-------|------------------|
| Total Chromium | | <0.000583 | mg/L | 0.000583 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|--------------|------|-----------|-------|------------------|
| Total Copper | | <0.000843 | mg/L | 0.000843 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|------------|------|-----------|-------|------------------|
| Total Iron | | <0.000872 | mg/L | 0.000872 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|-----------------|------|-----------|-------|------------------|
| Total Manganese | | <0.000305 | mg/L | 0.000305 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|------------------|------|----------|-------|------------------|
| Total Molybdenum | | <0.00119 | mg/L | 0.00119 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|--------------|------|----------|-------|------------------|
| Total Nickel | | <0.00121 | mg/L | 0.00121 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|-------------------|------|----------|-------|------------------|
| Total Phosphorous | | <0.00289 | mg/L | 0.00289 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|------------|------|----------|-------|------------------|
| Total Lead | | <0.00326 | mg/L | 0.00326 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|----------------|------|----------|-------|------------------|
| Total Antimony | | <0.00440 | mg/L | 0.0044 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|----------------|------|----------|-------|------------------|
| Total Selenium | | <0.00508 | mg/L | 0.00508 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|----------------|------|----------|-------|------------------|
| Total Thallium | | <0.00488 | mg/L | 0.00488 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|----------------|------|-----------|-------|------------------|
| Total Vanadium | | <0.000426 | mg/L | 0.000426 |

Method Blank (1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|------------|------|-----------|-------|------------------|
| Total Zinc | | <0.000465 | mg/L | 0.000465 |

Method Blank (1)

QC Batch: 58499 Date Analyzed: 2009-04-13 Analyzed By: AH
 Prep Batch: 49948 QC Preparation: 2009-04-12 Prepared By: AH

| Parameter | Flag | Result | Units | Reporting Limits |
|----------------|------|--------|-------|------------------|
| Oil and Grease | | <3.46 | mg/L | 3.459 |

Method Blank (1)

QC Batch: 58500 Date Analyzed: 2009-04-13 Analyzed By: TP
 Prep Batch: 49940 QC Preparation: 2009-04-13 Prepared By: TP

| Parameter | Flag | Result | Units | Reporting Limits |
|---------------|------|------------|-------|------------------|
| Total Mercury | | <0.0000329 | mg/L | 3.29e-05 |

Method Blank (1)

QC Batch: 58537 Date Analyzed: 2009-04-14 Analyzed By: RR
 Prep Batch: 49936 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|--------------------|------|-----------|-------|------------------|
| Dissolved Chromium | | <0.000583 | mg/L | 0.000583 |

Method Blank (1)

QC Batch: 58582 Date Analyzed: 2009-04-14 Analyzed By: AH
 Prep Batch: 50014 QC Preparation: 2009-04-14 Prepared By: AH

| Parameter | Flag | Result | Units | Reporting Limits |
|---------------|------|---------|-------|------------------|
| Total Cyanide | | <0.0110 | mg/L | 0.011 |

Method Blank (1)

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|---------------|------|--------|-------|------------------|
| Total Calcium | | <0.117 | mg/L | 0.117 |

Method Blank (1)

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|-----------------|------|--------|-------|------------------|
| Total Potassium | | <0.172 | mg/L | 0.172 |

Method Blank (1)

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|-----------------|------|--------|-------|------------------|
| Total Magnesium | | <0.160 | mg/L | 0.16 |

Method Blank (1)

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
 Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|--------------|------|---------|-------|------------------|
| Total Sodium | | <0.0500 | mg/L | 0.05 |

Method Blank (1)

QC Batch: 58615
Prep Batch: 50042

Date Analyzed: 2009-04-16
QC Preparation: 2009-04-13

Analyzed By: MN
Prepared By: MN

| Parameter | Flag | Result | Units | Reporting Limits |
|---------------------------------|------|-----------|-------|------------------|
| Pyridine | | <0.00128 | mg/L | 0.001281 |
| N-Nitrosodimethylamine | | <0.00192 | mg/L | 0.001918 |
| 2-Picoline | | <0.00132 | mg/L | 0.001321 |
| Methyl methanesulfonate | | <0.00175 | mg/L | 0.001747 |
| Ethyl methanesulfonate | | <0.00122 | mg/L | 0.001218 |
| Phenol | | <0.00165 | mg/L | 0.001649 |
| Aniline | | <0.00138 | mg/L | 0.001378 |
| bis(2-chloroethyl)ether | | <0.00217 | mg/L | 0.002172 |
| 2-Chlorophenol | | <0.00150 | mg/L | 0.001498 |
| 1,3-Dichlorobenzene (meta) | | <0.00166 | mg/L | 0.001663 |
| 1,4-Dichlorobenzene (para) | | <0.00156 | mg/L | 0.001562 |
| Benzyl alcohol | | <0.00100 | mg/L | 0.001005 |
| 1,2-Dichlorobenzene (ortho) | | <0.00164 | mg/L | 0.00164 |
| 2-Methylphenol | | <0.00158 | mg/L | 0.001581 |
| bis(2-chloroisopropyl)ether | | <0.000828 | mg/L | 0.000828 |
| 4-Methylphenol / 3-Methylphenol | | <0.00124 | mg/L | 0.001245 |
| N-Nitrosodi-n-propylamine | | <0.00127 | mg/L | 0.00127 |
| Hexachloroethane | | <0.00198 | mg/L | 0.001981 |
| Acetophenone | | <0.00127 | mg/L | 0.001273 |
| Nitrobenzene | | <0.00193 | mg/L | 0.001928 |
| N-Nitrosopiperidine | | <0.00120 | mg/L | 0.001205 |
| Isophorone | | <0.00194 | mg/L | 0.001943 |
| 2-Nitrophenol | | <0.00140 | mg/L | 0.0014 |
| 2,4-Dimethylphenol | | <0.00109 | mg/L | 0.001092 |
| bis(2-chloroethoxy)methane | | <0.00124 | mg/L | 0.001242 |
| 2,4-Dichlorophenol | | <0.00134 | mg/L | 0.001338 |
| 1,2,4-Trichlorobenzene | | <0.00193 | mg/L | 0.001934 |
| Benzoic acid | | <0.00304 | mg/L | 0.003042 |
| Naphthalene | | <0.00165 | mg/L | 0.00165 |
| a,a-Dimethylphenethylamine | | <0.000758 | mg/L | 0.000758 |
| 4-Chloroaniline | | <0.00115 | mg/L | 0.001152 |
| 2,6-Dichlorophenol | | <0.00120 | mg/L | 0.001198 |
| Hexachlorobutadiene | | <0.00184 | mg/L | 0.001838 |
| N-Nitroso-di-n-butylamine | | <0.00169 | mg/L | 0.001687 |
| 4-Chloro-3-methylphenol | | <0.00120 | mg/L | 0.001199 |
| 2-Methylnaphthalene | | <0.00145 | mg/L | 0.001451 |
| 1-Methylnaphthalene | | <0.00155 | mg/L | 0.00155 |
| 1,2,4,5-Tetrachlorobenzene | | <0.00205 | mg/L | 0.00205 |

continued ...

method blank continued ...

| Parameter | Flag | Result | Units | Reporting Limits |
|----------------------------|------|-----------|-------|------------------|
| Hexachlorocyclopentadiene | | <0.00385 | mg/L | 0.00385 |
| 2,4,6-Trichlorophenol | | <0.00152 | mg/L | 0.001523 |
| 2,4,5-Trichlorophenol | | <0.00320 | mg/L | 0.003202 |
| 2-Chloronaphthalene | | <0.00168 | mg/L | 0.001683 |
| 1-Chloronaphthalene | | <0.00181 | mg/L | 0.001808 |
| 2-Nitroaniline | | <0.00169 | mg/L | 0.00169 |
| Dimethylphthalate | | <0.00178 | mg/L | 0.001784 |
| Acenaphthylene | | <0.00136 | mg/L | 0.001356 |
| 2,6-Dinitrotoluene | | <0.00139 | mg/L | 0.001392 |
| 3-Nitroaniline | | <0.00124 | mg/L | 0.001236 |
| Acenaphthene | | <0.00132 | mg/L | 0.00132 |
| 2,4-Dinitrophenol | | <0.00392 | mg/L | 0.003916 |
| Dibenzofuran | | <0.00161 | mg/L | 0.001613 |
| Pentachlorobenzene | | <0.00242 | mg/L | 0.002422 |
| 4-Nitrophenol | | <0.00127 | mg/L | 0.001272 |
| 2,4-Dinitrotoluene | | <0.00139 | mg/L | 0.001388 |
| 1-Naphthylamine | | <0.00128 | mg/L | 0.001281 |
| 2,3,4,6-Tetrachlorophenol | | <0.00130 | mg/L | 0.001297 |
| 2-Naphthylamine | | <0.00154 | mg/L | 0.00154 |
| Fluorene | | <0.00130 | mg/L | 0.001295 |
| 4-Chlorophenyl-phenylether | | <0.00173 | mg/L | 0.001729 |
| Diethylphthalate | | <0.00161 | mg/L | 0.00161 |
| 4-Nitroaniline | | <0.00101 | mg/L | 0.001009 |
| Diphenylhydrazine | | <0.00125 | mg/L | 0.00125 |
| 4,6-Dinitro-2-methylphenol | | <0.00135 | mg/L | 0.001346 |
| Diphenylamine | | <0.00159 | mg/L | 0.001589 |
| 4-Bromophenyl-phenylether | | <0.00187 | mg/L | 0.001869 |
| Phenacetin | | <0.00139 | mg/L | 0.001391 |
| Hexachlorobenzene | | <0.00238 | mg/L | 0.002375 |
| 4-Aminobiphenyl | | <0.00134 | mg/L | 0.001345 |
| Pentachlorophenol | | <0.000632 | mg/L | 0.000632 |
| Anthracene | | <0.00152 | mg/L | 0.001522 |
| Pentachloronitrobenzene | | <0.00307 | mg/L | 0.003074 |
| Pronamide | | <0.00159 | mg/L | 0.001589 |
| Phenanthrene | | <0.00144 | mg/L | 0.001443 |
| Di-n-butylphthalate | | <0.00125 | mg/L | 0.001251 |
| Fluoranthene | | <0.00159 | mg/L | 0.001588 |
| Benzidine | | <0.000845 | mg/L | 0.000845 |
| Pyrene | | <0.00135 | mg/L | 0.00135 |
| p-Dimethylaminoazobenzene | | <0.000969 | mg/L | 0.000969 |
| Butylbenzylphthalate | | <0.00110 | mg/L | 0.001096 |
| Benzo(a)anthracene | | <0.00138 | mg/L | 0.001375 |
| 3,3-Dichlorobenzidine | | <0.00130 | mg/L | 0.0013 |
| Chrysene | | <0.00146 | mg/L | 0.001463 |
| bis(2-ethylhexyl)phthalate | | <0.00108 | mg/L | 0.001078 |
| Di-n-octylphthalate | | <0.000892 | mg/L | 0.000892 |
| Benzo(b)fluoranthene | | <0.00126 | mg/L | 0.001261 |

continued ...

| Parameter | Flag | Result | Units | Reporting Limits |
|----------------------|------|--------|-------|------------------|
| Total Organic Carbon | | 0.819 | mg/L | 0.401 |

Method Blank (1)

QC Batch: 58761 Date Analyzed: 2009-04-20 Analyzed By: JG
 Prep Batch: 50158 QC Preparation: 2009-04-09 Prepared By: JG

| Parameter | Flag | Result | Units | Reporting Limits |
|------------------------|------|--------|---------------|------------------|
| Hydroxide Alkalinity | | <1.00 | mg/L as CaCo3 | 1 |
| Carbonate Alkalinity | | <1.00 | mg/L as CaCo3 | 1 |
| Bicarbonate Alkalinity | | <4.00 | mg/L as CaCo3 | 4 |
| Total Alkalinity | | <4.00 | mg/L as CaCo3 | 4 |

Method Blank (1)

QC Batch: 58776 Date Analyzed: 2009-04-17 Analyzed By: KV
 Prep Batch: 50167 QC Preparation: 2009-04-17 Prepared By: KV

| Parameter | Flag | Result | Units | Reporting Limits |
|--------------------------|------|---------|-------|------------------|
| Nitrate and Nitrite as N | | <0.0305 | mg/L | 0.035 |

Method Blank (1)

QC Batch: 58950 Date Analyzed: 2009-04-16 Analyzed By: JR
 Prep Batch: 50322 QC Preparation: 2009-04-16 Prepared By: JR

| Parameter | Flag | Result | Units | Reporting Limits |
|-----------|------|--------|-------|------------------|
| Bromide | | <0.500 | mg/L | 0.0394 |

Method Blank (1)

QC Batch: 58950 Date Analyzed: 2009-04-16 Analyzed By: JR
 Prep Batch: 50322 QC Preparation: 2009-04-16 Prepared By: JR

| Parameter | Flag | Result | Units | Reporting Limits |
|-----------|------|--------|-------|------------------|
| Chloride | | <2.50 | mg/L | 0.6404 |

Method Blank (1)QC Batch: 58950
Prep Batch: 50322Date Analyzed: 2009-04-16
QC Preparation: 2009-04-16Analyzed By: JR
Prepared By: JR

| Parameter | Flag | Result | Units | Reporting Limits |
|-----------|------|--------|-------|------------------|
| Fluoride | | <0.500 | mg/L | 0.0434 |

Method Blank (1)QC Batch: 58950
Prep Batch: 50322Date Analyzed: 2009-04-16
QC Preparation: 2009-04-16Analyzed By: JR
Prepared By: JR

| Parameter | Flag | Result | Units | Reporting Limits |
|-----------|------|--------|-------|------------------|
| Sulfate | | <2.50 | mg/L | 0.5038 |

Method Blank (1)QC Batch: 59150
Prep Batch: 50476Date Analyzed: 2009-04-27
QC Preparation: 2009-04-14Analyzed By: DS
Prepared By: DS

| Parameter | Flag | Result | Units | Reporting Limits |
|-----------------------|------|--------|-------|------------------|
| HMX | | <0.123 | µg/L | 0.123 |
| RDX | | <0.298 | µg/L | 0.298 |
| 1,3,5-Trinitrobenzene | | <0.339 | µg/L | 0.339 |
| 1,3-Dinitrobenzene | | <0.389 | µg/L | 0.389 |
| Nitrobenzene | | <0.379 | µg/L | 0.379 |
| Tetryl | | <0.413 | µg/L | 0.413 |
| TNT | | <0.464 | µg/L | 0.464 |
| 4-Amino-DNT | | <0.319 | µg/L | 0.319 |
| 2-Amino-DNT | | <0.391 | µg/L | 0.391 |
| 2,6-DNT | | <0.323 | µg/L | 0.323 |
| 2,4-DNT | | <0.366 | µg/L | 0.366 |
| 2-NT | | <0.379 | µg/L | 0.379 |
| 4-NT | | <0.398 | µg/L | 0.398 |
| 3-NT | | <0.346 | µg/L | 0.346 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|--------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| 1,2-Dinitrobenzene | | 2.40 | µg/L | 1 | 2.50 | 96 | 19.8 - 160 |

Duplicate (1) Duplicated Sample: 192754

QC Batch: 58512 Date Analyzed: 2009-04-09 Analyzed By: MD
 Prep Batch: 49957 QC Preparation: 2009-04-09 Prepared By: JG

| Param | Duplicate Result | Sample Result | Units | Dilution | RPD | RPD Limit |
|-------|------------------|---------------|-------|----------|-----|-----------|
| pH | 7.47 | 7.47 | s.u. | 1 | 0 | 1.1 |

Duplicate (1) Duplicated Sample: 192785

QC Batch: 58648 Date Analyzed: 2009-04-16 Analyzed By: RD
 Prep Batch: 50066 QC Preparation: 2009-04-11 Prepared By: RD

| Param | Duplicate Result | Sample Result | Units | Dilution | RPD | RPD Limit |
|------------------------|------------------|---------------|-------|----------|-----|-----------|
| Total Dissolved Solids | 633.0 | 614.0 | mg/L | 1 | 3 | 10 |

Duplicate (1) Duplicated Sample: 192674

QC Batch: 58761 Date Analyzed: 2009-04-20 Analyzed By: JG
 Prep Batch: 50158 QC Preparation: 2009-04-09 Prepared By: JG

| Param | Duplicate Result | Sample Result | Units | Dilution | RPD | RPD Limit |
|------------------------|------------------|---------------|---------------|----------|-----|-----------|
| Hydroxide Alkalinity | <1.00 | <1.00 | mg/L as CaCo3 | 1 | 0 | 20 |
| Carbonate Alkalinity | <1.00 | <1.00 | mg/L as CaCo3 | 1 | 0 | 20 |
| Bicarbonate Alkalinity | 140 | 138 | mg/L as CaCo3 | 1 | 1 | 20 |
| Total Alkalinity | 140 | 138 | mg/L as CaCo3 | 1 | 1 | 20 |

Laboratory Control Spike (LCS-1)

QC Batch: 58445 Date Analyzed: 2009-04-10 Analyzed By: ER
 Prep Batch: 49911 QC Preparation: 2009-04-10 Prepared By: ER

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|-------|------------|-------|------|--------------|---------------|------|------------|
| GRO | 0.950 | mg/L | 1 | 1.00 | <0.152 | 95 | 78.6 - 123 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|-------|-------------|-------|------|--------------|---------------|------|------------|-----|-----------|
| GRO | 0.902 | mg/L | 1 | 1.00 | <0.152 | 90 | 78.6 - 123 | 5 | 20 |

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

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|----------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Aluminum | 0.974 | mg/L | 1 | 1.00 | <0.00301 | 97 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|----------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Aluminum | 0.918 | mg/L | 1 | 1.00 | <0.00301 | 92 | 85 - 115 | 6 | 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: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|---------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Arsenic | 0.514 | mg/L | 1 | 0.500 | <0.00448 | 103 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|---------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Arsenic | 0.483 | mg/L | 1 | 0.500 | <0.00448 | 97 | 85 - 115 | 6 | 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: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Barium | 1.05 | mg/L | 1 | 1.00 | <0.00105 | 105 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|--------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Barium | 0.992 | mg/L | 1 | 1.00 | <0.00105 | 99 | 85 - 115 | 6 | 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: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|-----------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Beryllium | 0.0260 | mg/L | 1 | 0.0250 | <0.000450 | 104 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|-----------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Beryllium | 0.0240 | mg/L | 1 | 0.0250 | <0.000450 | 96 | 85 - 115 | 8 | 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: 58487
Prep Batch: 49933

Date Analyzed: 2009-04-13
QC Preparation: 2009-04-13

Analyzed By: RR
Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|---------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Cadmium | 0.264 | mg/L | 1 | 0.250 | <0.000303 | 106 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|---------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Cadmium | 0.251 | mg/L | 1 | 0.250 | <0.000303 | 100 | 85 - 115 | 5 | 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: 58487
Prep Batch: 49933

Date Analyzed: 2009-04-13
QC Preparation: 2009-04-13

Analyzed By: RR
Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Cobalt | 0.253 | mg/L | 1 | 0.250 | <0.000822 | 101 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|--------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Cobalt | 0.240 | mg/L | 1 | 0.250 | <0.000822 | 96 | 85 - 115 | 5 | 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: 58487
Prep Batch: 49933

Date Analyzed: 2009-04-13
QC Preparation: 2009-04-13

Analyzed By: RR
Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|----------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Chromium | 0.0960 | mg/L | 1 | 0.100 | <0.000583 | 96 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|----------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Chromium | 0.0910 | mg/L | 1 | 0.100 | <0.000583 | 91 | 85 - 115 | 5 | 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: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Copper | 0.131 | mg/L | 1 | 0.125 | <0.000843 | 105 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|--------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Copper | 0.130 | mg/L | 1 | 0.125 | <0.000843 | 104 | 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: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Iron | 0.522 | mg/L | 1 | 0.500 | <0.000872 | 104 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Iron | 0.545 | mg/L | 1 | 0.500 | <0.000872 | 109 | 85 - 115 | 4 | 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: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|-----------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Manganese | 0.253 | mg/L | 1 | 0.250 | <0.000305 | 101 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|-----------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Manganese | 0.241 | mg/L | 1 | 0.250 | <0.000305 | 96 | 85 - 115 | 5 | 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: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|------------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Molybdenum | 0.529 | mg/L | 1 | 0.500 | <0.00119 | 106 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|------------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Molybdenum | 0.501 | mg/L | 1 | 0.500 | <0.00119 | 100 | 85 - 115 | 5 | 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: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Nickel | 0.250 | mg/L | 1 | 0.250 | <0.00121 | 100 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|--------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Nickel | 0.237 | mg/L | 1 | 0.250 | <0.00121 | 95 | 85 - 115 | 5 | 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: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|----------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Selenium | 0.466 | mg/L | 1 | 0.500 | <0.00508 | 93 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|----------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Selenium | 0.439 | mg/L | 1 | 0.500 | <0.00508 | 88 | 85 - 115 | 6 | 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: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|----------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Thallium | 0.522 | mg/L | 1 | 0.500 | <0.00488 | 104 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|----------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Thallium | 0.493 | mg/L | 1 | 0.500 | <0.00488 | 99 | 85 - 115 | 6 | 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: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|----------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Vanadium | 0.253 | mg/L | 1 | 0.250 | <0.000426 | 101 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|----------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Vanadium | 0.240 | mg/L | 1 | 0.250 | <0.000426 | 96 | 85 - 115 | 5 | 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: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Dissolved Chromium | 0.0950 | mg/L | 1 | 0.100 | <0.000583 | 95 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|--------------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Dissolved Chromium | 0.0990 | mg/L | 1 | 0.100 | <0.000583 | 99 | 85 - 115 | 4 | 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: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|---------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Calcium | 52.9 | mg/L | 1 | 50.0 | <0.117 | 106 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|---------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Calcium | 50.7 | mg/L | 1 | 50.0 | <0.117 | 101 | 85 - 115 | 4 | 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: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|-----------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Potassium | 51.4 | mg/L | 1 | 50.0 | <0.172 | 103 | 85 - 115 |

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

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|-----------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Potassium | 49.6 | mg/L | 1 | 50.0 | <0.172 | 99 | 85 - 115 | 4 | 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: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|-----------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Magnesium | 51.9 | mg/L | 1 | 50.0 | <0.160 | 104 | 85 - 115 |

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

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|-----------------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Magnesium | 49.8 | mg/L | 1 | 50.0 | <0.160 | 100 | 85 - 115 | 4 | 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: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Total Sodium | 52.9 | mg/L | 1 | 50.0 | <0.0500 | 106 | 85 - 115 |

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

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Sodium | 51.1 | mg/L | 1 | 50.0 | <0.0500 | 102 | 85 - 115 | 4 | 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: 58615 Date Analyzed: 2009-04-16 Analyzed By: MN
Prep Batch: 50042 QC Preparation: 2009-04-13 Prepared By: MN

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|----------------------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Phenol | 0.0221 | mg/L | 1 | 0.0800 | <0.00165 | 28 | 10 - 37.6 |
| 2-Chlorophenol | 0.0488 | mg/L | 1 | 0.0800 | <0.00150 | 61 | 27.4 - 88.1 |
| 1,4-Dichlorobenzene (para) | 0.0424 | mg/L | 1 | 0.0800 | <0.00156 | 53 | 22.2 - 85.4 |
| N-Nitrosodi-n-propylamine | 0.0580 | mg/L | 1 | 0.0800 | <0.00127 | 72 | 15.8 - 119 |
| 1,2,4-Trichlorobenzene | 0.0527 | mg/L | 1 | 0.0800 | <0.00193 | 66 | 25 - 99.5 |
| Naphthalene | 0.0588 | mg/L | 1 | 0.0800 | <0.00165 | 74 | 24.8 - 93.1 |
| 4-Chloro-3-methylphenol | 0.0604 | mg/L | 1 | 0.0800 | <0.00120 | 76 | 28.4 - 110 |
| Acenaphthylene | 0.0562 | mg/L | 1 | 0.0800 | <0.00136 | 70 | 33.3 - 110 |
| Acenaphthene | 0.0551 | mg/L | 1 | 0.0800 | <0.00132 | 69 | 31.5 - 107 |
| 4-Nitrophenol | 0.0160 | mg/L | 1 | 0.0800 | <0.00127 | 20 | 10 - 48.8 |
| 2,4-Dinitrotoluene | 0.0561 | mg/L | 1 | 0.0800 | <0.00139 | 70 | 27.8 - 126 |
| Fluorene | 0.0548 | mg/L | 1 | 0.0800 | <0.00130 | 68 | 25.5 - 124 |
| Pentachlorophenol | 0.0479 | mg/L | 1 | 0.0800 | <0.000632 | 60 | 10 - 119 |
| Anthracene | 0.0687 | mg/L | 1 | 0.0800 | <0.00152 | 86 | 39.5 - 119 |
| Phenanthrene | 0.0704 | mg/L | 1 | 0.0800 | <0.00144 | 88 | 41 - 119 |

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control spikes continued . . .

| Param | LCS | | | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|------------------------|--------|-------|------|-----------------|------------------|------|---------------|
| | Result | Units | Dil. | | | | |
| Fluoranthene | 0.0701 | mg/L | 1 | 0.0800 | <0.00159 | 88 | 35.8 - 143 |
| Pyrene | 0.0734 | mg/L | 1 | 0.0800 | <0.00135 | 92 | 35.8 - 132 |
| Benzo(a)anthracene | 0.0712 | mg/L | 1 | 0.0800 | <0.00138 | 89 | 40.1 - 128 |
| Chrysene | 0.0666 | mg/L | 1 | 0.0800 | <0.00146 | 83 | 40.5 - 128 |
| Benzo(b)fluoranthene | 0.0689 | mg/L | 1 | 0.0800 | <0.00126 | 86 | 32 - 134 |
| Benzo(k)fluoranthene | 0.0801 | mg/L | 1 | 0.0800 | <0.00149 | 100 | 43.5 - 131 |
| Benzo(a)pyrene | 0.0772 | mg/L | 1 | 0.0800 | <0.00155 | 96 | 43.5 - 140 |
| Indeno(1,2,3-cd)pyrene | 0.0735 | mg/L | 1 | 0.0800 | <0.00195 | 92 | 39.7 - 159 |
| Dibenzo(a,h)anthracene | 0.0691 | mg/L | 1 | 0.0800 | <0.0210 | 86 | 39.2 - 154 |
| Benzo(g,h,i)perylene | 0.0731 | mg/L | 1 | 0.0800 | <0.00207 | 91 | 38 - 157 |

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

| Param | LCSD | | | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|----------------------------|--------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| | Result | Units | Dil. | | | | | | |
| Phenol | 0.0206 | mg/L | 1 | 0.0800 | <0.00165 | 26 | 10 - 37.6 | 7 | 20 |
| 2-Chlorophenol | 0.0454 | mg/L | 1 | 0.0800 | <0.00150 | 57 | 27.4 - 88.1 | 7 | 20 |
| 1,4-Dichlorobenzene (para) | 0.0394 | mg/L | 1 | 0.0800 | <0.00156 | 49 | 22.2 - 85.4 | 7 | 20 |
| N-Nitrosodi-n-propylamine | 0.0510 | mg/L | 1 | 0.0800 | <0.00127 | 64 | 15.8 - 119 | 13 | 20 |
| 1,2,4-Trichlorobenzene | 0.0493 | mg/L | 1 | 0.0800 | <0.00193 | 62 | 25 - 99.5 | 7 | 20 |
| Naphthalene | 0.0545 | mg/L | 1 | 0.0800 | <0.00165 | 68 | 24.8 - 93.1 | 8 | 20 |
| 4-Chloro-3-methylphenol | 0.0556 | mg/L | 1 | 0.0800 | <0.00120 | 70 | 28.4 - 110 | 8 | 20 |
| Acenaphthylene | 0.0529 | mg/L | 1 | 0.0800 | <0.00136 | 66 | 33.3 - 110 | 6 | 20 |
| Acenaphthene | 0.0513 | mg/L | 1 | 0.0800 | <0.00132 | 64 | 31.5 - 107 | 7 | 20 |
| 4-Nitrophenol | 0.0157 | mg/L | 1 | 0.0800 | <0.00127 | 20 | 10 - 48.8 | 2 | 20 |
| 2,4-Dinitrotoluene | 0.0539 | mg/L | 1 | 0.0800 | <0.00139 | 67 | 27.8 - 126 | 4 | 20 |
| Fluorene | 0.0524 | mg/L | 1 | 0.0800 | <0.00130 | 66 | 25.5 - 124 | 4 | 20 |
| Pentachlorophenol | 0.0460 | mg/L | 1 | 0.0800 | <0.000632 | 58 | 10 - 119 | 4 | 20 |
| Anthracene | 0.0646 | mg/L | 1 | 0.0800 | <0.00152 | 81 | 39.5 - 119 | 6 | 20 |
| Phenanthrene | 0.0659 | mg/L | 1 | 0.0800 | <0.00144 | 82 | 41 - 119 | 7 | 20 |
| Fluoranthene | 0.0644 | mg/L | 1 | 0.0800 | <0.00159 | 80 | 35.8 - 143 | 8 | 20 |
| Pyrene | 0.0685 | mg/L | 1 | 0.0800 | <0.00135 | 86 | 35.8 - 132 | 7 | 20 |
| Benzo(a)anthracene | 0.0659 | mg/L | 1 | 0.0800 | <0.00138 | 82 | 40.1 - 128 | 8 | 20 |
| Chrysene | 0.0631 | mg/L | 1 | 0.0800 | <0.00146 | 79 | 40.5 - 128 | 5 | 20 |
| Benzo(b)fluoranthene | 0.0659 | mg/L | 1 | 0.0800 | <0.00126 | 82 | 32 - 134 | 4 | 20 |
| Benzo(k)fluoranthene | 0.0725 | mg/L | 1 | 0.0800 | <0.00149 | 91 | 43.5 - 131 | 10 | 20 |
| Benzo(a)pyrene | 0.0725 | mg/L | 1 | 0.0800 | <0.00155 | 91 | 43.5 - 140 | 6 | 20 |
| Indeno(1,2,3-cd)pyrene | 0.0683 | mg/L | 1 | 0.0800 | <0.00195 | 85 | 39.7 - 159 | 7 | 20 |
| Dibenzo(a,h)anthracene | 0.0669 | mg/L | 1 | 0.0800 | <0.0210 | 84 | 39.2 - 154 | 3 | 20 |
| Benzo(g,h,i)perylene | 0.0687 | mg/L | 1 | 0.0800 | <0.00207 | 86 | 38 - 157 | 6 | 20 |

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

| Surrogate | LCS | LCSD | Units | Dil. | Spike Amount | LCS | LCSD | Rec. Limit |
|----------------|--------|--------|-------|------|-----------------|------|------|---------------|
| | Result | Result | | | | Rec. | Rec. | |
| 2-Fluorophenol | 0.0452 | 0.0439 | mg/L | 1 | 0.0800 | 56 | 55 | 10 - 60.8 |
| Phenol-d5 | 0.0298 | 0.0294 | mg/L | 1 | 0.0800 | 37 | 37 | 10 - 42.2 |

continued . . .

| Param | LCS | | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|---------|--------|-------|------|--------------|---------------|------|------------|
| | Result | Units | | | | | |
| Sulfate | 47.3 | mg/L | 1 | 50.0 | <0.504 | 95 | 92.6 - 104 |

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

| Param | LCSD | | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|---------|--------|-------|------|--------------|---------------|------|------------|-----|-----------|
| | Result | Units | | | | | | | |
| Sulfate | 47.4 | mg/L | 1 | 50.0 | <0.504 | 95 | 92.6 - 104 | 0 | 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: 59150
Prep Batch: 50476

Date Analyzed: 2009-04-27
QC Preparation: 2009-04-14

Analyzed By: DS
Prepared By: DS

| Param | LCS | | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|-----------------------|--------|-------|------|--------------|---------------|------|------------|
| | Result | Units | | | | | |
| HMX | 2.29 | µg/L | 1 | 2.50 | <0.123 | 92 | 63.5 - 125 |
| RDX | 2.44 | µg/L | 1 | 2.50 | <0.298 | 98 | 74.5 - 124 |
| 1,3,5-Trinitrobenzene | 2.43 | µg/L | 1 | 2.50 | <0.339 | 97 | 54.1 - 131 |
| 1,3-Dinitrobenzene | 2.44 | µg/L | 1 | 2.50 | <0.389 | 98 | 72 - 112 |
| Nitrobenzene | 2.40 | µg/L | 1 | 2.50 | <0.379 | 96 | 72.5 - 126 |
| Tetryl | 2.26 | µg/L | 1 | 2.50 | <0.413 | 90 | 35.9 - 149 |
| TNT | 2.50 | µg/L | 1 | 2.50 | <0.464 | 100 | 40.7 - 129 |
| 4-Amino-DNT | 2.54 | µg/L | 1 | 2.50 | <0.319 | 102 | 80 - 120 |
| 2-Amino-DNT | 2.58 | µg/L | 1 | 2.50 | <0.391 | 103 | 80 - 120 |
| 2,6-DNT | 2.30 | µg/L | 1 | 2.50 | <0.323 | 92 | 80 - 120 |
| 2,4-DNT | 2.46 | µg/L | 1 | 2.50 | <0.366 | 98 | 80 - 120 |
| 2-NT | 2.45 | µg/L | 1 | 2.50 | <0.379 | 98 | 49.8 - 139 |
| 4-NT | 2.31 | µg/L | 1 | 2.50 | <0.398 | 92 | 56.3 - 141 |
| 3-NT | 2.43 | µg/L | 1 | 2.50 | <0.346 | 97 | 66.2 - 129 |

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

| Param | LCSD | | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|-----------------------|--------|-------|------|--------------|---------------|------|------------|-----|-----------|
| | Result | Units | | | | | | | |
| HMX | 2.04 | µg/L | 1 | 2.50 | <0.123 | 82 | 63.5 - 125 | 12 | 20 |
| RDX | 2.40 | µg/L | 1 | 2.50 | <0.298 | 96 | 74.5 - 124 | 2 | 20 |
| 1,3,5-Trinitrobenzene | 2.32 | µg/L | 1 | 2.50 | <0.339 | 93 | 54.1 - 131 | 5 | 20 |
| 1,3-Dinitrobenzene | 2.40 | µg/L | 1 | 2.50 | <0.389 | 96 | 72 - 112 | 2 | 20 |
| Nitrobenzene | 2.46 | µg/L | 1 | 2.50 | <0.379 | 98 | 72.5 - 126 | 2 | 20 |
| Tetryl | 2.14 | µg/L | 1 | 2.50 | <0.413 | 86 | 35.9 - 149 | 5 | 20 |
| TNT | 2.52 | µg/L | 1 | 2.50 | <0.464 | 101 | 40.7 - 129 | 1 | 20 |
| 4-Amino-DNT | 2.71 | µg/L | 1 | 2.50 | <0.319 | 108 | 80 - 120 | 6 | 20 |
| 2-Amino-DNT | 2.59 | µg/L | 1 | 2.50 | <0.391 | 104 | 80 - 120 | 0 | 20 |
| 2,6-DNT | 2.55 | µg/L | 1 | 2.50 | <0.323 | 102 | 80 - 120 | 10 | 20 |
| 2,4-DNT | 2.62 | µg/L | 1 | 2.50 | <0.366 | 105 | 80 - 120 | 6 | 20 |
| 2-NT | 2.42 | µg/L | 1 | 2.50 | <0.379 | 97 | 49.8 - 139 | 1 | 20 |
| 4-NT | 2.31 | µg/L | 1 | 2.50 | <0.398 | 92 | 56.3 - 141 | 0 | 20 |

continued . . .

control spikes continued . . .

| Param | LCSD | | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|-------|--------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| | Result | Units | | | | | | | |
| 3-NT | 2.33 | µg/L | 1 | 2.50 | <0.346 | 93 | 66.2 - 129 | 4 | 20 |

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

| Surrogate | LCS | LCSD | Units | Dil. | Spike Amount | LCS | LCSD | Rec. Limit |
|--------------------|--------|--------|-------|------|-----------------|------|------|---------------|
| | Result | Result | | | | Rec. | Rec. | |
| 1,2-Dinitrobenzene | 2.29 | 2.33 | µg/L | 1 | 2.50 | 92 | 93 | 53 - 134 |

Matrix Spike (MS-1) Spiked Sample: 192596

QC Batch: 58445 Date Analyzed: 2009-04-10 Analyzed By: ER
 Prep Batch: 49911 QC Preparation: 2009-04-10 Prepared By: ER

| Param | MS | | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|-------|--------|-------|------|-----------------|------------------|------|---------------|
| | Result | Units | | | | | |
| GRO | 0.644 | mg/L | 1 | 1.00 | <0.152 | 64 | 44.6 - 142 |

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

| Param | MSD | | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|-------|--------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| | Result | Units | | | | | | | |
| GRO | 0.643 | mg/L | 1 | 1.00 | <0.152 | 64 | 44.6 - 142 | 0 | 20 |

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

| Surrogate | MS | MSD | Units | Dil. | Spike Amount | MS | MSD | Rec. Limit |
|------------------------------|-----------------------|--------|-------|------|-----------------|------|------|---------------|
| | Result | Result | | | | Rec. | Rec. | |
| Trifluorotoluene (TFT) | ^{3,4} 0.0472 | 0.0502 | mg/L | 1 | 0.1 | 47 | 50 | 57.8 - 132 |
| 4-Bromofluorobenzene (4-BFB) | ^{5,6} 0.0473 | 0.0504 | mg/L | 1 | 0.1 | 47 | 50 | 69.4 - 128 |

Matrix Spike (MS-1) Spiked Sample: 192753

QC Batch: 58465 Date Analyzed: 2009-04-11 Analyzed By: RG
 Prep Batch: 49924 QC Preparation: 2009-04-10 Prepared By: RG

| Param | MS | | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|-------|--------|-------|------|-----------------|------------------|------|---------------|
| | Result | Units | | | | | |
| DRO | 29.8 | mg/L | 1 | 25.0 | <0.876 | 119 | 29.8 - 181 |

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

| Param | MSD | | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|-------|--------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| | Result | Units | | | | | | | |
| DRO | 29.1 | mg/L | 1 | 25.0 | <0.876 | 116 | 29.8 - 181 | 2 | 20 |

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

³Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.⁴Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.⁵Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.⁶Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Silver | 0.124 | mg/L | 1 | 0.125 | <0.00111 | 99 | 75 - 125 | 5 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|----------------|--------------|-------|------|-----------------|------------------|------|---------------|
| Total Aluminum | 1.18 | mg/L | 1 | 1.00 | 0.077 | 110 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|----------------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Aluminum | 1.19 | mg/L | 1 | 1.00 | 0.077 | 111 | 75 - 125 | 1 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|---------------|--------------|-------|------|-----------------|------------------|------|---------------|
| Total Arsenic | 0.540 | mg/L | 1 | 0.500 | <0.00448 | 108 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|---------------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Arsenic | 0.510 | mg/L | 1 | 0.500 | <0.00448 | 102 | 75 - 125 | 6 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|--------------|-------|------|-----------------|------------------|------|---------------|
| Total Barium | 1.00 | mg/L | 1 | 1.00 | 0.022 | 98 | 75 - 125 |

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

| Param | MSD | | Dil. | Spike | Matrix | Rec. | Rec. Limit | RPD | RPD Limit |
|--------------|--------|-------|------|--------|--------|------|------------|-----|-----------|
| | Result | Units | | Amount | Result | | | | |
| Total Barium | 0.995 | mg/L | 1 | 1.00 | 0.022 | 97 | 75 - 125 | 0 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS | | Dil. | Spike | Matrix | Rec. | Rec. Limit |
|-----------------|--------|-------|------|--------|-----------|------|------------|
| | Result | Units | | Amount | Result | | |
| Total Beryllium | 0.0240 | mg/L | 1 | 0.0250 | <0.000450 | 96 | 75 - 125 |

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

| Param | MSD | | Dil. | Spike | Matrix | Rec. | Rec. Limit | RPD | RPD Limit |
|-----------------|--------|-------|------|--------|-----------|------|------------|-----|-----------|
| | Result | Units | | Amount | Result | | | | |
| Total Beryllium | 0.0230 | mg/L | 1 | 0.0250 | <0.000450 | 92 | 75 - 125 | 4 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS | | Dil. | Spike | Matrix | Rec. | Rec. Limit |
|---------------|--------|-------|------|--------|-----------|------|------------|
| | Result | Units | | Amount | Result | | |
| Total Cadmium | 0.240 | mg/L | 1 | 0.250 | <0.000303 | 96 | 75 - 125 |

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

| Param | MSD | | Dil. | Spike | Matrix | Rec. | Rec. Limit | RPD | RPD Limit |
|---------------|--------|-------|------|--------|-----------|------|------------|-----|-----------|
| | Result | Units | | Amount | Result | | | | |
| Total Cadmium | 0.227 | mg/L | 1 | 0.250 | <0.000303 | 91 | 75 - 125 | 6 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS | | Dil. | Spike | Matrix | Rec. | Rec. Limit |
|--------------|--------|-------|------|--------|-----------|------|------------|
| | Result | Units | | Amount | Result | | |
| Total Cobalt | 0.228 | mg/L | 1 | 0.250 | <0.000822 | 91 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Cobalt | 0.229 | mg/L | 1 | 0.250 | <0.000822 | 92 | 75 - 125 | 0 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|----------------|--------------|-------|------|-----------------|------------------|------|---------------|
| Total Chromium | 0.0920 | mg/L | 1 | 0.100 | <0.000583 | 92 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|----------------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Chromium | 0.0900 | mg/L | 1 | 0.100 | <0.000583 | 90 | 75 - 125 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|--------------|-------|------|-----------------|------------------|------|---------------|
| Total Copper | 0.146 | mg/L | 1 | 0.125 | 0.029 | 94 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Total Copper | 0.128 | mg/L | 1 | 0.125 | 0.029 | 79 | 75 - 125 | 13 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|------------|--------------|-------|------|-----------------|------------------|------|---------------|
| Total Iron | 0.593 | mg/L | 1 | 0.500 | 0.11 | 97 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|------------|---------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Iron | 0.546 | mg/L | 1 | 0.500 | 0.11 | 87 | 75 - 125 | 8 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|-----------------|--------------|-------|------|-----------------|------------------|--------------|---------------|
| Total Manganese | 0.662 | mg/L | 1 | 0.250 | 0.439 | 89 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|-----------------|---------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Manganese | 0.658 | mg/L | 1 | 0.250 | 0.439 | 88 | 75 - 125 | 1 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|------------------|--------------|-------|------|-----------------|------------------|--------------|---------------|
| Total Molybdenum | 0.528 | mg/L | 1 | 0.500 | 0.026 | 100 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|------------------|---------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Molybdenum | 0.496 | mg/L | 1 | 0.500 | 0.026 | 94 | 75 - 125 | 6 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|--------------|--------------|-------|------|-----------------|------------------|--------------|---------------|
| Total Nickel | 0.228 | mg/L | 1 | 0.250 | 0.002 | 90 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|--------------|---------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Nickel | 0.222 | mg/L | 1 | 0.250 | 0.002 | 88 | 75 - 125 | 3 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|-------------------|--------------|-------|------|-----------------|------------------|--------------|---------------|
| Total Phosphorous | 0.584 | mg/L | 1 | 0.500 | 0.051 | 107 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|-------------------|---------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Phosphorous | 0.534 | mg/L | 1 | 0.500 | 0.051 | 97 | 75 - 125 | 9 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|------------|--------------|-------|------|-----------------|------------------|--------------|---------------|
| Total Lead | 0.487 | mg/L | 1 | 0.500 | <0.00326 | 97 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|------------|---------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Lead | 0.455 | mg/L | 1 | 0.500 | <0.00326 | 91 | 75 - 125 | 7 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|----------------|--------------|-------|------|-----------------|------------------|--------------|---------------|
| Total Antimony | 0.248 | mg/L | 1 | 0.250 | <0.00440 | 99 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD RPD | RPD Limit |
|----------------|---------------|-------|------|-----------------|------------------|--------------|---------------|------------|--------------|
| Total Antimony | 0.239 | mg/L | 1 | 0.250 | <0.00440 | 96 | 75 - 125 | 4 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|----------------|--------------|-------|------|-----------------|------------------|--------------|---------------|
| Total Selenium | 0.454 | mg/L | 1 | 0.500 | <0.00508 | 91 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD RPD | RPD Limit |
|----------------|---------------|-------|------|-----------------|------------------|--------------|---------------|------------|--------------|
| Total Selenium | 0.429 | mg/L | 1 | 0.500 | <0.00508 | 86 | 75 - 125 | 6 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|----------------|--------------|-------|------|-----------------|------------------|--------------|---------------|
| Total Thallium | 0.446 | mg/L | 1 | 0.500 | <0.00488 | 89 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD RPD | RPD Limit |
|----------------|---------------|-------|------|-----------------|------------------|--------------|---------------|------------|--------------|
| Total Thallium | 0.422 | mg/L | 1 | 0.500 | <0.00488 | 84 | 75 - 125 | 6 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|----------------|--------------|-------|------|-----------------|------------------|--------------|---------------|
| Total Vanadium | 0.250 | mg/L | 1 | 0.250 | 0.002 | 99 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|----------------|---------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Vanadium | 0.251 | mg/L | 1 | 0.250 | 0.002 | 100 | 75 - 125 | 0 | 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: 192752

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|------------|--------------|-------|------|-----------------|------------------|--------------|---------------|
| Total Zinc | 0.250 | mg/L | 1 | 0.250 | 0.013 | 95 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|------------|---------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Zinc | 0.251 | mg/L | 1 | 0.250 | 0.013 | 95 | 75 - 125 | 0 | 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: 192631

QC Batch: 58500 Date Analyzed: 2009-04-13 Analyzed By: TP
Prep Batch: 49940 QC Preparation: 2009-04-13 Prepared By: TP

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|---------------|--------------|-------|------|-----------------|------------------|--------------|---------------|
| Total Mercury | 0.000874 | mg/L | 1 | 0.00100 | <0.0000329 | 87 | 75 - 121 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|---------------|---------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Mercury | 0.000859 | mg/L | 1 | 0.00100 | <0.0000329 | 86 | 75 - 121 | 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: 192755

QC Batch: 58537 Date Analyzed: 2009-04-14 Analyzed By: RR
Prep Batch: 49936 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|--------------------|--------------|-------|------|-----------------|------------------|--------------|---------------|
| Dissolved Chromium | 0.141 | mg/L | 1 | 0.100 | 0.049 | 92 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|--------------------|---------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Dissolved Chromium | 0.142 | mg/L | 1 | 0.100 | 0.049 | 93 | 75 - 125 | 1 | 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: 192753

QC Batch: 58582 Date Analyzed: 2009-04-14 Analyzed By: AH
Prep Batch: 50014 QC Preparation: 2009-04-14 Prepared By: AH

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|---------------|--------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Cyanide | 0.110 | mg/L | 1 | 0.120 | <0.0110 | 92 | 51.9 - 142 | | |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|---------------|---------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Cyanide | 0.102 | mg/L | 1 | 0.120 | <0.0110 | 85 | 51.9 - 142 | 8 | 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: 192752

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|---------------|--------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Calcium | 375 | mg/L | 1 | 50.0 | 315 | 120 | 75 - 125 | | |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|---------------|---------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Calcium | 363 | mg/L | 1 | 50.0 | 315 | 96 | 75 - 125 | 3 | 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: 192752

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|-----------------|--------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Potassium | 105 | mg/L | 1 | 50.0 | 64.6 | 81 | 75 - 125 | | |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|-----------------|---------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Potassium | 110 | mg/L | 1 | 50.0 | 64.6 | 91 | 75 - 125 | 5 | 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: 192752

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|-----------------|--------------|-------|------|-----------------|------------------|--------------|---------------|
| Total Magnesium | 420 | mg/L | 1 | 50.0 | 368 | 104 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|-----------------|---------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Magnesium | 414 | mg/L | 1 | 50.0 | 368 | 92 | 75 - 125 | 1 | 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: 192752

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR
Prep Batch: 49933 QC Preparation: 2009-04-13 Prepared By: KV

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|--------------|--------------|-------|------|-----------------|------------------|--------------|---------------|
| Total Sodium | 1120 | mg/L | 1 | 50.0 | 1070 | 100 | 75 - 125 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD | RPD Limit |
|--------------|---------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Total Sodium | 1120 | mg/L | 1 | 50.0 | 1070 | 100 | 75 - 125 | 0 | 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: 192752

QC Batch: 58671 Date Analyzed: 2009-04-09 Analyzed By: MD
Prep Batch: 50087 QC Preparation: 2009-04-09 Prepared By: MD

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|---------------------|--------------|-------|------|-----------------|------------------|--------------|---------------|
| Hexavalent Chromium | 0.610 | mg/L | 1.11 | 0.556 | 0.153 | 82 | 80.1 - 118 |

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

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|---------|--------------|-------|------|-----------------|------------------|------|---------------|
| Bromide | 10.7 | mg/L | 1.11 | 11.1 | <0.0437 | 96 | 92.8 - 106 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|---------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Bromide | 10.8 | mg/L | 1.11 | 11.1 | <0.0437 | 97 | 92.8 - 106 | 1 | 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: 192753

QC Batch: 58950 Date Analyzed: 2009-04-16 Analyzed By: JR
Prep Batch: 50322 QC Preparation: 2009-04-16 Prepared By: JR

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|----------|--------------|-------|------|-----------------|------------------|------|---------------|
| Chloride | 54.9 | mg/L | 1.11 | 55.6 | 3.85 | 92 | 87.3 - 103 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|----------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Chloride | 54.9 | mg/L | 1.11 | 55.6 | 3.85 | 92 | 87.3 - 103 | 0 | 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: 192753

QC Batch: 58950 Date Analyzed: 2009-04-16 Analyzed By: JR
Prep Batch: 50322 QC Preparation: 2009-04-16 Prepared By: JR

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|----------|--------------|-------|------|-----------------|------------------|------|---------------|
| Fluoride | 11.0 | mg/L | 1.11 | 11.1 | 0.33 | 96 | 92.3 - 102 |

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

| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|----------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Fluoride | 11.0 | mg/L | 1.11 | 11.1 | 0.33 | 96 | 92.3 - 102 | 0 | 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: 192753

QC Batch: 58950 Date Analyzed: 2009-04-16 Analyzed By: JR
Prep Batch: 50322 QC Preparation: 2009-04-16 Prepared By: JR

Standard (ICV-1)

QC Batch: 58472 Date Analyzed: 2009-04-10 Analyzed By: AH

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-----------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Ammonia-N | | mg/L | 5.00 | 4.87 | 97 | 85 - 115 | 2009-04-10 |

Standard (CCV-1)

QC Batch: 58472 Date Analyzed: 2009-04-10 Analyzed By: AH

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-----------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Ammonia-N | | mg/L | 5.00 | 4.65 | 93 | 85 - 115 | 2009-04-10 |

Standard (ICV-1)

QC Batch: 58473 Date Analyzed: 2009-04-10 Analyzed By: AH

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-----------------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Kjeldahl Nitrogen - N | | mg/L | 5.00 | 4.93 | 99 | 85 - 115 | 2009-04-10 |

Standard (CCV-1)

QC Batch: 58473 Date Analyzed: 2009-04-10 Analyzed By: AH

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-----------------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Kjeldahl Nitrogen - N | | mg/L | 5.00 | 4.76 | 95 | 85 - 115 | 2009-04-10 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Silver | | mg/L | 0.250 | 0.243 | 97 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Aluminum | | mg/L | 1.00 | 0.983 | 98 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Arsenic | | mg/L | 2.00 | 1.91 | 96 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Barium | | mg/L | 1.00 | 1.01 | 101 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Beryllium | | mg/L | 1.00 | 0.964 | 96 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Cadmium | | mg/L | 1.00 | 0.985 | 98 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Cobalt | | mg/L | 1.00 | 0.962 | 96 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Chromium | | mg/L | 1.00 | 1.01 | 101 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Copper | | mg/L | 1.00 | 0.985 | 98 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Iron | | mg/L | 1.00 | 1.00 | 100 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Manganese | | mg/L | 1.00 | 0.962 | 96 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Molybdenum | | mg/L | 1.00 | 0.971 | 97 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Nickel | | mg/L | 1.00 | 0.956 | 96 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Phosphorous | | mg/L | 5.00 | 4.73 | 95 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Lead | | mg/L | 2.00 | 1.92 | 96 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Antimony | | mg/L | 2.00 | 1.98 | 99 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Selenium | | mg/L | 1.00 | 0.962 | 96 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Thallium | | mg/L | 5.00 | 4.93 | 99 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Vanadium | | mg/L | 1.00 | 0.988 | 99 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Zinc | | mg/L | 1.00 | 1.03 | 103 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Silver | | mg/L | 0.125 | 0.125 | 100 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Aluminum | | mg/L | 1.00 | 1.00 | 100 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Arsenic | | mg/L | 1.00 | 1.03 | 103 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Barium | | mg/L | 1.00 | 1.02 | 102 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Beryllium | | mg/L | 1.00 | 1.00 | 100 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Cadmium | | mg/L | 1.00 | 1.00 | 100 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Cobalt | | mg/L | 1.00 | 1.02 | 102 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487

Date Analyzed: 2009-04-13

Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Chromium | | mg/L | 1.00 | 1.02 | 102 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487

Date Analyzed: 2009-04-13

Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Copper | | mg/L | 1.00 | 0.997 | 100 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487

Date Analyzed: 2009-04-13

Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Iron | | mg/L | 1.00 | 1.04 | 104 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487

Date Analyzed: 2009-04-13

Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Manganese | | mg/L | 1.00 | 1.01 | 101 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487

Date Analyzed: 2009-04-13

Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Molybdenum | | mg/L | 1.00 | 0.965 | 96 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Nickel | | mg/L | 1.00 | 0.994 | 99 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Phosphorous | | mg/L | 5.00 | 5.09 | 102 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Lead | | mg/L | 1.00 | 1.05 | 105 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Antimony | | mg/L | 1.00 | 0.994 | 99 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Selenium | | mg/L | 1.00 | 1.04 | 104 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Thallium | | mg/L | 1.00 | 1.02 | 102 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Vanadium | | mg/L | 1.00 | 1.01 | 101 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58487 Date Analyzed: 2009-04-13 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Zinc | | mg/L | 1.00 | 1.06 | 106 | 90 - 110 | 2009-04-13 |

Standard (ICV-1)

QC Batch: 58500 Date Analyzed: 2009-04-13 Analyzed By: TP

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Mercury | | mg/L | 0.00100 | 0.000952 | 95 | 90 - 110 | 2009-04-13 |

Standard (CCV-1)

QC Batch: 58500 Date Analyzed: 2009-04-13 Analyzed By: TP

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Cyanide | | mg/L | 0.120 | 0.113 | 94 | 85 - 115 | 2009-04-14 |

Standard (CCV-1)

QC Batch: 58582 Date Analyzed: 2009-04-14 Analyzed By: AH

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Cyanide | | mg/L | 0.120 | 0.117 | 98 | 85 - 115 | 2009-04-14 |

Standard (ICV-1)

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Calcium | | mg/L | 50.0 | 51.3 | 103 | 90 - 110 | 2009-04-15 |

Standard (ICV-1)

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Potassium | | mg/L | 50.0 | 51.1 | 102 | 90 - 110 | 2009-04-15 |

Standard (ICV-1)

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Magnesium | | mg/L | 50.0 | 51.5 | 103 | 90 - 110 | 2009-04-15 |

Standard (ICV-1)

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Sodium | | mg/L | 50.0 | 51.7 | 103 | 90 - 110 | 2009-04-15 |

Standard (CCV-1)

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Calcium | | mg/L | 50.0 | 46.8 | 94 | 90 - 110 | 2009-04-15 |

Standard (CCV-1)

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Potassium | | mg/L | 50.0 | 47.0 | 94 | 90 - 110 | 2009-04-15 |

Standard (CCV-1)

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Magnesium | | mg/L | 50.0 | 45.9 | 92 | 90 - 110 | 2009-04-15 |

Standard (CCV-1)

QC Batch: 58584 Date Analyzed: 2009-04-15 Analyzed By: RR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Sodium | | mg/L | 50.0 | 49.3 | 99 | 90 - 110 | 2009-04-15 |

Standard (CCV-1)

QC Batch: 58615 Date Analyzed: 2009-04-16 Analyzed By: MN

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Phenol | | mg/L | 60.0 | 63.8 | 106 | 80 - 120 | 2009-04-16 |
| 1,4-Dichlorobenzene (para) | | mg/L | 60.0 | 60.2 | 100 | 80 - 120 | 2009-04-16 |
| 2-Nitrophenol | | mg/L | 60.0 | 70.7 | 118 | 80 - 120 | 2009-04-16 |
| 2,4-Dichlorophenol | | mg/L | 60.0 | 57.6 | 96 | 80 - 120 | 2009-04-16 |
| Hexachlorobutadiene | | mg/L | 60.0 | 56.6 | 94 | 80 - 120 | 2009-04-16 |
| 4-Chloro-3-methylphenol | | mg/L | 60.0 | 59.6 | 99 | 80 - 120 | 2009-04-16 |
| 2,4,6-Trichlorophenol | | mg/L | 60.0 | 63.0 | 105 | 80 - 120 | 2009-04-16 |
| Acenaphthene | | mg/L | 60.0 | 60.3 | 100 | 80 - 120 | 2009-04-16 |
| Diphenylamine | | mg/L | 60.0 | 60.8 | 101 | 80 - 120 | 2009-04-16 |
| Pentachlorophenol | | mg/L | 60.0 | 55.8 | 93 | 80 - 120 | 2009-04-16 |
| Fluoranthene | | mg/L | 60.0 | 57.4 | 96 | 80 - 120 | 2009-04-16 |
| Di-n-octylphthalate | | mg/L | 60.0 | 57.2 | 95 | 80 - 120 | 2009-04-16 |
| Benzo(a)pyrene | | mg/L | 60.0 | 60.2 | 100 | 80 - 120 | 2009-04-16 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limit |
|----------------------|------|--------|-------|----------|-----------------|---------------------|-------------------|
| 2-Fluorophenol | | 62.5 | mg/L | 1 | 60.0 | 104 | 80 - 120 |
| Phenol-d5 | | 61.2 | mg/L | 1 | 60.0 | 102 | 80 - 120 |
| Nitrobenzene-d5 | | 63.1 | mg/L | 1 | 60.0 | 105 | 80 - 120 |
| 2-Fluorobiphenyl | | 56.9 | mg/L | 1 | 60.0 | 95 | 80 - 120 |
| 2,4,6-Tribromophenol | | 56.2 | mg/L | 1 | 60.0 | 94 | 80 - 120 |
| Terphenyl-d14 | | 57.6 | mg/L | 1 | 60.0 | 96 | 80 - 120 |

Standard (ICV-1)

QC Batch: 58648

Date Analyzed: 2009-04-16

Analyzed By: RD

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|------------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Dissolved Solids | | mg/L | 1000 | 974.0 | 97 | 90 - 110 | 2009-04-16 |

Standard (CCV-1)

QC Batch: 58648

Date Analyzed: 2009-04-16

Analyzed By: RD

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|------------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Dissolved Solids | | mg/L | 1000 | 981.0 | 98 | 90 - 110 | 2009-04-16 |

Standard (CCV-1)

QC Batch: 58671

Date Analyzed: 2009-04-09

Analyzed By: MD

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Hexavalent Chromium | | mg/L | 0.500 | 0.514 | 103 | 90 - 110 | 2009-04-09 |

Standard (CCV-2)

QC Batch: 58671 Date Analyzed: 2009-04-09 Analyzed By: MD

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Hexavalent Chromium | | mg/L | 0.500 | 0.513 | 103 | 90 - 110 | 2009-04-09 |

Standard (CCV-1)

QC Batch: 58713 Date Analyzed: 2009-04-20 Analyzed By: KV

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Organic Carbon | | mg/L | 50.0 | 48.8 | 98 | 80 - 120 | 2009-04-20 |

Standard (CCV-2)

QC Batch: 58713 Date Analyzed: 2009-04-20 Analyzed By: KV

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Total Organic Carbon | | mg/L | 50.0 | 48.3 | 97 | 80 - 120 | 2009-04-20 |

Standard (ICV-1)

QC Batch: 58761 Date Analyzed: 2009-04-20 Analyzed By: JG

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|------------------------|------|---------------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Hydroxide Alkalinity | | mg/L as CaCo3 | 0.00 | <1.00 | | 90 - 110 | 2009-04-20 |
| Carbonate Alkalinity | | mg/L as CaCo3 | 0.00 | 240 | | 90 - 110 | 2009-04-20 |
| Bicarbonate Alkalinity | | mg/L as CaCo3 | 0.00 | 6.00 | | 90 - 110 | 2009-04-20 |
| Total Alkalinity | | mg/L as CaCo3 | 250 | 246 | 98 | 90 - 110 | 2009-04-20 |

Standard (CCV-1)

QC Batch: 58761 Date Analyzed: 2009-04-20 Analyzed By: JG

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|------------------------|------|---------------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Hydroxide Alkalinity | | mg/L as CaCo3 | 0.00 | <1.00 | | 90 - 110 | 2009-04-20 |
| Carbonate Alkalinity | | mg/L as CaCo3 | 0.00 | 244 | | 90 - 110 | 2009-04-20 |
| Bicarbonate Alkalinity | | mg/L as CaCo3 | 0.00 | 4.00 | | 90 - 110 | 2009-04-20 |
| Total Alkalinity | | mg/L as CaCo3 | 250 | 248 | 99 | 90 - 110 | 2009-04-20 |

Standard (ICV-1)

QC Batch: 58776

Date Analyzed: 2009-04-17

Analyzed By: KV

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Nitrate and Nitrite as N | | mg/L | 0.200 | 0.194 | 97 | 85 - 115 | 2009-04-17 |

Standard (CCV-1)

QC Batch: 58776

Date Analyzed: 2009-04-17

Analyzed By: KV

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Nitrate and Nitrite as N | | mg/L | 0.200 | 0.211 | 106 | 85 - 115 | 2009-04-17 |

Standard (CCV-1)

QC Batch: 58950

Date Analyzed: 2009-04-16

Analyzed By: JR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Bromide | | mg/L | 5.00 | 4.76 | 95 | 90 - 110 | 2009-04-16 |

Standard (CCV-1)

QC Batch: 58950

Date Analyzed: 2009-04-16

Analyzed By: JR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Chloride | | mg/L | 25.0 | 23.6 | 94 | 90 - 110 | 2009-04-16 |

Standard (CCV-1)

QC Batch: 58950

Date Analyzed: 2009-04-16

Analyzed By: JR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Fluoride | | mg/L | 5.00 | 4.79 | 96 | 90 - 110 | 2009-04-16 |

Standard (CCV-1)

QC Batch: 58950 Date Analyzed: 2009-04-16 Analyzed By: JR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Sulfate | | mg/L | 25.0 | 23.3 | 93 | 90 - 110 | 2009-04-16 |

Standard (CCV-2)

QC Batch: 58950 Date Analyzed: 2009-04-16 Analyzed By: JR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Bromide | | mg/L | 5.00 | 4.82 | 96 | 90 - 110 | 2009-04-16 |

Standard (CCV-2)

QC Batch: 58950 Date Analyzed: 2009-04-16 Analyzed By: JR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Chloride | | mg/L | 25.0 | 24.0 | 96 | 90 - 110 | 2009-04-16 |

Standard (CCV-2)

QC Batch: 58950 Date Analyzed: 2009-04-16 Analyzed By: JR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|----------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Fluoride | | mg/L | 5.00 | 4.89 | 98 | 90 - 110 | 2009-04-16 |

Standard (CCV-2)

QC Batch: 58950 Date Analyzed: 2009-04-16 Analyzed By: JR

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|---------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Sulfate | | mg/L | 25.0 | 23.6 | 94 | 90 - 110 | 2009-04-16 |

Standard (ICV-1)

QC Batch: 59150

Date Analyzed: 2009-04-27

Analyzed By: DS

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-----------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| HMX | | µg/L | 500 | 494 | 99 | 85 - 115 | 2009-04-27 |
| RDX | | µg/L | 500 | 493 | 99 | 85 - 115 | 2009-04-27 |
| 1,3,5-Trinitrobenzene | | µg/L | 500 | 510 | 102 | 85 - 115 | 2009-04-27 |
| 1,3-Dinitrobenzene | | µg/L | 500 | 508 | 102 | 85 - 115 | 2009-04-27 |
| Nitrobenzene | | µg/L | 500 | 499 | 100 | 85 - 115 | 2009-04-27 |
| Tetryl | | µg/L | 500 | 475 | 95 | 85 - 115 | 2009-04-27 |
| TNT | | µg/L | 500 | 502 | 100 | 85 - 115 | 2009-04-27 |
| 4-Amino-DNT | | µg/L | 500 | 477 | 95 | 85 - 115 | 2009-04-27 |
| 2-Amino-DNT | | µg/L | 500 | 491 | 98 | 85 - 115 | 2009-04-27 |
| 2,6-DNT | | µg/L | 500 | 456 | 91 | 85 - 115 | 2009-04-27 |
| 2,4-DNT | | µg/L | 500 | 479 | 96 | 85 - 115 | 2009-04-27 |
| 2-NT | | µg/L | 500 | 551 | 110 | 85 - 115 | 2009-04-27 |
| 4-NT | | µg/L | 500 | 495 | 99 | 85 - 115 | 2009-04-27 |
| 3-NT | | µg/L | 500 | 440 | 88 | 85 - 115 | 2009-04-27 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limit |
|--------------------|------|--------|-------|----------|-----------------|---------------------|-------------------|
| 1,2-Dinitrobenzene | | 478 | µg/L | 1 | 500 | 96 | 85 - 115 |

Standard (CCV-1)

QC Batch: 59150

Date Analyzed: 2009-04-27

Analyzed By: DS

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-----------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| HMX | | µg/L | 500 | 451 | 90 | 85 - 115 | 2009-04-27 |
| RDX | | µg/L | 500 | 529 | 106 | 85 - 115 | 2009-04-27 |
| 1,3,5-Trinitrobenzene | | µg/L | 500 | 448 | 90 | 85 - 115 | 2009-04-27 |
| 1,3-Dinitrobenzene | | µg/L | 500 | 483 | 97 | 85 - 115 | 2009-04-27 |
| Nitrobenzene | | µg/L | 500 | 511 | 102 | 85 - 115 | 2009-04-27 |
| Tetryl | | µg/L | 500 | 429 | 86 | 85 - 115 | 2009-04-27 |
| TNT | | µg/L | 500 | 527 | 105 | 85 - 115 | 2009-04-27 |
| 4-Amino-DNT | | µg/L | 500 | 512 | 102 | 85 - 115 | 2009-04-27 |
| 2-Amino-DNT | | µg/L | 500 | 523 | 105 | 85 - 115 | 2009-04-27 |
| 2,6-DNT | | µg/L | 500 | 441 | 88 | 85 - 115 | 2009-04-27 |
| 2,4-DNT | | µg/L | 500 | 512 | 102 | 85 - 115 | 2009-04-27 |

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| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-------|------|-----------------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| 2-NT | | $\mu\text{g/L}$ | 500 | 486 | 97 | 85 - 115 | 2009-04-27 |
| 4-NT | | $\mu\text{g/L}$ | 500 | 444 | 89 | 85 - 115 | 2009-04-27 |
| 3-NT | | $\mu\text{g/L}$ | 500 | 538 | 108 | 85 - 115 | 2009-04-27 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limit |
|--------------------|------|--------|-----------------|----------|-----------------|---------------------|-------------------|
| 1,2-Dinitrobenzene | | 491 | $\mu\text{g/L}$ | 1 | 500 | 98 | 85 - 115 |

