TestAmerica
ANALYTICAL TESTING CORPORATION
602 Commerce Drive Watertown, WI 53094 * 800-833-7036 * Fax 920-261-8120

August 24, 2005

Client: WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606

Attn: Heidi Gorrill

Work Order: WOH0783
Project Name: Watertown Tire Fire Soil/Sediment RUSH
Project Number: Watertown Tire Fire
Site/Location ID: Yes
Date Received: 08/22/05

An executed copy of the chain of custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-833-7036

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| WTF082105SED01 | WOH0783-01 | 08/21/05 15:30 |
| WTF082105SED02 | WOH0783-02 | 08/21/05 15:45 |
| WTF082105SED03 | WOH0783-03 | 08/21/05 16:00 |

SW 8270C analysis performed at Lab ID: 999917160

Samples were received into laboratory on ice.

Wisconsin Certification Number: 128053530, DATCP #266

*Unless subcontracted, volatiles analyses (including VOC, PVOC, GRO, BTEX, and TPH gasoline) performed by TestAmerica Watertown at 1101 Industrial Drive, Units 9&10. All other analyses performed at the address shown in the heading of this report.*

Approved By:

**TestAmerica Analytical - Watertown**
Brian DeJong For Dan F. Milewsky
Project Manager

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | MRL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: WOH0783-01 (WTF082105SED01 - Sediment)** | | | | | | **Sampled: 08/21/05 15:30** | | | |
| General Chemistry Parameters | | | | | | | | | |
| **% Solids** | **55** | | % | NA | 1 | 08/22/05 23:59 | aad | 5080721 | SW 5035 |
| **pH** | **7.3** | | pH Units | NA | 1 | 08/23/05 12:07 | kls | 5080743 | SW 9045C |
| Metals | | | | | | | | | |
| **Aluminum** | **8600** | B | mg/kg dry | 1.3 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| Antimony | <2.0 | | mg/kg dry | 1.1 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| Arsenic | <4.0 | | mg/kg dry | 2.2 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Barium** | **80** | | mg/kg dry | 0.11 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Beryllium** | **0.46** | | mg/kg dry | 0.011 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Cadmium** | **0.48** | | mg/kg dry | 0.10 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Chromium** | **17** | | mg/kg dry | 0.18 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Cobalt** | **6.7** | | mg/kg dry | 0.55 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Copper** | **18** | | mg/kg dry | 1.6 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Iron** | **16000** | | mg/kg dry | 1.3 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Lead** | **8.3** | | mg/kg dry | 1.2 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Magnesium** | **15000** | | mg/kg dry | 1.2 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Manganese** | **240** | B | mg/kg dry | 0.080 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Mercury** | **0.043** | | mg/kg dry | 0.0100 | 1 | 08/23/05 17:45 | HG | 5080741 | EPA 245.5 |
| **Nickel** | **15** | | mg/kg dry | 0.35 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Potassium** | **1100** | | mg/kg dry | 1.7 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Selenium** | **15** | B | mg/kg dry | 4.0 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Silver** | **0.31** | | mg/kg dry | 0.11 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Sodium** | **200** | B | mg/kg dry | 0.88 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| Thallium | <5.8 | | mg/kg dry | 3.2 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Vanadium** | **33** | | mg/kg dry | 0.13 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| **Zinc** | **58** | B | mg/kg dry | 0.24 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| Total Metals per EPA 6000 Series Methods | | | | | | | | | |
| **Calcium** | **30000** | B | mg/kg dry | 1.2 | 1 | 08/23/05 14:53 | ICP | 5080749 | SW 6010B |
| VOCs by SW8260B | | | | | | | | | |
| Benzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Bromobenzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Bromochloromethane | <64 | | ug/kg dry | 35 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Bromodichloromethane | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Bromoform | <45 | L1, R2 | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Bromomethane | <180 | C9, R2 | ug/kg dry | 100 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| n-Butylbenzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| sec-Butylbenzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| tert-Butylbenzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Carbon Tetrachloride | <45 | L2, R2 | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Chlorobenzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Chlorodibromomethane | <45 | L1 | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Chloroethane | <91 | C9, R2 | ug/kg dry | 50 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Chloroform | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Chloromethane | <91 | L1, R2 | ug/kg dry | 50 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 2-Chlorotoluene | <91 | | ug/kg dry | 50 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 4-Chlorotoluene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,2-Dibromo-3-chloropropane | <91 | | ug/kg dry | 50 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,2-Dibromoethane (EDB) | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Dibromomethane | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,2-Dichlorobenzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |

WESTON SOLUTIONS
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Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

| Analyte | Sample Result | Data Qualifiers | Units | MRL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: WOH0783-01 (WTF082105SED01 - Sediment) - cont.** | | | | | | **Sampled: 08/21/05 15:30** | | | |
| VOCs by SW8260B - cont. | | | | | | | | | |
| 1,3-Dichlorobenzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,4-Dichlorobenzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Dichlorodifluoromethane | <91 | C, L1, R2 | ug/kg dry | 50 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,1-Dichloroethane | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,2-Dichloroethane | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,1-Dichloroethene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| cis-1,2-Dichloroethene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| trans-1,2-Dichloroethene | <45 | L2, R2 | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,2-Dichloropropane | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,3-Dichloropropane | <45 | L1, R2 | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 2,2-Dichloropropane | <45 | L2, R2 | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,1-Dichloropropene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| cis-1,3-Dichloropropene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| trans-1,3-Dichloropropene | <45 | L1 | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 2,3-Dichloropropene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Isopropyl Ether | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Ethylbenzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Hexachlorobutadiene | <64 | | ug/kg dry | 35 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Isopropylbenzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| p-Isopropyltoluene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Methylene Chloride | <91 | | ug/kg dry | 50 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Methyl tert-Butyl Ether | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Naphthalene | <91 | | ug/kg dry | 50 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| n-Propylbenzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Styrene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,1,1,2-Tetrachloroethane | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,1,2,2-Tetrachloroethane | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Tetrachloroethene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Toluene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,2,3-Trichlorobenzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,2,4-Trichlorobenzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,1,1-Trichloroethane | <45 | R2 | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,1,2-Trichloroethane | <64 | L1, R2 | ug/kg dry | 35 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Trichloroethene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Trichlorofluoromethane | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,2,3-Trichloropropane | <91 | | ug/kg dry | 50 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,2,4-Trimethylbenzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| 1,3,5-Trimethylbenzene | <45 | | ug/kg dry | 25 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Vinyl chloride | <64 | | ug/kg dry | 35 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| Xylenes, total | <150 | | ug/kg dry | 85 | 1 | 08/23/05 19:22 | aba | 5080685 | SW 8260B |
| *Surr: Dibromofluoromethane (82-112%)* | *94 %* | | | | | | | | |
| *Surr: Toluene-d8 (91-106%)* | *91 %* | | | | | | | | |
| *Surr: 4-Bromofluorobenzene (89-110%)* | *106 %* | | | | | | | | |
| Semivolatile Organic Compounds by EPA Method 8270C | | | | | | | | | |
| Acenaphthene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Acenaphthylene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Aniline | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Anthracene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Benzidine | <3640 | | ug/kg dry | 2000 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Benzoic acid | <909 | | ug/kg dry | 500 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Benz (a) anthracene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |

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Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

**Sample ID: WOH0783-01 (WTF082105SED01 - Sediment) - cont.** **Sampled: 08/21/05 15:30**

Semivolatile Organic Compounds by EPA Method 8270C - cont.

| Analyte | Sample Result | Data Qualifiers | Units | MRL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| Benzo (a) pyrene | <105 | | ug/kg dry | 58.0 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Benzo (b) fluoranthene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Benzo (ghi) perylene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Benzo (k) fluoranthene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Benzyl alcohol | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Bis(2-chloroethoxy)methane | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Bis(2-chloroethyl)ether | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Bis(2-chloroisopropyl)ether | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Bis(2-ethylhexyl)phthalate | <600 | | ug/kg dry | 330 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 4-Bromophenyl phenyl ether | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Butyl benzyl phthalate | <600 | | ug/kg dry | 330 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Carbazole | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 4-Chloroaniline | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 4-Chloro-3-methylphenol | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 2-Chloronaphthalene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 2-Chlorophenol | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 4-Chlorophenyl phenyl ether | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Chrysene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Dibenz (a,h) anthracene | <105 | | ug/kg dry | 58.0 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Dibenzofuran | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 1,2-Dichlorobenzene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 1,3-Dichlorobenzene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 1,4-Dichlorobenzene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 3,3´-Dichlorobenzidine | <909 | | ug/kg dry | 500 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 2,4-Dichlorophenol | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Diethyl phthalate | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 2,4-Dimethylphenol | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Dimethyl phthalate | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Di-n-butyl phthalate | <600 | | ug/kg dry | 330 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 4,6-Dinitro-2-methylphenol | <909 | | ug/kg dry | 500 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 2,4-Dinitrophenol | <909 | | ug/kg dry | 500 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 2,4-Dinitrotoluene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 2,6-Dinitrotoluene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Di-n-octyl phthalate | <600 | | ug/kg dry | 330 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 1,2-Diphenylhydrazine | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Fluoranthene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Fluorene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Hexachlorobenzene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Hexachlorobutadiene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Hexachlorocyclopentadiene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Hexachloroethane | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Indeno (1,2,3-cd) pyrene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Isophorone | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 2-Methylnaphthalene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| o-Cresol | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| m,p-Cresols | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Naphthalene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 2-Nitroaniline | <909 | | ug/kg dry | 500 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 3-Nitroaniline | <909 | | ug/kg dry | 500 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 4-Nitroaniline | <909 | | ug/kg dry | 500 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Nitrobenzene | <127 | | ug/kg dry | 70.0 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |

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Received: 08/22/05
Reported: 08/24/05 13:41

| Analyte | Sample Result | Data Qualifiers | Units | MRL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: WOH0783-01 (WTF082105SED01 - Sediment) - cont.** | | | | | | **Sampled: 08/21/05 15:30** | | | |
| Semivolatile Organic Compounds by EPA Method 8270C - cont. | | | | | | | | | |
| 2-Nitrophenol | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 4-Nitrophenol | <909 | | ug/kg dry | 500 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| N-Nitrosodimethylamine | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| N-Nitrosodi-n-propylamine | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| N-Nitrosodiphenylamine | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Pentachlorophenol | <909 | | ug/kg dry | 500 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Phenanthrene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Phenol | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Pyrene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| Pyridine | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 1,2,4-Trichlorobenzene | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 2,4,5-Trichlorophenol | <909 | | ug/kg dry | 500 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| 2,4,6-Trichlorophenol | <182 | | ug/kg dry | 100 | 0.971 | 08/23/05 14:48 | pm | 5080479 | EPA 8270C |
| *Surr: 2-Fluorophenol (10-136%)* | *80.0 %* | | | | | | | | |
| *Surr: Phenol-d6 (10-136%)* | *88.4 %* | | | | | | | | |
| *Surr: Nitrobenzene-d5 (10-135%)* | *77.4 %* | | | | | | | | |
| *Surr: 2-Fluorobiphenyl (10-129%)* | *85.8 %* | | | | | | | | |
| *Surr: 2,4,6-Tribromophenol (10-132%)* | *99.0 %* | | | | | | | | |
| *Surr: p-Terphenyl-d14 (10-148%)* | *103 %* | | | | | | | | |
| Percent Solids | | | | | | | | | |
| **% Solids** | **55.0** | | % | 0.20 | 1 | 08/24/05 13:04 | mk | 5080074 | EPA 5035 7.5 |
| **Sample ID: WOH0783-02 (WTF082105SED02 - Sediment)** | | | | | | **Sampled: 08/21/05 15:45** | | | |
| General Chemistry Parameters | | | | | | | | | |
| **% Solids** | **60** | | % | NA | 1 | 08/22/05 23:59 | aad | 5080721 | SW 5035 |
| **pH** | **7.1** | | pH Units | NA | 1 | 08/23/05 12:07 | kls | 5080743 | SW 9045C |
| Metals | | | | | | | | | |
| **Aluminum** | **6300** | B | mg/kg dry | 1.3 | 1 | 08/23/05 14:58 | ICP | 5080749 | SW 6010B |
| Antimony | <1.8 | | mg/kg dry | 1.1 | 1 | 08/23/05 14:59 | ICP | 5080749 | SW 6010B |
| Arsenic | <3.6 | | mg/kg dry | 2.2 | 1 | 08/23/05 14:59 | ICP | 5080749 | SW 6010B |
| **Barium** | **83** | | mg/kg dry | 0.11 | 1 | 08/23/05 14:59 | ICP | 5080749 | SW 6010B |
| **Beryllium** | **0.40** | | mg/kg dry | 0.011 | 1 | 08/23/05 14:58 | ICP | 5080749 | SW 6010B |
| **Cadmium** | **0.23** | | mg/kg dry | 0.10 | 1 | 08/23/05 14:59 | ICP | 5080749 | SW 6010B |
| **Chromium** | **12** | | mg/kg dry | 0.18 | 1 | 08/23/05 14:59 | ICP | 5080749 | SW 6010B |
| **Cobalt** | **6.9** | | mg/kg dry | 0.55 | 1 | 08/23/05 14:59 | ICP | 5080749 | SW 6010B |
| **Copper** | **13** | | mg/kg dry | 1.6 | 1 | 08/23/05 14:58 | ICP | 5080749 | SW 6010B |
| **Iron** | **11000** | | mg/kg dry | 1.3 | 1 | 08/23/05 14:58 | ICP | 5080749 | SW 6010B |
| **Lead** | **7.6** | | mg/kg dry | 1.2 | 1 | 08/23/05 14:59 | ICP | 5080749 | SW 6010B |
| **Magnesium** | **4400** | | mg/kg dry | 1.2 | 1 | 08/23/05 14:58 | ICP | 5080749 | SW 6010B |
| **Manganese** | **350** | B | mg/kg dry | 0.080 | 1 | 08/23/05 14:58 | ICP | 5080749 | SW 6010B |
| **Mercury** | **0.036** | | mg/kg dry | 0.0100 | 1 | 08/23/05 17:47 | HG | 5080741 | EPA 245.5 |
| **Nickel** | **11** | | mg/kg dry | 0.35 | 1 | 08/23/05 14:59 | ICP | 5080749 | SW 6010B |
| **Potassium** | **670** | | mg/kg dry | 1.7 | 1 | 08/23/05 14:58 | ICP | 5080749 | SW 6010B |
| **Selenium** | **17** | B | mg/kg dry | 4.0 | 1 | 08/23/05 14:59 | ICP | 5080749 | SW 6010B |
| **Silver** | **0.21** | | mg/kg dry | 0.11 | 1 | 08/23/05 14:59 | ICP | 5080749 | SW 6010B |
| **Sodium** | **140** | B | mg/kg dry | 0.88 | 1 | 08/23/05 14:58 | ICP | 5080749 | SW 6010B |
| Thallium | <5.3 | | mg/kg dry | 3.2 | 1 | 08/23/05 14:59 | ICP | 5080749 | SW 6010B |
| **Vanadium** | **22** | | mg/kg dry | 0.13 | 1 | 08/23/05 14:59 | ICP | 5080749 | SW 6010B |
| **Zinc** | **92** | B | mg/kg dry | 0.24 | 1 | 08/23/05 14:58 | ICP | 5080749 | SW 6010B |
| Total Metals per EPA 6000 Series Methods | | | | | | | | | |
| **Calcium** | **11000** | B | mg/kg dry | 1.2 | 1 | 08/23/05 14:58 | ICP | 5080749 | SW 6010B |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

**Sample ID: WOH0783-02 (WTF082105SED02 - Sediment) - cont.** **Sampled: 08/21/05 15:45**

VOCs by SW8260B

| Analyte | Sample Result | Data Qualifiers | Units | MRL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Bromobenzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Bromochloromethane | <58 | | ug/kg dry | 35 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Bromodichloromethane | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Bromoform | <41 | L1, R2 | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Bromomethane | <170 | C9, R2 | ug/kg dry | 100 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| n-Butylbenzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| sec-Butylbenzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| tert-Butylbenzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Carbon Tetrachloride | <41 | L2, R2 | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Chlorobenzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Chlorodibromomethane | <41 | L1 | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Chloroethane | <83 | C9, R2 | ug/kg dry | 50 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Chloroform | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Chloromethane | <83 | L1, R2 | ug/kg dry | 50 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 2-Chlorotoluene | <83 | | ug/kg dry | 50 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 4-Chlorotoluene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,2-Dibromo-3-chloropropane | <83 | | ug/kg dry | 50 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,2-Dibromoethane (EDB) | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Dibromomethane | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,2-Dichlorobenzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,3-Dichlorobenzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,4-Dichlorobenzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Dichlorodifluoromethane | <83 | C, L1, R2 | ug/kg dry | 50 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,1-Dichloroethane | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,2-Dichloroethane | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,1-Dichloroethene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| cis-1,2-Dichloroethene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| trans-1,2-Dichloroethene | <41 | L2, R2 | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,2-Dichloropropane | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,3-Dichloropropane | <41 | L1, R2 | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 2,2-Dichloropropane | <41 | L2, R2 | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,1-Dichloropropene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| cis-1,3-Dichloropropene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| trans-1,3-Dichloropropene | <41 | L1 | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 2,3-Dichloropropene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Isopropyl Ether | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Ethylbenzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Hexachlorobutadiene | <58 | | ug/kg dry | 35 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Isopropylbenzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| p-Isopropyltoluene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Methylene Chloride | <83 | | ug/kg dry | 50 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Methyl tert-Butyl Ether | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Naphthalene | <83 | | ug/kg dry | 50 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| n-Propylbenzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Styrene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,1,1,2-Tetrachloroethane | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,1,2,2-Tetrachloroethane | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Tetrachloroethene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Toluene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,2,3-Trichlorobenzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

| Analyte | Sample Result | Data Qualifiers | Units | MRL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: WOH0783-02 (WTF082105SED02 - Sediment) - cont.** | | | | | | **Sampled: 08/21/05 15:45** | | | |
| VOCs by SW8260B - cont. | | | | | | | | | |
| 1,2,4-Trichlorobenzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,1,1-Trichloroethane | <41 | R2 | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,1,2-Trichloroethane | <58 | L1, R2 | ug/kg dry | 35 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Trichloroethene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Trichlorofluoromethane | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,2,3-Trichloropropane | <83 | | ug/kg dry | 50 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,2,4-Trimethylbenzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| 1,3,5-Trimethylbenzene | <41 | | ug/kg dry | 25 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Vinyl chloride | <58 | | ug/kg dry | 35 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| Xylenes, total | <140 | | ug/kg dry | 85 | 1 | 08/23/05 19:51 | aba | 5080685 | SW 8260B |
| *Surr: Dibromofluoromethane (82-112%)* | *92 %* | | | | | | | | |
| *Surr: Toluene-d8 (91-106%)* | *88 %* | *Z6* | | | | | | | |
| *Surr: 4-Bromofluorobenzene (89-110%)* | *109 %* | | | | | | | | |
| Semivolatile Organic Compounds by EPA Method 8270C | | | | | | | | | |
| Acenaphthene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Acenaphthylene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Aniline | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Anthracene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Benzidine | <3330 | | ug/kg dry | 2000 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Benzoic acid | <833 | | ug/kg dry | 500 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Benz (a) anthracene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Benzo (a) pyrene | <96.7 | | ug/kg dry | 58.0 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Benzo (b) fluoranthene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Benzo (ghi) perylene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Benzo (k) fluoranthene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Benzyl alcohol | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Bis(2-chloroethoxy)methane | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Bis(2-chloroethyl)ether | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Bis(2-chloroisopropyl)ether | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Bis(2-ethylhexyl)phthalate | <550 | | ug/kg dry | 330 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 4-Bromophenyl phenyl ether | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Butyl benzyl phthalate | <550 | | ug/kg dry | 330 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Carbazole | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 4-Chloroaniline | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 4-Chloro-3-methylphenol | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 2-Chloronaphthalene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 2-Chlorophenol | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 4-Chlorophenyl phenyl ether | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Chrysene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Dibenz (a,h) anthracene | <96.7 | | ug/kg dry | 58.0 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Dibenzofuran | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 1,2-Dichlorobenzene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 1,3-Dichlorobenzene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 1,4-Dichlorobenzene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 3,3´-Dichlorobenzidine | <833 | | ug/kg dry | 500 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 2,4-Dichlorophenol | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Diethyl phthalate | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 2,4-Dimethylphenol | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Dimethyl phthalate | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Di-n-butyl phthalate | <550 | | ug/kg dry | 330 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 4,6-Dinitro-2-methylphenol | <833 | | ug/kg dry | 500 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

| Analyte | Sample Result | Data Qualifiers | Units | MRL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: WOH0783-02 (WTF082105SED02 - Sediment) - cont.** | | | | | | **Sampled: 08/21/05 15:45** | | | |
| Semivolatile Organic Compounds by EPA Method 8270C - cont. | | | | | | | | | |
| 2,4-Dinitrophenol | <833 | | ug/kg dry | 500 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 2,4-Dinitrotoluene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 2,6-Dinitrotoluene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Di-n-octyl phthalate | <550 | | ug/kg dry | 330 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 1,2-Diphenylhydrazine | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Fluoranthene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Fluorene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Hexachlorobenzene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Hexachlorobutadiene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Hexachlorocyclopentadiene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Hexachloroethane | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Indeno (1,2,3-cd) pyrene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Isophorone | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 2-Methylnaphthalene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| o-Cresol | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| **m,p-Cresols** | **520** | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Naphthalene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 2-Nitroaniline | <833 | | ug/kg dry | 500 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 3-Nitroaniline | <833 | | ug/kg dry | 500 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 4-Nitroaniline | <833 | | ug/kg dry | 500 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Nitrobenzene | <117 | | ug/kg dry | 70.0 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 2-Nitrophenol | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 4-Nitrophenol | <833 | | ug/kg dry | 500 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| N-Nitrosodimethylamine | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| N-Nitrosodi-n-propylamine | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| N-Nitrosodiphenylamine | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Pentachlorophenol | <833 | | ug/kg dry | 500 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Phenanthrene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Phenol | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Pyrene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| Pyridine | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 1,2,4-Trichlorobenzene | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 2,4,5-Trichlorophenol | <833 | | ug/kg dry | 500 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| 2,4,6-Trichlorophenol | <167 | | ug/kg dry | 100 | 1.02 | 08/23/05 15:18 | pm | 5080479 | EPA 8270C |
| *Surr: 2-Fluorophenol (10-136%)* | *85.9 %* | | | | | | | | |
| *Surr: Phenol-d6 (10-136%)* | *90.1 %* | | | | | | | | |
| *Surr: Nitrobenzene-d5 (10-135%)* | *78.2 %* | | | | | | | | |
| *Surr: 2-Fluorobiphenyl (10-129%)* | *85.2 %* | | | | | | | | |
| *Surr: 2,4,6-Tribromophenol (10-132%)* | *102 %* | | | | | | | | |
| *Surr: p-Terphenyl-d14 (10-148%)* | *102 %* | | | | | | | | |
| Percent Solids | | | | | | | | | |
| **% Solids** | **60.0** | | % | 0.20 | 1 | 08/24/05 13:04 | mk | 5080074 | EPA 5035 7.5 |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

| Analyte | Sample Result | Data Qualifiers | Units | MRL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: WOH0783-03 (WTF082105SED03 - Sediment)** | | | | | | **Sampled: 08/21/05 16:00** | | | |
| General Chemistry Parameters | | | | | | | | | |
| **% Solids** | **68** | | % | NA | 1 | 08/22/05 23:59 | aad | 5080721 | SW 5035 |
| **pH** | **7.5** | | pH Units | NA | 1 | 08/23/05 12:07 | kls | 5080743 | SW 9045C |
| Metals | | | | | | | | | |
| **Aluminum** | **6400** | B | mg/kg dry | 1.3 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| Antimony | <1.6 | | mg/kg dry | 1.1 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| Arsenic | <3.2 | | mg/kg dry | 2.2 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Barium** | **52** | | mg/kg dry | 0.11 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Beryllium** | **0.36** | | mg/kg dry | 0.011 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Cadmium** | **0.55** | | mg/kg dry | 0.10 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Chromium** | **13** | | mg/kg dry | 0.18 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Cobalt** | **5.2** | | mg/kg dry | 0.55 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Copper** | **13** | | mg/kg dry | 1.6 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Iron** | **13000** | | mg/kg dry | 1.3 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Lead** | **6.5** | | mg/kg dry | 1.2 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Magnesium** | **17000** | | mg/kg dry | 1.2 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Manganese** | **200** | B | mg/kg dry | 0.080 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Mercury** | **0.026** | | mg/kg dry | 0.0100 | 1 | 08/23/05 17:49 | HG | 5080741 | EPA 245.5 |
| **Nickel** | **9.8** | | mg/kg dry | 0.35 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Potassium** | **790** | | mg/kg dry | 1.7 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Selenium** | **7.9** | B | mg/kg dry | 4.0 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Silver** | **0.25** | | mg/kg dry | 0.11 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Sodium** | **240** | B | mg/kg dry | 0.88 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| Thallium | <4.7 | | mg/kg dry | 3.2 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Vanadium** | **27** | | mg/kg dry | 0.13 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| **Zinc** | **90** | B | mg/kg dry | 0.24 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| Total Metals per EPA 6000 Series Methods | | | | | | | | | |
| **Calcium** | **32000** | B | mg/kg dry | 1.2 | 1 | 08/23/05 15:15 | ICP | 5080749 | SW 6010B |
| VOCs by SW8260B | | | | | | | | | |
| Benzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Bromobenzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Bromochloromethane | <51 | | ug/kg dry | 35 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Bromodichloromethane | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Bromoform | <37 | L1, R2 | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Bromomethane | <150 | C9, R2 | ug/kg dry | 100 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| n-Butylbenzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| sec-Butylbenzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| tert-Butylbenzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Carbon Tetrachloride | <37 | L2, R2 | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Chlorobenzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Chlorodibromomethane | <37 | L1 | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Chloroethane | <73 | C9, R2 | ug/kg dry | 50 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Chloroform | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Chloromethane | <73 | L1, R2 | ug/kg dry | 50 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 2-Chlorotoluene | <73 | | ug/kg dry | 50 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 4-Chlorotoluene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,2-Dibromo-3-chloropropane | <73 | | ug/kg dry | 50 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,2-Dibromoethane (EDB) | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Dibromomethane | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,2-Dichlorobenzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,3-Dichlorobenzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,4-Dichlorobenzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

**Sample ID: WOH0783-03 (WTF082105SED03 - Sediment) - cont.** **Sampled: 08/21/05 16:00**

| Analyte | Sample Result | Data Qualifiers | Units | MRL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| VOCs by SW8260B - cont. | | | | | | | | | |
| Dichlorodifluoromethane | <73 | C, L1, R2 | ug/kg dry | 50 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,1-Dichloroethane | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,2-Dichloroethane | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,1-Dichloroethene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| cis-1,2-Dichloroethene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| trans-1,2-Dichloroethene | <37 | L2, R2 | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,2-Dichloropropane | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,3-Dichloropropane | <37 | L1, R2 | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 2,2-Dichloropropane | <37 | L2, R2 | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,1-Dichloropropene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| cis-1,3-Dichloropropene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| trans-1,3-Dichloropropene | <37 | L1 | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 2,3-Dichloropropene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Isopropyl Ether | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Ethylbenzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Hexachlorobutadiene | <51 | | ug/kg dry | 35 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Isopropylbenzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| p-Isopropyltoluene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Methylene Chloride | <73 | | ug/kg dry | 50 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Methyl tert-Butyl Ether | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Naphthalene | <73 | | ug/kg dry | 50 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| n-Propylbenzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Styrene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,1,1,2-Tetrachloroethane | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,1,2,2-Tetrachloroethane | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Tetrachloroethene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Toluene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,2,3-Trichlorobenzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,2,4-Trichlorobenzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,1,1-Trichloroethane | <37 | R2 | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,1,2-Trichloroethane | <51 | L1, R2 | ug/kg dry | 35 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Trichloroethene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Trichlorofluoromethane | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,2,3-Trichloropropane | <73 | | ug/kg dry | 50 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,2,4-Trimethylbenzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| 1,3,5-Trimethylbenzene | <37 | | ug/kg dry | 25 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Vinyl chloride | <51 | | ug/kg dry | 35 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| Xylenes, total | <120 | | ug/kg dry | 85 | 1 | 08/23/05 20:19 | aba | 5080685 | SW 8260B |
| *Surr: Dibromofluoromethane (82-112%)* | *90 %* | | | | | | | | |
| *Surr: Toluene-d8 (91-106%)* | *87 %* | *Z6* | | | | | | | |
| *Surr: 4-Bromofluorobenzene (89-110%)* | *106 %* | | | | | | | | |
| Semivolatile Organic Compounds by EPA Method 8270C | | | | | | | | | |
| Acenaphthene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Acenaphthylene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Aniline | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Anthracene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Benzidine | <2940 | | ug/kg dry | 2000 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Benzoic acid | <735 | | ug/kg dry | 500 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Benz (a) anthracene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Benzo (a) pyrene | <85.3 | | ug/kg dry | 58.0 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Benzo (b) fluoranthene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

**Sample ID: WOH0783-03 (WTF082105SED03 - Sediment) - cont.** **Sampled: 08/21/05 16:00**

Semivolatile Organic Compounds by EPA Method 8270C - cont.

| Analyte | Sample Result | Data Qualifiers | Units | MRL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| Benzo (ghi) perylene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Benzo (k) fluoranthene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Benzyl alcohol | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Bis(2-chloroethoxy)methane | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Bis(2-chloroethyl)ether | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Bis(2-chloroisopropyl)ether | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Bis(2-ethylhexyl)phthalate | <485 | | ug/kg dry | 330 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 4-Bromophenyl phenyl ether | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Butyl benzyl phthalate | <485 | | ug/kg dry | 330 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Carbazole | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 4-Chloroaniline | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 4-Chloro-3-methylphenol | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 2-Chloronaphthalene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 2-Chlorophenol | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 4-Chlorophenyl phenyl ether | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Chrysene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Dibenz (a,h) anthracene | <85.3 | | ug/kg dry | 58.0 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Dibenzofuran | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 1,2-Dichlorobenzene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 1,3-Dichlorobenzene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 1,4-Dichlorobenzene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 3,3´-Dichlorobenzidine | <735 | | ug/kg dry | 500 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 2,4-Dichlorophenol | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Diethyl phthalate | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 2,4-Dimethylphenol | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Dimethyl phthalate | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Di-n-butyl phthalate | <485 | | ug/kg dry | 330 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 4,6-Dinitro-2-methylphenol | <735 | | ug/kg dry | 500 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 2,4-Dinitrophenol | <735 | | ug/kg dry | 500 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 2,4-Dinitrotoluene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 2,6-Dinitrotoluene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Di-n-octyl phthalate | <485 | | ug/kg dry | 330 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 1,2-Diphenylhydrazine | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Fluoranthene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Fluorene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Hexachlorobenzene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Hexachlorobutadiene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Hexachlorocyclopentadiene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Hexachloroethane | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Indeno (1,2,3-cd) pyrene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Isophorone | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 2-Methylnaphthalene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| o-Cresol | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| m,p-Cresols | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Naphthalene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 2-Nitroaniline | <735 | | ug/kg dry | 500 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 3-Nitroaniline | <735 | | ug/kg dry | 500 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 4-Nitroaniline | <735 | | ug/kg dry | 500 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Nitrobenzene | <103 | | ug/kg dry | 70.0 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 2-Nitrophenol | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 4-Nitrophenol | <735 | | ug/kg dry | 500 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |

WESTON SOLUTIONS
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Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

| Analyte | Sample Result | Data Qualifiers | Units | MRL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: WOH0783-03 (WTF082105SED03 - Sediment) - cont.** | | | | | | **Sampled: 08/21/05 16:00** | | | |
| Semivolatile Organic Compounds by EPA Method 8270C - cont. | | | | | | | | | |
| N-Nitrosodimethylamine | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| N-Nitrosodi-n-propylamine | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| N-Nitrosodiphenylamine | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Pentachlorophenol | <735 | | ug/kg dry | 500 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Phenanthrene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Phenol | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Pyrene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| Pyridine | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 1,2,4-Trichlorobenzene | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 2,4,5-Trichlorophenol | <735 | | ug/kg dry | 500 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| 2,4,6-Trichlorophenol | <147 | | ug/kg dry | 100 | 0.92 | 08/23/05 14:17 | pm | 5080479 | EPA 8270C |
| *Surr: 2-Fluorophenol (10-136%)* | *72.1 %* | | | | | | | | |
| *Surr: Phenol-d6 (10-136%)* | *80.9 %* | | | | | | | | |
| *Surr: Nitrobenzene-d5 (10-135%)* | *70.4 %* | | | | | | | | |
| *Surr: 2-Fluorobiphenyl (10-129%)* | *78.2 %* | | | | | | | | |
| *Surr: 2,4,6-Tribromophenol (10-132%)* | *84.1 %* | | | | | | | | |
| *Surr: p-Terphenyl-d14 (10-148%)* | *92.0 %* | | | | | | | | |
| Percent Solids | | | | | | | | | |
| **% Solids** | **68.0** | | % | 0.20 | 1 | 08/24/05 13:04 | mk | 5080074 | EPA 5035 7.5 |

WESTON SOLUTIONS
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Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | | | | | | | |
| Mercury | 5080741 | | | mg/kg wet | N/A | 0.0100 | <0.010 | | | | | | | |
| Aluminum | 5080749 | | | mg/kg wet | N/A | 1.3 | 1.39 | | | | | | | B |
| Antimony | 5080749 | | | mg/kg wet | N/A | 1.1 | <1.1 | | | | | | | |
| Arsenic | 5080749 | | | mg/kg wet | N/A | 2.2 | <2.2 | | | | | | | |
| Barium | 5080749 | | | mg/kg wet | N/A | 0.11 | <0.11 | | | | | | | |
| Beryllium | 5080749 | | | mg/kg wet | N/A | 0.011 | <0.011 | | | | | | | |
| Cadmium | 5080749 | | | mg/kg wet | N/A | 0.10 | <0.10 | | | | | | | |
| Chromium | 5080749 | | | mg/kg wet | N/A | 0.18 | <0.18 | | | | | | | |
| Cobalt | 5080749 | | | mg/kg wet | N/A | 0.55 | <0.55 | | | | | | | |
| Copper | 5080749 | | | mg/kg wet | N/A | 1.6 | <1.6 | | | | | | | |
| Iron | 5080749 | | | mg/kg wet | N/A | 1.3 | <1.3 | | | | | | | |
| Lead | 5080749 | | | mg/kg wet | N/A | 1.2 | <1.2 | | | | | | | |
| Magnesium | 5080749 | | | mg/kg wet | N/A | 1.2 | <1.2 | | | | | | | |
| Manganese | 5080749 | | | mg/kg wet | N/A | 0.080 | 0.481 | | | | | | | B |
| Nickel | 5080749 | | | mg/kg wet | N/A | 0.35 | <0.35 | | | | | | | |
| Potassium | 5080749 | | | mg/kg wet | N/A | 1.7 | <1.7 | | | | | | | |
| Selenium | 5080749 | | | mg/kg wet | N/A | 4.0 | 8.04 | | | | | | | B |
| Silver | 5080749 | | | mg/kg wet | N/A | 0.11 | <0.11 | | | | | | | |
| Sodium | 5080749 | | | mg/kg wet | N/A | 0.88 | 75.1 | | | | | | | B |
| Thallium | 5080749 | | | mg/kg wet | N/A | 3.2 | <3.2 | | | | | | | |
| Vanadium | 5080749 | | | mg/kg wet | N/A | 0.13 | <0.13 | | | | | | | |
| Zinc | 5080749 | | | mg/kg wet | N/A | 0.24 | 0.352 | | | | | | | B |
| **Total Metals per EPA 6000 Series Methods** | | | | | | | | | | | | | | |
| Calcium | 5080749 | | | mg/kg wet | N/A | 1.2 | 12.7 | | | | | | | B |
| **VOCs by SW8260B** | | | | | | | | | | | | | | |
| Benzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Bromobenzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Bromochloromethane | 5080685 | | | ug/kg wet | N/A | 35 | <35 | | | | | | | |
| Bromodichloromethane | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Bromoform | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | L1,R2 |
| Bromomethane | 5080685 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | C9,R2 |
| n-Butylbenzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| sec-Butylbenzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| tert-Butylbenzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Carbon Tetrachloride | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | L2,R2 |
| Chlorobenzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Chlorodibromomethane | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | L1 |
| Chloroethane | 5080685 | | | ug/kg wet | N/A | 50 | <50 | | | | | | | C9,R2 |
| Chloroform | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Chloromethane | 5080685 | | | ug/kg wet | N/A | 50 | <50 | | | | | | | L1,R2 |
| 2-Chlorotoluene | 5080685 | | | ug/kg wet | N/A | 50 | <50 | | | | | | | |
| 4-Chlorotoluene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| 1,2-Dibromo-3-chloropropane | 5080685 | | | ug/kg wet | N/A | 50 | <50 | | | | | | | |
| 1,2-Dibromoethane (EDB) | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Dibromomethane | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| 1,2-Dichlorobenzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| 1,3-Dichlorobenzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |

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WESTON SOLUTIONS
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Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **VOCs by SW8260B** | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Dichlorodifluoromethane | 5080685 | | | ug/kg wet | N/A | 50 | <50 | | | | | | | C,L1,R2 |
| 1,1-Dichloroethane | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| 1,2-Dichloroethane | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| 1,1-Dichloroethene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| cis-1,2-Dichloroethene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| trans-1,2-Dichloroethene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | L2,R2 |
| 1,2-Dichloropropane | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| 1,3-Dichloropropane | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | L1,R2 |
| 2,2-Dichloropropane | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | L2,R2 |
| 1,1-Dichloropropene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| cis-1,3-Dichloropropene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| trans-1,3-Dichloropropene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | L1 |
| 2,3-Dichloropropene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Isopropyl Ether | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Ethylbenzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Hexachlorobutadiene | 5080685 | | | ug/kg wet | N/A | 35 | <35 | | | | | | | |
| Isopropylbenzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| p-Isopropyltoluene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Methylene Chloride | 5080685 | | | ug/kg wet | N/A | 50 | <50 | | | | | | | |
| Methyl tert-Butyl Ether | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Naphthalene | 5080685 | | | ug/kg wet | N/A | 50 | <50 | | | | | | | |
| n-Propylbenzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Styrene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| 1,1,2,2-Tetrachloroethane | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Tetrachloroethene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Toluene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| 1,2,3-Trichlorobenzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| 1,2,4-Trichlorobenzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| 1,1,1-Trichloroethane | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | R2 |
| 1,1,2-Trichloroethane | 5080685 | | | ug/kg wet | N/A | 35 | <35 | | | | | | | L1,R2 |
| Trichloroethene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Trichlorofluoromethane | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| 1,2,3-Trichloropropane | 5080685 | | | ug/kg wet | N/A | 50 | <50 | | | | | | | |
| 1,2,4-Trimethylbenzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| 1,3,5-Trimethylbenzene | 5080685 | | | ug/kg wet | N/A | 25 | <25 | | | | | | | |
| Vinyl chloride | 5080685 | | | ug/kg wet | N/A | 35 | <35 | | | | | | | |
| Xylenes, total | 5080685 | | | ug/kg wet | N/A | 85 | <85 | | | | | | | |
| *Surrogate: Dibromofluoromethane* | *5080685* | | | ug/kg wet | | | | | *96* | | *82-112* | | | |
| *Surrogate: Toluene-d8* | *5080685* | | | ug/kg wet | | | | | *93* | | *91-106* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *5080685* | | | ug/kg wet | | | | | *100* | | *89-110* | | | |

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WESTON SOLUTIONS
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Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by EPA Method 8270C** | | | | | | | | | | | | | | |
| Acenaphthene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Acenaphthylene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Aniline | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Anthracene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Benzidine | 5080479 | | | ug/kg wet | N/A | 2000 | <2000 | | | | | | | O2 |
| Benzoic acid | 5080479 | | | ug/kg wet | N/A | 500 | <500 | | | | | | | O2 |
| Benz (a) anthracene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Benzo (a) pyrene | 5080479 | | | ug/kg wet | N/A | 58.0 | <58.0 | | | | | | | O2 |
| Benzo (b) fluoranthene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Benzo (ghi) perylene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Benzo (k) fluoranthene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Benzyl alcohol | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Bis(2-chloroethoxy)methane | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Bis(2-chloroethyl)ether | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Bis(2-chloroisopropyl)ether | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Bis(2-ethylhexyl)phthalate | 5080479 | | | ug/kg wet | N/A | 330 | <330 | | | | | | | O2 |
| 4-Bromophenyl phenyl ether | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Butyl benzyl phthalate | 5080479 | | | ug/kg wet | N/A | 330 | <330 | | | | | | | O2 |
| Carbazole | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 4-Chloroaniline | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 4-Chloro-3-methylphenol | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 2-Chloronaphthalene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 2-Chlorophenol | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 4-Chlorophenyl phenyl ether | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Chrysene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Dibenz (a,h) anthracene | 5080479 | | | ug/kg wet | N/A | 58.0 | <58.0 | | | | | | | O2 |
| Dibenzofuran | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 1,2-Dichlorobenzene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 1,3-Dichlorobenzene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 1,4-Dichlorobenzene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 3,3´-Dichlorobenzidine | 5080479 | | | ug/kg wet | N/A | 500 | <500 | | | | | | | O2 |
| 2,4-Dichlorophenol | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Diethyl phthalate | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 2,4-Dimethylphenol | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Dimethyl phthalate | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Di-n-butyl phthalate | 5080479 | | | ug/kg wet | N/A | 330 | <330 | | | | | | | O2 |
| 4,6-Dinitro-2-methylphenol | 5080479 | | | ug/kg wet | N/A | 500 | <500 | | | | | | | O2 |
| 2,4-Dinitrophenol | 5080479 | | | ug/kg wet | N/A | 500 | <500 | | | | | | | O2 |
| 2,4-Dinitrotoluene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 2,6-Dinitrotoluene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Di-n-octyl phthalate | 5080479 | | | ug/kg wet | N/A | 330 | <330 | | | | | | | O2 |
| 1,2-Diphenylhydrazine | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Fluoranthene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Fluorene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Hexachlorobenzene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |

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Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by EPA Method 8270C** | | | | | | | | | | | | | | |
| Hexachlorobutadiene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Hexachlorocyclopentadiene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Hexachloroethane | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Indeno (1,2,3-cd) pyrene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Isophorone | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 2-Methylnaphthalene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| o-Cresol | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| m,p-Cresols | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Naphthalene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 2-Nitroaniline | 5080479 | | | ug/kg wet | N/A | 500 | <500 | | | | | | | O2 |
| 3-Nitroaniline | 5080479 | | | ug/kg wet | N/A | 500 | <500 | | | | | | | O2 |
| 4-Nitroaniline | 5080479 | | | ug/kg wet | N/A | 500 | <500 | | | | | | | O2 |
| Nitrobenzene | 5080479 | | | ug/kg wet | N/A | 70.0 | <70.0 | | | | | | | O2 |
| 2-Nitrophenol | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 4-Nitrophenol | 5080479 | | | ug/kg wet | N/A | 500 | <500 | | | | | | | O2 |
| N-Nitrosodimethylamine | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| N-Nitrosodi-n-propylamine | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| N-Nitrosodiphenylamine | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Pentachlorophenol | 5080479 | | | ug/kg wet | N/A | 500 | <500 | | | | | | | O2 |
| Phenanthrene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Phenol | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Pyrene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| Pyridine | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 1,2,4-Trichlorobenzene | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| 2,4,5-Trichlorophenol | 5080479 | | | ug/kg wet | N/A | 500 | <500 | | | | | | | O2 |
| 2,4,6-Trichlorophenol | 5080479 | | | ug/kg wet | N/A | 100 | <100 | | | | | | | O2 |
| *Surrogate: 2-Fluorophenol* | *5080479* | | | ug/kg wet | | | | | *80* | | *10-136* | | | O2 |
| *Surrogate: Phenol-d6* | *5080479* | | | ug/kg wet | | | | | *80* | | *10-136* | | | O2 |
| *Surrogate: Nitrobenzene-d5* | *5080479* | | | ug/kg wet | | | | | *69* | | *10-135* | | | O2 |
| *Surrogate: 2-Fluorobiphenyl* | *5080479* | | | ug/kg wet | | | | | *78* | | *10-129* | | | O2 |
| *Surrogate: 2,4,6-Tribromophenol* | *5080479* | | | ug/kg wet | | | | | *76* | | *10-132* | | | O2 |
| *Surrogate: p-Terphenyl-d14* | *5080479* | | | ug/kg wet | | | | | *86* | | *10-148* | | | O2 |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## CCB QC Data

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | | | | | | | |
| Aluminum | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0131 | | | | | | | |
| Antimony | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Arsenic | 5H23005 | | | mg/kg wet | N/A | N/A | 0.000287 | | | | | | | |
| Barium | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Beryllium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.000256 | | | | | | | |
| Cadmium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.000811 | | | | | | | |
| Chromium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.000887 | | | | | | | |
| Cobalt | 5H23005 | | | mg/kg wet | N/A | N/A | 0.000946 | | | | | | | |
| Copper | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Iron | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00600 | | | | | | | |
| Lead | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Magnesium | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Manganese | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0000675 | | | | | | | |
| Nickel | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00136 | | | | | | | |
| Potassium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0246 | | | | | | | |
| Selenium | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Silver | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Sodium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0107 | | | | | | | |
| Thallium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.209 | | | | | | | |
| Vanadium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00157 | | | | | | | |
| Zinc | 5H23005 | | | mg/kg wet | N/A | N/A | 0.000704 | | | | | | | |
| Aluminum | 5H23005 | | | mg/kg wet | N/A | N/A | 0.162 | | | | | | | |
| Antimony | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Arsenic | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Barium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00196 | | | | | | | |
| Beryllium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.000660 | | | | | | | |
| Cadmium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00114 | | | | | | | |
| Chromium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00164 | | | | | | | |
| Cobalt | 5H23005 | | | mg/kg wet | N/A | N/A | 0.000404 | | | | | | | |
| Copper | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Iron | 5H23005 | | | mg/kg wet | N/A | N/A | 0.195 | | | | | | | |
| Lead | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Magnesium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0979 | | | | | | | |
| Manganese | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00416 | | | | | | | |
| Nickel | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00276 | | | | | | | |
| Potassium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0245 | | | | | | | |
| Selenium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00163 | | | | | | | |
| Silver | 5H23005 | | | mg/kg wet | N/A | N/A | 0.000700 | | | | | | | |
| Sodium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0137 | | | | | | | |
| Thallium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0253 | | | | | | | |
| Vanadium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00186 | | | | | | | |
| Zinc | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00122 | | | | | | | |
| Aluminum | 5H23005 | | | mg/kg wet | N/A | N/A | 0.216 | | | | | | | |
| Antimony | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Arsenic | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00975 | | | | | | | |
| Barium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0130 | | | | | | | |
| Beryllium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00102 | | | | | | | |
| Cadmium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00136 | | | | | | | |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## CCB QC Data

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | | | | | | | |
| Chromium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00173 | | | | | | | |
| Cobalt | 5H23005 | | | mg/kg wet | N/A | N/A | 0.000665 | | | | | | | |
| Copper | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Iron | 5H23005 | | | mg/kg wet | N/A | N/A | 0.272 | | | | | | | |
| Lead | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Magnesium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.230 | | | | | | | |
| Manganese | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00827 | | | | | | | |
| Nickel | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00174 | | | | | | | |
| Potassium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0883 | | | | | | | |
| Selenium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0150 | | | | | | | |
| Silver | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Sodium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.501 | | | | | | | |
| Thallium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0288 | | | | | | | |
| Vanadium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00230 | | | | | | | |
| Zinc | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00551 | | | | | | | |
| Aluminum | 5H23005 | | | mg/kg wet | N/A | N/A | 0.325 | | | | | | | |
| Antimony | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Arsenic | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Barium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0163 | | | | | | | |
| Beryllium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00135 | | | | | | | |
| Cadmium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.000724 | | | | | | | |
| Chromium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00300 | | | | | | | |
| Cobalt | 5H23005 | | | mg/kg wet | N/A | N/A | 0.000862 | | | | | | | |
| Copper | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Iron | 5H23005 | | | mg/kg wet | N/A | N/A | 0.519 | | | | | | | |
| Lead | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Magnesium | 5H23005 | | | mg/kg wet | N/A | N/A | 1.01 | | | | | | | |
| Manganese | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0175 | | | | | | | |
| Nickel | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00311 | | | | | | | |
| Potassium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0765 | | | | | | | |
| Selenium | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Silver | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Sodium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.521 | | | | | | | |
| Thallium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0158 | | | | | | | |
| Vanadium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00280 | | | | | | | |
| Zinc | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00920 | | | | | | | |
| Aluminum | 5H23005 | | | mg/kg wet | N/A | N/A | 0.462 | | | | | | | |
| Antimony | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00133 | | | | | | | |
| Arsenic | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Barium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0196 | | | | | | | |
| Beryllium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00201 | | | | | | | |
| Cadmium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00226 | | | | | | | |
| Chromium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00317 | | | | | | | |
| Cobalt | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00203 | | | | | | | |
| Copper | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Iron | 5H23005 | | | mg/kg wet | N/A | N/A | 0.759 | | | | | | | |
| Lead | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Magnesium | 5H23005 | | | mg/kg wet | N/A | N/A | 1.42 | | | | | | | |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## CCB QC Data

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | | | | | | | |
| Manganese | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0246 | | | | | | | |
| Nickel | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00358 | | | | | | | |
| Potassium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0978 | | | | | | | |
| Selenium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0146 | | | | | | | |
| Silver | 5H23005 | | | mg/kg wet | N/A | N/A | 0.000514 | | | | | | | |
| Sodium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.486 | | | | | | | |
| Thallium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0147 | | | | | | | |
| Vanadium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00429 | | | | | | | |
| Zinc | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0133 | | | | | | | |
| Aluminum | 5H23005 | | | mg/kg wet | N/A | N/A | 0.290 | | | | | | | |
| Antimony | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0111 | | | | | | | |
| Arsenic | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Barium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00960 | | | | | | | |
| Beryllium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00131 | | | | | | | |
| Cadmium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00164 | | | | | | | |
| Chromium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00220 | | | | | | | |
| Cobalt | 5H23005 | | | mg/kg wet | N/A | N/A | 0.000118 | | | | | | | |
| Copper | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Iron | 5H23005 | | | mg/kg wet | N/A | N/A | 0.534 | | | | | | | |
| Lead | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00129 | | | | | | | |
| Magnesium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.923 | | | | | | | |
| Manganese | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0186 | | | | | | | |
| Nickel | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00193 | | | | | | | |
| Potassium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0636 | | | | | | | |
| Selenium | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Silver | 5H23005 | | | mg/kg wet | N/A | N/A | ND | | | | | | | |
| Sodium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.330 | | | | | | | |
| Thallium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.0140 | | | | | | | |
| Vanadium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00252 | | | | | | | |
| Zinc | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00700 | | | | | | | |
| Mercury | 5H23009 | | | mg/kg wet | N/A | N/A | 0.118 | | | | | | | |
| Mercury | 5H23009 | | | mg/kg wet | N/A | N/A | 0.113 | | | | | | | |
| Mercury | 5H23009 | | | mg/kg wet | N/A | N/A | 0.117 | | | | | | | |
| **Total Metals per EPA 6000 Series Methods** | | | | | | | | | | | | | | |
| Calcium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.00474 | | | | | | | |
| Calcium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.136 | | | | | | | |
| Calcium | 5H23005 | | | mg/kg wet | N/A | N/A | 0.799 | | | | | | | |
| Calcium | 5H23005 | | | mg/kg wet | N/A | N/A | 2.49 | | | | | | | |
| Calcium | 5H23005 | | | mg/kg wet | N/A | N/A | 3.20 | | | | | | | |
| Calcium | 5H23005 | | | mg/kg wet | N/A | N/A | 2.01 | | | | | | | |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## CCV QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | | |
| pH | 5080743 | | 7.00 | pH Units | N/A | N/A | 7.09 | | 101 | | 98.6-101.4 | | | |
| pH | 5080743 | | 7.00 | pH Units | N/A | N/A | 7.09 | | 101 | | 98.6-101.4 | | | |
| **Metals** | | | | | | | | | | | | | | |
| Aluminum | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.95 | | 99 | | 90-110 | | | |
| Barium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.09 | | 102 | | 90-110 | | | |
| Potassium | 5H23005 | | 50.0 | mg/kg wet | N/A | N/A | 49.6 | | 99 | | 90-110 | | | |
| Silver | 5H23005 | | 1.00 | mg/kg wet | N/A | N/A | 1.07 | | 107 | | 90-110 | | | |
| Sodium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.20 | | 104 | | 90-110 | | | |
| Antimony | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.99 | | 100 | | 90-110 | | | |
| Arsenic | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.98 | | 100 | | 90-110 | | | |
| Beryllium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.98 | | 100 | | 90-110 | | | |
| Cadmium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.01 | | 100 | | 90-110 | | | |
| Chromium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.02 | | 100 | | 90-110 | | | |
| Cobalt | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.96 | | 99 | | 90-110 | | | |
| Copper | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.00 | | 100 | | 90-110 | | | |
| Iron | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.17 | | 103 | | 90-110 | | | |
| Lead | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.04 | | 101 | | 90-110 | | | |
| Magnesium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.98 | | 100 | | 90-110 | | | |
| Manganese | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.03 | | 101 | | 90-110 | | | |
| Nickel | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.02 | | 100 | | 90-110 | | | |
| Selenium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.05 | | 101 | | 90-110 | | | |
| Thallium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.36 | | 107 | | 90-110 | | | |
| Vanadium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.03 | | 101 | | 90-110 | | | |
| Zinc | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.99 | | 100 | | 90-110 | | | |
| Aluminum | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.97 | | 99 | | 90-110 | | | |
| Barium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.09 | | 102 | | 90-110 | | | |
| Potassium | 5H23005 | | 50.0 | mg/kg wet | N/A | N/A | 49.4 | | 99 | | 90-110 | | | |
| Silver | 5H23005 | | 1.00 | mg/kg wet | N/A | N/A | 1.07 | | 107 | | 90-110 | | | |
| Sodium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.18 | | 104 | | 90-110 | | | |
| Antimony | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.04 | | 101 | | 90-110 | | | |
| Arsenic | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.05 | | 101 | | 90-110 | | | |
| Beryllium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.02 | | 100 | | 90-110 | | | |
| Cadmium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.98 | | 100 | | 90-110 | | | |
| Chromium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.01 | | 100 | | 90-110 | | | |
| Cobalt | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.99 | | 100 | | 90-110 | | | |
| Copper | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.05 | | 101 | | 90-110 | | | |
| Iron | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.18 | | 104 | | 90-110 | | | |
| Lead | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.08 | | 102 | | 90-110 | | | |
| Magnesium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.01 | | 100 | | 90-110 | | | |
| Manganese | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.06 | | 101 | | 90-110 | | | |
| Nickel | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.03 | | 101 | | 90-110 | | | |
| Selenium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.06 | | 101 | | 90-110 | | | |
| Thallium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.45 | | 109 | | 90-110 | | | |
| Vanadium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.04 | | 101 | | 90-110 | | | |
| Zinc | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.02 | | 100 | | 90-110 | | | |
| Aluminum | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.91 | | 98 | | 90-110 | | | |
| Barium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.07 | | 101 | | 90-110 | | | |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## CCV QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | | | | | | | |
| Potassium | 5H23005 | | 50.0 | mg/kg wet | N/A | N/A | 49.6 | | 99 | | 90-110 | | | |
| Silver | 5H23005 | | 1.00 | mg/kg wet | N/A | N/A | 1.06 | | 106 | | 90-110 | | | |
| Sodium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.22 | | 104 | | 90-110 | | | |
| Antimony | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.01 | | 100 | | 90-110 | | | |
| Arsenic | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.03 | | 101 | | 90-110 | | | |
| Beryllium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.03 | | 101 | | 90-110 | | | |
| Cadmium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.00 | | 100 | | 90-110 | | | |
| Chromium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.04 | | 101 | | 90-110 | | | |
| Cobalt | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.02 | | 100 | | 90-110 | | | |
| Copper | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.08 | | 102 | | 90-110 | | | |
| Iron | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.19 | | 104 | | 90-110 | | | |
| Lead | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.08 | | 102 | | 90-110 | | | |
| Magnesium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.04 | | 101 | | 90-110 | | | |
| Manganese | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.08 | | 102 | | 90-110 | | | |
| Nickel | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.06 | | 101 | | 90-110 | | | |
| Selenium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.07 | | 101 | | 90-110 | | | |
| Thallium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.52 | | 110 | | 90-110 | | | |
| Vanadium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.06 | | 101 | | 90-110 | | | |
| Zinc | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.03 | | 101 | | 90-110 | | | |
| Aluminum | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.94 | | 99 | | 90-110 | | | |
| Barium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.09 | | 102 | | 90-110 | | | |
| Potassium | 5H23005 | | 50.0 | mg/kg wet | N/A | N/A | 49.1 | | 98 | | 90-110 | | | |
| Silver | 5H23005 | | 1.00 | mg/kg wet | N/A | N/A | 1.07 | | 107 | | 90-110 | | | |
| Sodium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.20 | | 104 | | 90-110 | | | |
| Antimony | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.00 | | 100 | | 90-110 | | | |
| Arsenic | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.00 | | 100 | | 90-110 | | | |
| Beryllium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.02 | | 100 | | 90-110 | | | |
| Cadmium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.97 | | 99 | | 90-110 | | | |
| Chromium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.02 | | 100 | | 90-110 | | | |
| Cobalt | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.00 | | 100 | | 90-110 | | | |
| Copper | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.08 | | 102 | | 90-110 | | | |
| Iron | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.19 | | 104 | | 90-110 | | | |
| Lead | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.07 | | 101 | | 90-110 | | | |
| Magnesium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.02 | | 100 | | 90-110 | | | |
| Manganese | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.06 | | 101 | | 90-110 | | | |
| Nickel | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.04 | | 101 | | 90-110 | | | |
| Selenium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.05 | | 101 | | 90-110 | | | |
| Thallium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.47 | | 109 | | 90-110 | | | |
| Vanadium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.05 | | 101 | | 90-110 | | | |
| Zinc | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.02 | | 100 | | 90-110 | | | |
| Aluminum | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.94 | | 99 | | 90-110 | | | |
| Barium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.00 | | 100 | | 90-110 | | | |
| Potassium | 5H23005 | | 50.0 | mg/kg wet | N/A | N/A | 48.7 | | 97 | | 90-110 | | | |
| Silver | 5H23005 | | 1.00 | mg/kg wet | N/A | N/A | 1.04 | | 104 | | 90-110 | | | |
| Sodium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.12 | | 102 | | 90-110 | | | |
| Antimony | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.99 | | 100 | | 90-110 | | | |
| Arsenic | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.96 | | 99 | | 90-110 | | | |
| Beryllium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.98 | | 100 | | 90-110 | | | |

TestAmerica
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WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## CCV QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | | | | | | | |
| Cadmium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.95 | | 99 | | 90-110 | | | |
| Chromium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.98 | | 100 | | 90-110 | | | |
| Cobalt | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.97 | | 99 | | 90-110 | | | |
| Copper | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.02 | | 100 | | 90-110 | | | |
| Iron | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.15 | | 103 | | 90-110 | | | |
| Lead | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.05 | | 101 | | 90-110 | | | |
| Magnesium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.95 | | 99 | | 90-110 | | | |
| Manganese | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.02 | | 100 | | 90-110 | | | |
| Nickel | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.00 | | 100 | | 90-110 | | | |
| Selenium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.06 | | 101 | | 90-110 | | | |
| Thallium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.39 | | 108 | | 90-110 | | | |
| Vanadium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.00 | | 100 | | 90-110 | | | |
| Zinc | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.99 | | 100 | | 90-110 | | | |
| Aluminum | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.82 | | 96 | | 90-110 | | | |
| Barium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.01 | | 100 | | 90-110 | | | |
| Potassium | 5H23005 | | 50.0 | mg/kg wet | N/A | N/A | 48.4 | | 97 | | 90-110 | | | |
| Silver | 5H23005 | | 1.00 | mg/kg wet | N/A | N/A | 1.04 | | 104 | | 90-110 | | | |
| Sodium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.14 | | 103 | | 90-110 | | | |
| Antimony | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.95 | | 99 | | 90-110 | | | |
| Arsenic | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.93 | | 99 | | 90-110 | | | |
| Beryllium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.96 | | 99 | | 90-110 | | | |
| Cadmium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.93 | | 99 | | 90-110 | | | |
| Chromium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.95 | | 99 | | 90-110 | | | |
| Cobalt | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.94 | | 99 | | 90-110 | | | |
| Copper | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.96 | | 99 | | 90-110 | | | |
| Iron | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.10 | | 102 | | 90-110 | | | |
| Lead | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.02 | | 100 | | 90-110 | | | |
| Magnesium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.90 | | 98 | | 90-110 | | | |
| Manganese | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.98 | | 100 | | 90-110 | | | |
| Nickel | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.98 | | 100 | | 90-110 | | | |
| Selenium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.98 | | 100 | | 90-110 | | | |
| Thallium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.38 | | 108 | | 90-110 | | | |
| Vanadium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.96 | | 99 | | 90-110 | | | |
| Zinc | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.97 | | 99 | | 90-110 | | | |
| Mercury | 5H23009 | | 5.00 | mg/kg wet | N/A | N/A | 5.04 | | 101 | | 90-110 | | | |
| Mercury | 5H23009 | | 5.00 | mg/kg wet | N/A | N/A | 5.16 | | 103 | | 90-110 | | | |
| Mercury | 5H23009 | | 5.00 | mg/kg wet | N/A | N/A | 5.27 | | 105 | | 90-110 | | | |
| Mercury | 5H23009 | | 5.00 | mg/kg wet | N/A | N/A | 5.26 | | 105 | | 90-110 | | | |
| **Total Metals per EPA 6000 Series Methods** | | | | | | | | | | | | | | |
| Calcium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.01 | | 100 | | 90-110 | | | |
| Calcium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.04 | | 101 | | 90-110 | | | |
| Calcium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.08 | | 102 | | 90-110 | | | |
| Calcium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.07 | | 101 | | 90-110 | | | |
| Calcium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 5.02 | | 100 | | 90-110 | | | |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
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Received: 08/22/05
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## CCV QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals per EPA 6000 Series Methods** | | | | | | | | | | | | | | |
| Calcium | 5H23005 | | 5.00 | mg/kg wet | N/A | N/A | 4.99 | | 100 | | 90-110 | | | |
| **VOCs by SW8260B** | | | | | | | | | | | | | | |
| Benzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2440 | | 98 | | 80-120 | | | |
| Bromobenzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2440 | | 98 | | 80-120 | | | |
| Bromochloromethane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2640 | | 106 | | 80-120 | | | |
| Bromodichloromethane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2580 | | 103 | | 80-120 | | | |
| Bromoform | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2940 | | 118 | | 80-120 | | | L1,R2 |
| n-Butylbenzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2460 | | 98 | | 80-120 | | | |
| sec-Butylbenzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2420 | | 97 | | 80-120 | | | |
| tert-Butylbenzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2380 | | 95 | | 80-120 | | | |
| Carbon Tetrachloride | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2180 | | 87 | | 80-120 | | | L2,R2 |
| Chlorobenzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2470 | | 99 | | 80-120 | | | |
| Chlorodibromomethane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2820 | | 113 | | 80-120 | | | L1 |
| Chloroform | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2330 | | 93 | | 80-120 | | | |
| Chloromethane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2980 | | 119 | | 80-120 | | | L1,R2 |
| 2-Chlorotoluene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2380 | | 95 | | 80-120 | | | |
| 4-Chlorotoluene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2360 | | 94 | | 80-120 | | | |
| 1,2-Dibromo-3-chloropropane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2980 | | 119 | | 80-120 | | | |
| 1,2-Dibromoethane (EDB) | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2550 | | 102 | | 80-120 | | | |
| Dibromomethane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2550 | | 102 | | 80-120 | | | |
| 1,2-Dichlorobenzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2450 | | 98 | | 80-120 | | | |
| 1,3-Dichlorobenzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2430 | | 97 | | 80-120 | | | |
| 1,4-Dichlorobenzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2430 | | 97 | | 80-120 | | | |
| Dichlorodifluoromethane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 3360 | | 134 | | 80-120 | | | C,L1,R2 |
| 1,1-Dichloroethane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2350 | | 94 | | 80-120 | | | |
| 1,2-Dichloroethane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2440 | | 98 | | 80-120 | | | |
| 1,1-Dichloroethene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2510 | | 100 | | 80-120 | | | |
| cis-1,2-Dichloroethene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2390 | | 96 | | 80-120 | | | |
| trans-1,2-Dichloroethene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2190 | | 88 | | 80-120 | | | L2,R2 |
| 1,2-Dichloropropane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2430 | | 97 | | 80-120 | | | |
| 1,3-Dichloropropane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2800 | | 112 | | 80-120 | | | L1,R2 |
| 2,2-Dichloropropane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2190 | | 88 | | 80-120 | | | L2,R2 |
| 1,1-Dichloropropene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2280 | | 91 | | 80-120 | | | |
| cis-1,3-Dichloropropene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2540 | | 102 | | 80-120 | | | |
| trans-1,3-Dichloropropene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2720 | | 109 | | 80-120 | | | L1 |
| 2,3-Dichloropropene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2350 | | 94 | | 80-120 | | | |
| Isopropyl Ether | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2430 | | 97 | | 80-120 | | | |
| Ethylbenzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2410 | | 96 | | 80-120 | | | |
| Hexachlorobutadiene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2600 | | 104 | | 80-120 | | | |
| Isopropylbenzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2420 | | 97 | | 80-120 | | | |
| p-Isopropyltoluene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2430 | | 97 | | 80-120 | | | |
| Methylene Chloride | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2730 | | 109 | | 80-120 | | | |
| Methyl tert-Butyl Ether | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2320 | | 93 | | 80-120 | | | |
| Naphthalene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2500 | | 100 | | 80-120 | | | |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
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Received: 08/22/05
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## CCV QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **VOCs by SW8260B** | | | | | | | | | | | | | | |
| n-Propylbenzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2400 | | 96 | | 80-120 | | | |
| Styrene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2510 | | 100 | | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2500 | | 100 | | 80-120 | | | |
| 1,1,2,2-Tetrachloroethane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2720 | | 109 | | 80-120 | | | |
| Tetrachloroethene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2230 | | 89 | | 80-120 | | | |
| Toluene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2310 | | 92 | | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2540 | | 102 | | 80-120 | | | |
| 1,2,4-Trichlorobenzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2480 | | 99 | | 80-120 | | | |
| 1,1,1-Trichloroethane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2160 | | 86 | | 80-120 | | | R2 |
| 1,1,2-Trichloroethane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2800 | | 112 | | 80-120 | | | L1,R2 |
| Trichloroethene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2400 | | 96 | | 80-120 | | | |
| Trichlorofluoromethane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2420 | | 97 | | 80-120 | | | |
| 1,2,3-Trichloropropane | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2800 | | 112 | | 80-120 | | | |
| 1,2,4-Trimethylbenzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2430 | | 97 | | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2410 | | 96 | | 80-120 | | | |
| Vinyl chloride | 5H22009 | | 2500 | ug/kg wet | N/A | N/A | 2790 | | 112 | | 80-120 | | | |
| Xylenes, total | 5H22009 | | 7500 | ug/kg wet | N/A | N/A | 7360 | | 98 | | 80-120 | | | |
| *Surrogate: Dibromofluoromethane* | *5H22009* | | | ug/kg wet | | | | | *96* | | *80-120* | | | |
| *Surrogate: Toluene-d8* | *5H22009* | | | ug/kg wet | | | | | *95* | | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *5H22009* | | | ug/kg wet | | | | | *100* | | *80-120* | | | |

TestAmerica
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602 Commerce Drive Watertown, WI 53094 * 800-833-7036 * Fax 920-261-8120

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: WOH0783-01** | | | | | | | | | | | | | |
| % Solids | 5080721 | 55 | | % | N/A | N/A | 57.2 | | | | 4 | 20 | |
| **QC Source Sample: WOH0784-06** | | | | | | | | | | | | | |
| % Solids | 5080721 | 78 | | % | N/A | N/A | 73.3 | | | | 6 | 20 | |
| **QC Source Sample: WOH0784-01** | | | | | | | | | | | | | |
| pH | 5080743 | 7.2 | | pH Units | N/A | N/A | 7.21 | | | | 0 | 200 | |
| **Metals** | | | | | | | | | | | | | |
| **QC Source Sample: WOH0784-06** | | | | | | | | | | | | | |
| Aluminum | 5080749 | 5800 | | mg/kg dry | N/A | 1.3 | 5770 | | | | 1 | 20 | B |
| Antimony | 5080749 | <1.1 | | mg/kg dry | N/A | 1.1 | <1.4 | | | | | 30 | |
| Arsenic | 5080749 | <2.2 | | mg/kg dry | N/A | 2.2 | 0.428 | | | | | 21 | |
| Barium | 5080749 | 94 | | mg/kg dry | N/A | 0.11 | 80.0 | | | | 16 | 32 | |
| Beryllium | 5080749 | 0.45 | | mg/kg dry | N/A | 0.011 | 0.378 | | | | 17 | 25 | |
| Cadmium | 5080749 | 0.80 | | mg/kg dry | N/A | 0.10 | 0.686 | | | | 15 | 18 | |
| Chromium | 5080749 | 8.4 | | mg/kg dry | N/A | 0.18 | 8.62 | | | | 3 | 21 | |
| Cobalt | 5080749 | 11 | | mg/kg dry | N/A | 0.55 | 11.2 | | | | 2 | 22 | |
| Copper | 5080749 | 8.5 | | mg/kg dry | N/A | 1.6 | 6.91 | | | | 21 | 25 | |
| Iron | 5080749 | 13000 | | mg/kg dry | N/A | 1.3 | 13200 | | | | 2 | 42 | |
| Lead | 5080749 | 14 | | mg/kg dry | N/A | 1.2 | 10.8 | | | | 26 | 18 | R9 |
| Magnesium | 5080749 | 24000 | | mg/kg dry | N/A | 1.2 | 21700 | | | | 10 | 31 | |
| Manganese | 5080749 | 1000 | | mg/kg dry | N/A | 0.080 | 927 | | | | 8 | 27 | B |
| Nickel | 5080749 | 8.9 | | mg/kg dry | N/A | 0.35 | 8.94 | | | | 0 | 21 | |
| Potassium | 5080749 | 470 | | mg/kg dry | N/A | 1.7 | 525 | | | | 11 | 20 | |
| Selenium | 5080749 | 0.038 | | mg/kg dry | N/A | 4.0 | <5.1 | | | | | 21 | B |
| Silver | 5080749 | 0.18 | | mg/kg dry | N/A | 0.11 | 0.105 | | | | 53 | 30 | R9 |
| Sodium | 5080749 | 100 | | mg/kg dry | N/A | 0.88 | 129 | | | | 25 | 20 | R9,B |
| Thallium | 5080749 | 2.8 | | mg/kg dry | N/A | 3.2 | 0.293 | | | | 162 | 20 | R9 |
| Vanadium | 5080749 | 31 | | mg/kg dry | N/A | 0.13 | 42.7 | | | | 32 | 20 | R9 |
| Zinc | 5080749 | 82 | | mg/kg dry | N/A | 0.24 | 79.3 | | | | 3 | 39 | B |
| **Total Metals per EPA 6000 Series Methods** | | | | | | | | | | | | | |
| **QC Source Sample: WOH0784-06** | | | | | | | | | | | | | |
| Calcium | 5080749 | 38000 | | mg/kg dry | N/A | 1.2 | 34600 | | | | 9 | 20 | B |

WESTON SOLUTIONS
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Received: 08/22/05
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## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | | | | | | | |
| Mercury | 5080741 | | 0.125 | mg/kg wet | N/A | 0.0100 | 0.129 | | 103 | | 76-133 | | | |
| Aluminum | 5080749 | | 50.0 | mg/kg wet | N/A | 1.3 | 38.7 | | 77 | | 80-110 | | | L2,B |
| Antimony | 5080749 | | 50.0 | mg/kg wet | N/A | 1.1 | 40.3 | | 81 | | 82-111 | | | L2 |
| Arsenic | 5080749 | | 50.0 | mg/kg wet | N/A | 2.2 | 25.6 | | 51 | | 85-112 | | | L2 |
| Barium | 5080749 | | 25.0 | mg/kg wet | N/A | 0.11 | 20.8 | | 83 | | 78-110 | | | |
| Beryllium | 5080749 | | 25.0 | mg/kg wet | N/A | 0.011 | 19.0 | | 76 | | 80-112 | | | L2 |
| Cadmium | 5080749 | | 25.0 | mg/kg wet | N/A | 0.10 | 20.5 | | 82 | | 83-109 | | | L2 |
| Chromium | 5080749 | | 25.0 | mg/kg wet | N/A | 0.18 | 22.4 | | 90 | | 84-110 | | | |
| Cobalt | 5080749 | | 25.0 | mg/kg wet | N/A | 0.55 | 21.4 | | 86 | | 81-111 | | | |
| Copper | 5080749 | | 50.0 | mg/kg wet | N/A | 1.6 | 41.6 | | 83 | | 84-111 | | | L2 |
| Iron | 5080749 | | 50.0 | mg/kg wet | N/A | 1.3 | 45.1 | | 90 | | 77-115 | | | |
| Lead | 5080749 | | 50.0 | mg/kg wet | N/A | 1.2 | 37.6 | | 75 | | 84-110 | | | L2 |
| Magnesium | 5080749 | | 50.0 | mg/kg wet | N/A | 1.2 | 35.7 | | 71 | | 76-115 | | | L2 |
| Manganese | 5080749 | | 25.0 | mg/kg wet | N/A | 0.080 | 21.7 | | 87 | | 83-109 | | | B |
| Nickel | 5080749 | | 50.0 | mg/kg wet | N/A | 0.35 | 42.1 | | 84 | | 83-108 | | | |
| Potassium | 5080749 | | 100 | mg/kg wet | N/A | 1.7 | 90.7 | | 91 | | 69-117 | | | |
| Selenium | 5080749 | | 100 | mg/kg wet | N/A | 4.0 | 133 | | 133 | | 79-104 | | | L1,B |
| Silver | 5080749 | | 25.0 | mg/kg wet | N/A | 0.11 | 20.5 | | 82 | | 74-116 | | | |
| Sodium | 5080749 | | 75.0 | mg/kg wet | N/A | 0.88 | 136 | | 181 | | 70-141 | | | L1,B |
| Thallium | 5080749 | | 50.0 | mg/kg wet | N/A | 3.2 | 32.8 | | 66 | | 65-102 | | | |
| Vanadium | 5080749 | | 25.0 | mg/kg wet | N/A | 0.13 | 22.5 | | 90 | | 79-109 | | | |
| Zinc | 5080749 | | 25.0 | mg/kg wet | N/A | 0.24 | 18.4 | | 74 | | 80-107 | | | L2,B |
| **Total Metals per EPA 6000 Series Methods** | | | | | | | | | | | | | | |
| Calcium | 5080749 | | 50.0 | mg/kg wet | N/A | 1.2 | 55.0 | | 110 | | 68-118 | | | B |
| **VOCs by SW8260B** | | | | | | | | | | | | | | |
| Benzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2640 | 2330 | 106 | 93 | 64-124 | 12 | 29 | |
| Bromobenzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2710 | 2770 | 108 | 111 | 70-130 | 2 | 20 | |
| Bromochloromethane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2850 | 3010 | 114 | 120 | 70-130 | 5 | 20 | |
| Bromodichloromethane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2750 | 2810 | 110 | 112 | 70-130 | 2 | 20 | |
| Bromoform | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 3210 | 4160 | 128 | 166 | 70-130 | 26 | 20 | L1,R2 |
| Bromomethane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2060 | 2730 | 82 | 109 | 70-130 | 28 | 20 | C9,R2 |
| n-Butylbenzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2610 | 2640 | 104 | 106 | 70-130 | 1 | 20 | |
| sec-Butylbenzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2610 | 2650 | 104 | 106 | 70-130 | 2 | 20 | |
| tert-Butylbenzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2580 | 2620 | 103 | 105 | 70-130 | 2 | 20 | |
| Carbon Tetrachloride | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2490 | 1710 | 100 | 68 | 70-130 | 37 | 20 | L2,R2 |
| Chlorobenzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2700 | 2750 | 108 | 110 | 80-123 | 2 | 17 | |
| Chlorodibromomethane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 3180 | 3880 | 127 | 155 | 70-130 | 20 | 20 | L1 |
| Chloroethane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2360 | 2910 | 94 | 116 | 70-130 | 21 | 20 | C9,R2 |
| Chloroform | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2520 | 2240 | 101 | 90 | 70-130 | 12 | 20 | |
| Chloromethane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2820 | 3960 | 113 | 158 | 70-130 | 34 | 20 | L1,R2 |
| 2-Chlorotoluene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2400 | 2750 | 96 | 110 | 70-130 | 14 | 20 | |
| 4-Chlorotoluene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2520 | 2640 | 101 | 106 | 70-130 | 5 | 20 | |
| 1,2-Dibromo-3-chloropropane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 3120 | 3240 | 125 | 130 | 70-130 | 4 | 20 | |
| 1,2-Dibromoethane (EDB) | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2790 | 2680 | 112 | 107 | 70-130 | 4 | 20 | |
| Dibromomethane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2790 | 2820 | 112 | 113 | 70-130 | 1 | 20 | |
| 1,2-Dichlorobenzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2630 | 2690 | 105 | 108 | 70-130 | 2 | 20 | |
| 1,3-Dichlorobenzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2610 | 2670 | 104 | 107 | 70-130 | 2 | 20 | |

WESTON SOLUTIONS
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## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **VOCs by SW8260B** | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2610 | 2660 | 104 | 106 | 70-130 | 2 | 20 | |
| Dichlorodifluoromethane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 3000 | 3760 | 120 | 150 | 70-130 | 22 | 20 | C,L1,R2 |
| 1,1-Dichloroethane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2550 | 2170 | 102 | 87 | 70-130 | 16 | 20 | |
| 1,2-Dichloroethane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2630 | 2450 | 105 | 98 | 70-130 | 7 | 20 | |
| 1,1-Dichloroethene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2660 | 2480 | 106 | 99 | 43-141 | 7 | 44 | |
| cis-1,2-Dichloroethene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2610 | 2270 | 104 | 91 | 70-130 | 14 | 20 | |
| trans-1,2-Dichloroethene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2430 | 1720 | 97 | 69 | 70-130 | 34 | 20 | L2,R2 |
| 1,2-Dichloropropane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2550 | 2480 | 102 | 99 | 70-130 | 3 | 20 | |
| 1,3-Dichloropropane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2980 | 3670 | 119 | 147 | 70-130 | 21 | 20 | L1,R2 |
| 2,2-Dichloropropane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2420 | 1730 | 97 | 69 | 70-130 | 33 | 20 | L2,R2 |
| 1,1-Dichloropropene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2460 | 2050 | 98 | 82 | 70-130 | 18 | 20 | |
| cis-1,3-Dichloropropene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2830 | 2910 | 113 | 116 | 70-130 | 3 | 20 | |
| trans-1,3-Dichloropropene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2970 | 3370 | 119 | 135 | 70-130 | 13 | 20 | L1 |
| Ethylbenzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2620 | 2600 | 105 | 104 | 79-122 | 1 | 17 | |
| Hexachlorobutadiene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2680 | 2670 | 107 | 107 | 70-130 | 0 | 20 | |
| Isopropylbenzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2640 | 2710 | 106 | 108 | 70-130 | 3 | 20 | |
| p-Isopropyltoluene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2600 | 2650 | 104 | 106 | 70-130 | 2 | 20 | |
| Methylene Chloride | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2840 | 3120 | 114 | 125 | 70-130 | 9 | 20 | |
| Methyl tert-Butyl Ether | 5080685 | | 2410 | ug/kg wet | N/A | N/A | 2520 | 2050 | 105 | 85 | 55-137 | 21 | 36 | |
| Naphthalene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2600 | 2810 | 104 | 112 | 70-130 | 8 | 20 | |
| n-Propylbenzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2640 | 2730 | 106 | 109 | 70-130 | 3 | 20 | |
| Styrene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2760 | 2850 | 110 | 114 | 70-130 | 3 | 20 | |
| 1,1,1,2-Tetrachloroethane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2790 | 2730 | 112 | 109 | 70-130 | 2 | 20 | |
| 1,1,2,2-Tetrachloroethane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2940 | 3160 | 118 | 126 | 70-130 | 7 | 20 | |
| Tetrachloroethene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2450 | 2140 | 98 | 86 | 70-130 | 14 | 20 | |
| Toluene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2530 | 2300 | 101 | 92 | 78-120 | 10 | 18 | |
| 1,2,3-Trichlorobenzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2670 | 2720 | 107 | 109 | 70-130 | 2 | 20 | |
| 1,2,4-Trichlorobenzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2620 | 2670 | 105 | 107 | 70-130 | 2 | 20 | |
| 1,1,1-Trichloroethane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2440 | 1860 | 98 | 74 | 70-130 | 27 | 20 | R2 |
| 1,1,2-Trichloroethane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 3000 | 3800 | 120 | 152 | 70-130 | 24 | 20 | R2,L1 |
| Trichloroethene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2550 | 2370 | 102 | 95 | 78-124 | 7 | 20 | |
| Trichlorofluoromethane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2470 | 2480 | 99 | 99 | 70-130 | 0 | 20 | |
| 1,2,3-Trichloropropane | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2950 | 3180 | 118 | 127 | 70-130 | 8 | 20 | |
| 1,2,4-Trimethylbenzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2660 | 2730 | 106 | 109 | 75-128 | 3 | 20 | |
| 1,3,5-Trimethylbenzene | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2650 | 2710 | 106 | 108 | 76-127 | 2 | 19 | |
| Vinyl chloride | 5080685 | | 2500 | ug/kg wet | N/A | N/A | 2740 | 3230 | 110 | 129 | 70-130 | 16 | 20 | |
| Xylenes, total | 5080685 | | 7500 | ug/kg wet | N/A | N/A | 7970 | 8210 | 106 | 109 | 79-122 | 3 | 17 | |
| *Surrogate: Dibromofluoromethane* | *5080685* | | | ug/kg wet | | | | | *102* | *90* | *82-112* | | | |
| *Surrogate: Toluene-d8* | *5080685* | | | ug/kg wet | | | | | *97* | *86* | *91-106* | | | Z6 |
| *Surrogate: 4-Bromofluorobenzene* | *5080685* | | | ug/kg wet | | | | | *102* | *103* | *89-110* | | | |

WESTON SOLUTIONS
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## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by EPA Method 8270C** | | | | | | | | | | | | | | |
| Acenaphthene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 707 | | 87 | | 39.3-112 | | | O2 |
| Acenaphthylene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 721 | | 88 | | 41-111 | | | O2 |
| Aniline | 5080479 | | 816 | ug/kg wet | N/A | 100 | 396 | | 49 | | 10-110 | | | O2 |
| Anthracene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 744 | | 91 | | 44.9-110 | | | O2 |
| Benzidine | 5080479 | | 1630 | ug/kg wet | N/A | 2000 | 393 | | 24 | | 0-200 | | | O2 |
| Benzoic acid | 5080479 | | 816 | ug/kg wet | N/A | 500 | 525 | | 64 | | 10-150 | | | O2 |
| Benz (a) anthracene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 744 | | 91 | | 42.7-115 | | | O2 |
| Benzo (a) pyrene | 5080479 | | 816 | ug/kg wet | N/A | 58.0 | 723 | | 89 | | 40.7-116 | | | O2 |
| Benzo (b) fluoranthene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 700 | | 86 | | 38.1-119 | | | O2 |
| Benzo (ghi) perylene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 740 | | 91 | | 23.9-118 | | | O2 |
| Benzo (k) fluoranthene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 785 | | 96 | | 39.1-120 | | | O2 |
| Benzyl alcohol | 5080479 | | 816 | ug/kg wet | N/A | 100 | 723 | | 89 | | 38.2-111 | | | O2 |
| Bis(2-chloroethoxy)methane | 5080479 | | 816 | ug/kg wet | N/A | 100 | 678 | | 83 | | 40.7-110 | | | O2 |
| Bis(2-chloroethyl)ether | 5080479 | | 816 | ug/kg wet | N/A | 100 | 704 | | 86 | | 33.7-114 | | | O2 |
| Bis(2-chloroisopropyl)ether | 5080479 | | 816 | ug/kg wet | N/A | 100 | 649 | | 80 | | 39.7-111 | | | O2 |
| Bis(2-ethylhexyl)phthalate | 5080479 | | 816 | ug/kg wet | N/A | 330 | 797 | | 98 | | 43-124 | | | O2 |
| 4-Bromophenyl phenyl ether | 5080479 | | 816 | ug/kg wet | N/A | 100 | 715 | | 88 | | 40.4-115 | | | O2 |
| Butyl benzyl phthalate | 5080479 | | 816 | ug/kg wet | N/A | 330 | 788 | | 97 | | 39.5-130 | | | O2 |
| Carbazole | 5080479 | | 816 | ug/kg wet | N/A | 100 | 732 | | 90 | | 40.7-115 | | | O2 |
| 4-Chloroaniline | 5080479 | | 816 | ug/kg wet | N/A | 100 | 523 | | 64 | | 10-110 | | | O2 |
| 4-Chloro-3-methylphenol | 5080479 | | 816 | ug/kg wet | N/A | 100 | 626 | | 77 | | 42.9-112 | | | O2 |
| 2-Chloronaphthalene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 705 | | 86 | | 35.7-113 | | | O2 |
| 2-Chlorophenol | 5080479 | | 816 | ug/kg wet | N/A | 100 | 701 | | 86 | | 39.4-114 | | | O2 |
| 4-Chlorophenyl phenyl ether | 5080479 | | 816 | ug/kg wet | N/A | 100 | 701 | | 86 | | 39.2-117 | | | O2 |
| Chrysene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 736 | | 90 | | 41.5-118 | | | O2 |
| Dibenz (a,h) anthracene | 5080479 | | 816 | ug/kg wet | N/A | 58.0 | 732 | | 90 | | 32.4-111 | | | O2 |
| Dibenzofuran | 5080479 | | 816 | ug/kg wet | N/A | 100 | 701 | | 86 | | 39-114 | | | O2 |
| 1,2-Dichlorobenzene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 664 | | 81 | | 35.1-113 | | | O2 |
| 1,3-Dichlorobenzene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 641 | | 79 | | 32.3-114 | | | O2 |
| 1,4-Dichlorobenzene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 650 | | 80 | | 33-113 | | | O2 |
| 3,3´-Dichlorobenzidine | 5080479 | | 1630 | ug/kg wet | N/A | 500 | 1590 | | 98 | | 10.7-128 | | | O2 |
| 2,4-Dichlorophenol | 5080479 | | 816 | ug/kg wet | N/A | 100 | 685 | | 84 | | 40-110 | | | O2 |
| Diethyl phthalate | 5080479 | | 816 | ug/kg wet | N/A | 100 | 718 | | 88 | | 46.6-112 | | | O2 |
| 2,4-Dimethylphenol | 5080479 | | 816 | ug/kg wet | N/A | 100 | 678 | | 83 | | 32.7-110 | | | O2 |
| Dimethyl phthalate | 5080479 | | 816 | ug/kg wet | N/A | 100 | 712 | | 87 | | 44.7-111 | | | O2 |
| Di-n-butyl phthalate | 5080479 | | 816 | ug/kg wet | N/A | 330 | 805 | | 99 | | 46.4-118 | | | O2 |
| 4,6-Dinitro-2-methylphenol | 5080479 | | 816 | ug/kg wet | N/A | 500 | 603 | | 74 | | 10-137 | | | O2 |
| 2,4-Dinitrophenol | 5080479 | | 816 | ug/kg wet | N/A | 500 | 431 | | 53 | | 10-127 | | | O2 |
| 2,4-Dinitrotoluene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 681 | | 84 | | 37.5-118 | | | O2 |
| 2,6-Dinitrotoluene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 724 | | 89 | | 44-112 | | | O2 |
| Di-n-octyl phthalate | 5080479 | | 816 | ug/kg wet | N/A | 330 | 772 | | 95 | | 34.1-131 | | | O2 |
| 1,2-Diphenylhydrazine | 5080479 | | 816 | ug/kg wet | N/A | 100 | 805 | | 99 | | 0-200 | | | O2 |
| Fluoranthene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 743 | | 91 | | 45.1-113 | | | O2 |
| Fluorene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 719 | | 88 | | 41.8-113 | | | O2 |
| Hexachlorobenzene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 704 | | 86 | | 38.3-117 | | | O2 |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by EPA Method 8270C** | | | | | | | | | | | | | | |
| Hexachlorobutadiene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 654 | | 80 | | 33.3-114 | | | O2 |
| Hexachlorocyclopentadiene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 593 | | 73 | | 10-110 | | | O2 |
| Hexachloroethane | 5080479 | | 816 | ug/kg wet | N/A | 100 | 664 | | 81 | | 33.4-113 | | | O2 |
| Indeno (1,2,3-cd) pyrene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 726 | | 89 | | 28.6-116 | | | O2 |
| Isophorone | 5080479 | | 816 | ug/kg wet | N/A | 100 | 691 | | 85 | | 42.7-110 | | | O2 |
| 2-Methylnaphthalene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 665 | | 82 | | 37.3-116 | | | O2 |
| o-Cresol | 5080479 | | 816 | ug/kg wet | N/A | 100 | 688 | | 84 | | 43.3-111 | | | O2 |
| m,p-Cresols | 5080479 | | 816 | ug/kg wet | N/A | 100 | 705 | | 86 | | 36.3-117 | | | O2 |
| Naphthalene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 685 | | 84 | | 37.4-110 | | | O2 |
| 2-Nitroaniline | 5080479 | | 816 | ug/kg wet | N/A | 500 | 695 | | 85 | | 42.3-110 | | | O2 |
| 3-Nitroaniline | 5080479 | | 816 | ug/kg wet | N/A | 500 | 621 | | 76 | | 31.2-110 | | | O2 |
| 4-Nitroaniline | 5080479 | | 816 | ug/kg wet | N/A | 500 | 681 | | 84 | | 29.5-124 | | | O2 |
| Nitrobenzene | 5080479 | | 816 | ug/kg wet | N/A | 70.0 | 662 | | 81 | | 33.3-115 | | | O2 |
| 2-Nitrophenol | 5080479 | | 816 | ug/kg wet | N/A | 100 | 670 | | 82 | | 34.2-110 | | | O2 |
| 4-Nitrophenol | 5080479 | | 816 | ug/kg wet | N/A | 500 | 320 | | 39 | | 25.2-120 | | | O2 |
| N-Nitrosodimethylamine | 5080479 | | 816 | ug/kg wet | N/A | 100 | 662 | | 81 | | 0-200 | | | O2 |
| N-Nitrosodi-n-propylamine | 5080479 | | 816 | ug/kg wet | N/A | 100 | 700 | | 86 | | 41.3-120 | | | O2 |
| N-Nitrosodiphenylamine | 5080479 | | 816 | ug/kg wet | N/A | 100 | 736 | | 90 | | 41.9-114 | | | O2 |
| Pentachlorophenol | 5080479 | | 816 | ug/kg wet | N/A | 500 | 636 | | 78 | | 13-127 | | | O2 |
| Phenanthrene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 721 | | 88 | | 42.9-113 | | | O2 |
| Phenol | 5080479 | | 816 | ug/kg wet | N/A | 100 | 695 | | 85 | | 43.1-110 | | | O2 |
| Pyrene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 774 | | 95 | | 41-122 | | | O2 |
| Pyridine | 5080479 | | 816 | ug/kg wet | N/A | 100 | 529 | | 65 | | 0-200 | | | O2 |
| 1,2,4-Trichlorobenzene | 5080479 | | 816 | ug/kg wet | N/A | 100 | 657 | | 81 | | 35.4-110 | | | O2 |
| 2,4,5-Trichlorophenol | 5080479 | | 816 | ug/kg wet | N/A | 500 | 744 | | 91 | | 37.4-115 | | | O2 |
| 2,4,6-Trichlorophenol | 5080479 | | 816 | ug/kg wet | N/A | 100 | 634 | | 78 | | 39.3-110 | | | O2 |
| *Surrogate: 2-Fluorophenol* | *5080479* | | | ug/kg wet | | | | | *76* | | *10-136* | | | O2 |
| *Surrogate: Phenol-d6* | *5080479* | | | ug/kg wet | | | | | *88* | | *10-136* | | | O2 |
| *Surrogate: Nitrobenzene-d5* | *5080479* | | | ug/kg wet | | | | | *80* | | *10-135* | | | O2 |
| *Surrogate: 2-Fluorobiphenyl* | *5080479* | | | ug/kg wet | | | | | *84* | | *10-129* | | | O2 |
| *Surrogate: 2,4,6-Tribromophenol* | *5080479* | | | ug/kg wet | | | | | *95* | | *10-132* | | | O2 |
| *Surrogate: p-Terphenyl-d14* | *5080479* | | | ug/kg wet | | | | | *89* | | *10-148* | | | O2 |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | | | | | | | |
| **QC Source Sample: WOH0751-01** | | | | | | | | | | | | | | |
| Mercury | 5080741 | 0.047 | 0.341 | mg/kg dry | N/A | 0.0100 | 0.374 | 0.383 | 96 | 99 | 56-140 | 2 | 24 | |
| **QC Source Sample: WOH0783-02** | | | | | | | | | | | | | | |
| Aluminum | 5080749 | 6300 | 82.9 | mg/kg dry | N/A | 1.3 | 10800 | 11800 | 5430 | 6630 | 70-730 | 9 | 20 | MHA,B |
| Antimony | 5080749 | <1.1 | 82.9 | mg/kg dry | N/A | 1.1 | 12.5 | 8.82 | 15 | 11 | 70-122 | 35 | 30 | M12 |
| Arsenic | 5080749 | <2.2 | 82.9 | mg/kg dry | N/A | 2.2 | 27.4 | 26.2 | 33 | 32 | 67-127 | 4 | 21 | M12 |
| Barium | 5080749 | 83 | 41.5 | mg/kg dry | N/A | 0.11 | 122 | 132 | 94 | 118 | 57-124 | 8 | 32 | |
| Beryllium | 5080749 | 0.40 | 41.5 | mg/kg dry | N/A | 0.011 | 29.5 | 29.9 | 70 | 71 | 56-131 | 1 | 25 | |
| Cadmium | 5080749 | 0.23 | 41.5 | mg/kg dry | N/A | 0.10 | 29.9 | 30.5 | 71 | 73 | 65-118 | 2 | 18 | |
| Chromium | 5080749 | 12 | 41.5 | mg/kg dry | N/A | 0.18 | 51.3 | 53.6 | 95 | 100 | 63-122 | 4 | 21 | |
| Cobalt | 5080749 | 6.9 | 41.5 | mg/kg dry | N/A | 0.55 | 37.4 | 38.8 | 73 | 77 | 56-122 | 4 | 22 | |
| Copper | 5080749 | 13 | 82.9 | mg/kg dry | N/A | 1.6 | 76.9 | 78.1 | 77 | 79 | 69-123 | 2 | 25 | |
| Iron | 5080749 | 11000 | 82.9 | mg/kg dry | N/A | 1.3 | 14500 | 15400 | 4220 | 5310 | 60-131 | 6 | 42 | MHA |
| Lead | 5080749 | 7.6 | 82.9 | mg/kg dry | N/A | 1.2 | 60.2 | 61.3 | 63 | 65 | 67-120 | 2 | 18 | M12 |
| Magnesium | 5080749 | 4400 | 82.9 | mg/kg dry | N/A | 1.2 | 4980 | 5190 | 700 | 953 | 74-122 | 4 | 31 | MHA |
| Manganese | 5080749 | 350 | 41.5 | mg/kg dry | N/A | 0.080 | 346 | 378 | -10 | 67 | 69-119 | 9 | 27 | M12,B |
| Nickel | 5080749 | 11 | 82.9 | mg/kg dry | N/A | 0.35 | 72.4 | 73.4 | 74 | 75 | 63-117 | 1 | 21 | |
| Potassium | 5080749 | 670 | 166 | mg/kg dry | N/A | 1.7 | 1410 | 1590 | 446 | 554 | 70-130 | 12 | 20 | MHA |
| Selenium | 5080749 | 17 | 166 | mg/kg dry | N/A | 4.0 | 207 | 211 | 114 | 117 | 63-120 | 2 | 21 | B |
| Silver | 5080749 | 0.21 | 41.5 | mg/kg dry | N/A | 0.11 | 31.3 | 31.6 | 75 | 76 | 65-121 | 1 | 30 | |
| Sodium | 5080749 | 140 | 124 | mg/kg dry | N/A | 0.88 | 295 | 297 | 125 | 127 | 70-130 | 1 | 20 | B |
| Thallium | 5080749 | <3.2 | 82.9 | mg/kg dry | N/A | 3.2 | 49.1 | 51.1 | 59 | 62 | 70-130 | 4 | 20 | M12 |
| Vanadium | 5080749 | 22 | 41.5 | mg/kg dry | N/A | 0.13 | 72.2 | 75.9 | 121 | 130 | 70-130 | 5 | 20 | |
| Zinc | 5080749 | 92 | 41.5 | mg/kg dry | N/A | 0.24 | 99.1 | 121 | 17 | 70 | 57-125 | 20 | 39 | M12,B |
| **Total Metals per EPA 6000 Series Methods** | | | | | | | | | | | | | | |
| **QC Source Sample: WOH0783-02** | | | | | | | | | | | | | | |
| Calcium | 5080749 | 11000 | 82.9 | mg/kg dry | N/A | 1.2 | 11100 | 11700 | 121 | 844 | 70-130 | 5 | 20 | B,MHA |
| **Semivolatile Organic Compounds by EPA Method 8270C** | | | | | | | | | | | | | | |
| **QC Source Sample: B508374-01** | | | | | | | | | | | | | | |
| Acenaphthene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 677 | 685 | 75 | 76 | 16.7-115 | 1 | 40 | |
| Acenaphthylene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 701 | 708 | 78 | 79 | 18.5-114 | 1 | 40 | |
| Aniline | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 388 | 421 | 43 | 47 | 10-110 | 8 | 40 | |
| Anthracene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 726 | 751 | 81 | 84 | 17.2-116 | 3 | 40 | |
| Benzidine | 5080479 | <2000 | 1800 | ug/kg dry | N/A | 2000 | 212 | 341 | 12 | 19 | 0-200 | 47 | 200 | |
| Benzoic acid | 5080479 | <500 | 898 | ug/kg dry | N/A | 500 | 151 | 174 | 17 | 19 | 10-110 | 14 | 40 | |
| Benz (a) anthracene | 5080479 | 22.2 | 898 | ug/kg dry | N/A | 100 | 745 | 778 | 81 | 84 | 10-122 | 4 | 40 | |
| Benzo (a) pyrene | 5080479 | 68.7 | 898 | ug/kg dry | N/A | 58.0 | 739 | 747 | 75 | 76 | 10-119 | 1 | 40 | |
| Benzo (b) fluoranthene | 5080479 | 24.0 | 898 | ug/kg dry | N/A | 100 | 707 | 791 | 76 | 85 | 10-117 | 11 | 40 | |
| Benzo (ghi) perylene | 5080479 | 24.0 | 898 | ug/kg dry | N/A | 100 | 772 | 779 | 83 | 84 | 10-110 | 1 | 40 | |
| Benzo (k) fluoranthene | 5080479 | 24.4 | 898 | ug/kg dry | N/A | 100 | 812 | 779 | 88 | 84 | 10-122 | 4 | 40 | |
| Benzyl alcohol | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 735 | 709 | 82 | 79 | 28.1-112 | 4 | 40 | |
| Bis(2-chloroethoxy)methane | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 670 | 644 | 75 | 72 | 29.9-110 | 4 | 40 | |
| Bis(2-chloroethyl)ether | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 685 | 660 | 76 | 74 | 21.8-115 | 4 | 40 | |
| Bis(2-chloroisopropyl)ether | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 629 | 602 | 70 | 67 | 19.4-117 | 4 | 40 | |
| Bis(2-ethylhexyl)phthalate | 5080479 | <330 | 898 | ug/kg dry | N/A | 330 | 834 | 891 | 93 | 99 | 10-132 | 7 | 40 | |
| 4-Bromophenyl phenyl ether | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 698 | 711 | 78 | 79 | 18.6-113 | 2 | 40 | |
| Butyl benzyl phthalate | 5080479 | <330 | 898 | ug/kg dry | N/A | 330 | 843 | 856 | 94 | 95 | 10-133 | 2 | 40 | |
| Carbazole | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 738 | 758 | 82 | 84 | 20.9-113 | 3 | 40 | |

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ANALYTICAL TESTING CORPORATION
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WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
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Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by EPA Method 8270C** | | | | | | | | | | | | | | |
| **QC Source Sample: B508374-01** | | | | | | | | | | | | | | |
| 4-Chloroaniline | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 473 | 542 | 53 | 60 | 10-110 | 14 | 40 | |
| 4-Chloro-3-methylphenol | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 656 | 679 | 73 | 76 | 30.6-114 | 3 | 40 | |
| 2-Chloronaphthalene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 676 | 672 | 75 | 75 | 14.8-113 | 1 | 40 | |
| 2-Chlorophenol | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 690 | 593 | 77 | 66 | 27.1-114 | 15 | 40 | |
| 4-Chlorophenyl phenyl ether | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 680 | 691 | 76 | 77 | 14-117 | 2 | 40 | |
| Chrysene | 5080479 | 25.9 | 898 | ug/kg dry | N/A | 100 | 730 | 769 | 78 | 83 | 10-123 | 5 | 40 | |
| Dibenz (a,h) anthracene | 5080479 | 76.1 | 898 | ug/kg dry | N/A | 58.0 | 742 | 740 | 74 | 74 | 10-110 | 0 | 40 | |
| Dibenzofuran | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 688 | 704 | 77 | 78 | 14.9-115 | 2 | 40 | |
| 1,2-Dichlorobenzene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 617 | 588 | 69 | 66 | 16.1-113 | 5 | 40 | |
| 1,3-Dichlorobenzene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 593 | 583 | 66 | 65 | 15.5-111 | 2 | 40 | |
| 1,4-Dichlorobenzene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 602 | 586 | 67 | 65 | 16.9-110 | 3 | 40 | |
| 3,3´-Dichlorobenzidine | 5080479 | <500 | 1800 | ug/kg dry | N/A | 500 | 1470 | 1680 | 82 | 93 | 10-122 | 13 | 40 | |
| 2,4-Dichlorophenol | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 672 | 670 | 75 | 75 | 19.9-111 | 0 | 40 | |
| Diethyl phthalate | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 795 | 737 | 89 | 82 | 22.5-116 | 8 | 40 | |
| 2,4-Dimethylphenol | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 664 | 663 | 74 | 74 | 17.6-112 | 0 | 40 | |
| Dimethyl phthalate | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 708 | 722 | 79 | 80 | 31.2-113 | 2 | 40 | |
| Di-n-butyl phthalate | 5080479 | <330 | 898 | ug/kg dry | N/A | 330 | 834 | 835 | 93 | 93 | 18.9-118 | 0 | 40 | |
| 4,6-Dinitro-2-methylphenol | 5080479 | 141 | 898 | ug/kg dry | N/A | 500 | 583 | 603 | 49 | 51 | 10-118 | 3 | 40 | |
| 2,4-Dinitrophenol | 5080479 | <500 | 898 | ug/kg dry | N/A | 500 | 356 | 374 | 40 | 42 | 10-110 | 5 | 40 | |
| 2,4-Dinitrotoluene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 689 | 715 | 77 | 80 | 21.7-120 | 4 | 40 | |
| 2,6-Dinitrotoluene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 735 | 752 | 82 | 84 | 25.3-118 | 2 | 40 | |
| Di-n-octyl phthalate | 5080479 | 136 | 898 | ug/kg dry | N/A | 330 | 891 | 877 | 84 | 83 | 10-129 | 2 | 40 | |
| 1,2-Diphenylhydrazine | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 725 | 744 | 81 | 83 | 0-200 | 3 | 200 | |
| Fluoranthene | 5080479 | 25.1 | 898 | ug/kg dry | N/A | 100 | 783 | 814 | 84 | 88 | 10-126 | 4 | 40 | |
| Fluorene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 691 | 719 | 77 | 80 | 19.1-114 | 4 | 40 | |
| Hexachlorobenzene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 688 | 709 | 77 | 79 | 12.2-114 | 3 | 40 | |
| Hexachlorobutadiene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 617 | 592 | 69 | 66 | 10-114 | 4 | 40 | |
| Hexachlorocyclopentadiene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 291 | 254 | 32 | 28 | 10-110 | 14 | 40 | |
| Hexachloroethane | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 577 | 553 | 64 | 62 | 10-113 | 4 | 40 | |
| Indeno (1,2,3-cd) pyrene | 5080479 | 72.7 | 898 | ug/kg dry | N/A | 100 | 748 | 754 | 75 | 76 | 10-115 | 1 | 40 | |
| Isophorone | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 693 | 683 | 77 | 76 | 29.1-112 | 1 | 40 | |
| 2-Methylnaphthalene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 646 | 637 | 72 | 71 | 11.5-117 | 1 | 40 | |
| o-Cresol | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 676 | 674 | 75 | 75 | 29.5-112 | 0 | 40 | |
| m,p-Cresols | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 701 | 691 | 78 | 77 | 19.7-121 | 1 | 40 | |
| Naphthalene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 652 | 643 | 73 | 72 | 14.5-114 | 1 | 40 | |
| 2-Nitroaniline | 5080479 | <500 | 898 | ug/kg dry | N/A | 500 | 710 | 721 | 79 | 80 | 29.1-119 | 2 | 40 | |
| 3-Nitroaniline | 5080479 | <500 | 898 | ug/kg dry | N/A | 500 | 632 | 685 | 70 | 76 | 26.3-112 | 8 | 40 | |
| 4-Nitroaniline | 5080479 | <500 | 898 | ug/kg dry | N/A | 500 | 718 | 727 | 80 | 81 | 31.8-113 | 1 | 40 | |
| Nitrobenzene | 5080479 | <70.0 | 898 | ug/kg dry | N/A | 70.0 | 640 | 613 | 71 | 68 | 24.2-112 | 4 | 40 | |
| 2-Nitrophenol | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 684 | 673 | 76 | 75 | 17.9-117 | 2 | 40 | |
| 4-Nitrophenol | 5080479 | <500 | 898 | ug/kg dry | N/A | 500 | 299 | 305 | 33 | 34 | 10-121 | 2 | 40 | |
| N-Nitrosodimethylamine | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 667 | 635 | 74 | 71 | 0-200 | 5 | 200 | |
| N-Nitrosodi-n-propylamine | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 699 | 674 | 78 | 75 | 31.4-120 | 4 | 40 | |
| N-Nitrosodiphenylamine | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 700 | 731 | 78 | 81 | 20.1-120 | 4 | 40 | |
| Pentachlorophenol | 5080479 | 185 | 898 | ug/kg dry | N/A | 500 | 618 | 634 | 48 | 50 | 10-116 | 3 | 40 | |

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
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Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by EPA Method 8270C** | | | | | | | | | | | | | | |
| **QC Source Sample: B508374-01** | | | | | | | | | | | | | | |
| Phenanthrene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 710 | 740 | 79 | 82 | 12.2-120 | 4 | 40 | |
| Phenol | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 669 | 676 | 75 | 75 | 32.4-112 | 1 | 40 | |
| Pyrene | 5080479 | 22.9 | 898 | ug/kg dry | N/A | 100 | 769 | 811 | 83 | 88 | 10-134 | 5 | 40 | |
| Pyridine | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 512 | 520 | 57 | 58 | 0-200 | 2 | 200 | |
| 1,2,4-Trichlorobenzene | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 629 | 607 | 70 | 68 | 13-110 | 4 | 40 | |
| 2,4,5-Trichlorophenol | 5080479 | <500 | 898 | ug/kg dry | N/A | 500 | 767 | 764 | 85 | 85 | 10-121 | 0 | 40 | |
| 2,4,6-Trichlorophenol | 5080479 | <100 | 898 | ug/kg dry | N/A | 100 | 666 | 671 | 74 | 75 | 17.7-116 | 1 | 40 | |
| *Surrogate: 2-Fluorophenol* | *5080479* | | | ug/kg dry | | | | | *71* | *69* | *10-136* | | | |
| *Surrogate: Phenol-d6* | *5080479* | | | ug/kg dry | | | | | *78* | *79* | *10-136* | | | |
| *Surrogate: Nitrobenzene-d5* | *5080479* | | | ug/kg dry | | | | | *72* | *71* | *10-135* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *5080479* | | | ug/kg dry | | | | | *73* | *75* | *10-129* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *5080479* | | | ug/kg dry | | | | | *87* | *87* | *10-132* | | | |
| *Surrogate: p-Terphenyl-d14* | *5080479* | | | ug/kg dry | | | | | *79* | *84* | *10-148* | | | |

TestAmerica
ANALYTICAL TESTING CORPORATION
602 Commerce Drive Watertown, WI 53094 * 800-833-7036 * Fax 920-261-8120

WESTON SOLUTIONS
20 N. Wacker Drive Suite 1210
Chicago, IL 60606
Heidi Gorrill

Work Order: WOH0783
Project: Watertown Tire Fire Soil/Sediment
Project Number: Watertown Tire Fire

Received: 08/22/05
Reported: 08/24/05 13:41

## CERTIFICATION SUMMARY

**TestAmerica Analytical - Watertown**

| Method | Matrix | Nelac | Wisconsin |
|---|---|---|---|
| EPA 245.5 | Solid/Soil | | X |
| SW 5035 | Solid/Soil | X | X |
| SW 6010B | Solid/Soil | X | X |
| SW 8260B | Solid/Soil | X | X |
| SW 8270C | Solid/Soil | | |
| SW 9045C | Water - NonPotable | | |

**Subcontracted Laboratories**

GREAT LAKES ANALYTICAL - Buffalo Grove NELAC Cert #100261, Wisconsin Cert #999917160, Illinois Cert #100261

1380 Busch Parkway - Buffalo Grove, IL 60089

Method Performed: EPA 5035 7.5
Samples: WOH0783-01, WOH0783-02, WOH0783-03

Method Performed: EPA 8270C
Samples: WOH0783-01, WOH0783-02, WOH0783-03

## DATA QUALIFIERS AND DEFINITIONS

| | |
|---|---|
| **B** | Analyte was detected in the associated Method Blank. |
| **C** | Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted. |
| **C9** | Calibration Verification recovery was outside the method control limits for this analyte. The LCS for this analyte met CCV acceptance criteria, and was used to validate the batch. |
| **L1** | Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits. |
| **L2** | Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits. |
| **M12** | The MS and/or MSD were below the acceptance limits. See calibration verification (CCV) |
| **MHA** | Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. |
| **O2** | One or more internal standard recoveries were below the method specified acceptance criteria. |
| **R2** | The RPD exceeded the acceptance limit. |
| **R9** | Sample RPD exceeded the laboratory control limit. |
| **Z6** | Surrogate recovery was below acceptance limits. |

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

WUH0283

**TestAmerica** ANALYTICAL TESTING CORPORATION

Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone 920-261-1660 or 800-833-7036
Fax 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: EA-Weston Solutions  Client #: _____
Address: 20 N Wacker Dr. Suite 1210
City/State/Zip Code: Chicago, IL 60606
Project Manager: Heidi Gorrill
Telephone Number: 312 424 3328  Fax: 312 424 3330
Sampler Name: (Print Name) Kelly Smith
Sampler Signature: Kelly Smith

Project Name: Watertown Tire Fire
Project #: _____
Site/Location ID: _____  State: WI
Report To: _____
Invoice To: _____
Quote #: _____  PO#: _____

TAT
__ Standard
X Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N

| SAMPLE ID | Date Sampled | Time Sampled | G = Grab, C = Composite | Field Filtered | Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other | Preservation & # of Containers: $HNO_3$ | HCl | NaOH | $H_2SO_4$ | Methanol | None | Other (Specify) | Analyze For: VOCs | SVOCs | TAL Metals | pH | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WTF082105SED01 | 8/21/05 | 1530 | G | | S | | | | | | 3 | 1 | X | X | X | X | |
| WTF082105SED02 | ↓ | 1545 | G | | S | | | | | | 3 | 1 | X | X | X | X | |
| WTF082105SED03 | ↓ | 1600 | G | | S | | | | | | 3 | 1 | X | X | X | X | |

QC Deliverables
__ None
__ Level 2 (Batch QC)
__ Level 3
__ Level 4
Other: _____

Special Instructions:
Extra sample should TCLP be required.

| | Date: | Time: | | Date: | Time: |
|---|---|---|---|---|---|
| Relinquished By: | 8/22 | 730 | Received By: | 8/22 | 7:30 |
| Relinquished By: | 8/22 | 730 | Received By: | | |
| Relinquished By: | Date: | Time: | Received By: M. Jarich | Date: 8/22 | Time: 8:43 |

LABORATORY COMMENTS:
Init Lab Temp: ICE
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment: TA

8/22/05