URS

April 13, 2009

Mr. David Gunnarson
Lockheed Martin Corporation
1210 Massillon Road
Akron, Ohio 44315

**Re: Interim Report**
**Stormwater Sampling – Event No. 2 (March 25, 2009)**
**Akron Airdock, Akron, Ohio**

Dear Mr. Gunnarson:

URS conducted the second stormwater sampling event at the Akron Airdock on March 25, 2009. Sampling and analysis procedures followed the *Stormwater Sampling and Analysis Plan - Revision 1* (SAP), for the Akron Airdock dated November 17, 2008 that was previously provided to the Ohio Environmental Protection Agency (Ohio EPA).

This interim report transmits the results of the March 25, 2009 sampling. Because of temporal and spatial variability that is inherent in stormwater sampling and analysis, no trends can be established and no co

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***Analytical Results***

TestAmerica analyzed the unfiltered samples for polychlorinated biphenyls (PCBs) by United States Environmental Protection Agency (U.S. EPA) Method 8082-low level and total suspended solids (TSS) by Standard Methods (SM) 2540D. Table 1 presents the lab and field results; Figure 1 shows the sampling locations and a lab data summary. The complete laboratory report is attached in Appendix A.

URS' data review report of the lab results is attached as Appendix B. The data are considered usable for supporting project objectives.

As summarized below, concentrations of total PCBs in the March 25, 2009 on-property samples ranged from non-detect (0.2 U microgram per liter [µg/L]) at the west si

***Future Activities***

Monitoring is continuing under the current SAP. URS recommends no changes in the program at this time.

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# APPENDIX A

# LABORATORY REPORT

# ANALYTICAL REPORT

**AIRDOCK EXTERIOR**

**Lot #: A9C250272**

**David Gunnarson**

**Lockheed Martin Tactical Defen**
**Maritime Systems and Sensors**
**MS2**
**1210 Massilon Road**
**Akron, OH 44315-0001**

**TESTAMERICA LABORATORIES, INC.**

Approved for release.
Mark J. Loeb
Project Manager II
4/3/2009 1:07 PM

**Mark J. Loeb**
Project Manager
mark.loeb@testamericainc.com

**April 3, 2009**

# CASE NARRATIVE

A9C250272

The following report contains the analytical results for seven water samples submitted to TestAmerica North Canton by Lockheed Martin Tactical Defense Systems from the Airdock Exterior Site. The samples were received March 25, 2009, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to David Gunnarson and Jennifer J. Krueger on April 01, 2009. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Mark J. Loeb, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

## SUPPLEMENTAL QC INFORMATION

### SAMPLE RECEIVING

The temperatures of the coolers upon sample receipt were 4.7 and 5.0°C.

# CASE NARRATIVE (continued)

## POLYCHLORINATED BIPHENYLS-8082

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

There were no client requested Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples in batch(es) 9085040. Therefore, the laboratory has included a Laboratory Control Sample Duplicate (LCSD) in the QC batch. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system.

## GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

# QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data. Program or agency specific requirements take precedence over the requirements listed in this narrative.

**QC BATCH**

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

**LABORATORY CONTROL SAMPLE**

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created

## QUALITY CONTROL ELEMENTS NARRATIVE (continued)

Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

**MATRIX SPIKE/MATRIX SPIKE DUPLICATE**

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

**SURROGATE COMPOUNDS**

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared

***TestAmerica Certifications and Approvals:***

*The laboratory is certified for the analytes listed on the documents below. These are available upon request.*
*California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),*
*Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Nevada (#OH-000482008A), OhioVAP (#CL0024), Pennsylvania (#008), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit*

# EXECUTIVE SUMMARY - Detection Highlights

**A9C250272**

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **LM-SW-PAE-5 03/25/09 10:33 001** | | | | |
| Aroclor 1268 | 0.095 J | 0.20 | ug/L | SW846 8082 |
| Total Suspended Solids | 14 | 4.0 | mg/L | SM18 2540 D |
| **LM-SW-PAE-3 03/25/09 11:05 002** | | | | |
| Aroclor 1268 | 0.059 J | 0.20 | ug/L | SW846 8082 |
| Total Suspended Solids | 22 | 4.0 | mg/L | SM18 2540 D |
| **LM-SW-PAE-2 03/25/09 11:15 003** | | | | |
| Aroclor 1268 | 0.30 | 0.20 | ug/L | SW846 8082 |
| Total Suspended Solids | 34 | 4.0 | mg/L | SM18 2540 D |
| **LM-SW-CB1462 03/25/09 11:23 004** | | | | |
| Aroclor 1268 | 0.48 | 0.20 | ug/L | SW846 8082 |
| Total Suspended Solids | 10 | 4.0 | mg/L | SM18 2540 D |
| **LM-SW-TEMP001 03/25/09 09:00 007** | | | | |
| Total Suspended Solids | 1300 | 8.0 | mg/L | SM18 2540 D |

# ANALYTICAL METHODS SUMMARY

**A9C250272**

| PARAMETER | ANALYTICAL METHOD |
|---|---|
| PCBs by SW-846 8082 | SW846 8082 |
| Total Suspended Solids | SM18 2540 D |

**References:**

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# SAMPLE SUMMARY

**A9C250272**

| WO # | SAMPLE# | CLIENT SAMPLE ID | SAMPLED DATE | SAMP TIME |
|---|---|---|---|---|
| K85FL | 001 | LM-SW-PAE-5 | 03/25/09 | 10:33 |
| K85FX | 002 | LM-SW-PAE-3 | 03/25/09 | 11:05 |
| K85F0 | 003 | LM-SW-PAE-2 | 03/25/09 | 11:15 |
| K85F1 | 004 | LM-SW-CB1462 | 03/25/09 | 11:23 |
| K85F3 | 005 | LM-SW-PAW-7 | 03/25/09 | 09:48 |
| K85F4 | 006 | LM-SW-601 | 03/25/09 | 09:25 |
| K85F5 | 007 | LM-SW-TEMP001 | 03/25/09 | 09:00 |

**NOTE(S):**

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

**Lockheed Martin Tactical Defense Systems**

**Client Sample ID: LM-SW-PAE-5**

**Lockheed Martin Tactical Defense Systems**

**Client Sample ID: LM-SW-PAE-5**

**General Chemistry**

**Lot-Sample #...:** A9C250272-001 **Work Order #...:** K85FL **Matrix.....:** WG
**Date Sampled...:** 03/25/09 10:33 **Date Received..:** 03/25/09

| PARAMETER | RESULT | RL | UNITS | METHOD | PREPARATION-ANALYSIS DATE | PREP BATCH # |
|---|---|---|---|---|---|---|
| **Total Suspended Solids** | **14** | **4.0** | **mg/L** | **SM18 2540 D** | **03/26/09** | **9085115** |

Dilution Factor: 1

**Lockheed Martin Tactical Defense Systems**

**Client Sample ID: LM-SW-PAE-3**

**GC Semivolatiles**

**Lot-Sample #...:** A9C250272-002 **Work Order #...:** K85FX1AA **Matrix.....:** WG
**Date Sampled...:** 03/25/09 11:05 **Date Received..:** 03/25/09
**Prep Date.....:** 03/26/09 **Analysis Date..:** 03/30/09
**Prep Batch #...:** 9085040
**Dilution Factor:** 1 **Method.....:** SW846 8082

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| **Aroclor 1268** | **0.059 J** | **0.20** | **ug/L** |
| Aroclor 1016 | ND | 0.20 | ug/L |
| Aroclor 1221 | ND | 0.20 | ug/L |
| Aroclor 1232 | ND | 0.20 | ug/L |
| Aroclor 1242 | ND | 0.20 | ug/L |
| Aroclor 1248 | ND | 0.20 | ug/L |
| Aroclor 1254 | ND | 0.20 | ug/L |
| Aroclor 1260 | ND | 0.20 | ug/L |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Tetrachloro-m-xylene | 88 | (35 - 130) |
| Decachlorobiphenyl | 35 | (10 - 110) |

**NOTE(S):**

J Estimated result. Result is less than RL.

**Lockheed Martin Tactical Defense Systems**

**Client Sample ID: LM-SW-PAE-3**

**General Chemistry**

**Lot-Sample #...:** A9C250272-002 **Work Order #...:** K85FX **Matrix.....:** WG
**Date Sampled...:** 03/25/09 11:05 **Date Received..:** 03/25/09

| PARAMETER | RESULT | RL | UNITS | METHOD | PREPARATION-ANALYSIS DATE | PREP BATCH # |
|---|---|---|---|---|---|---|
| **Total Suspended Solids** | **22** | **4.0** | **mg/L** | **SM18 2540 D** | **03/26/09** | **9085115** |

Dilution Factor: 1

**Lockheed Martin Tactical Defense Systems**

**Client Sample ID: LM-SW-PAE-2**

**GC Semivolatiles**

**Lot-Sample #...:** A9C250272-003 **Work Order #...:** K85F01AA **Matrix.....:** WG
**Date Sampled...:** 03/25/09 11:15 **Date Received..:** 03/25/09
**Prep Date.....:** 03/26/09 **Analysis Date..:** 03/30/09
**Prep Batch #...:** 9085040
**Dilution Factor:** 1 **Method.....:** SW846 8082

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| **Aroclor 1268** | **0.30** | **0.20** | **ug/L** |
| Aroclor 1016 | ND | 0.20 | ug/L |
| Aroclor 1221 | ND | 0.20 | ug/L |
| Aroclor 1232 | ND | 0.20 | ug/L |
| Aroclor 1242 | ND | 0.20 | ug/L |
| Aroclor 1248 | ND | 0.20 | ug/L |
| Aroclor 1254 | ND | 0.20 | ug/L |
| Aroclor 1260 | ND | 0.20 | ug/L |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Tetrachloro-m-xylene | 64 | (35 - 130) |
| Decachlorobiphenyl | 26 | (10 - 110) |

**Lockheed Martin Tactical Defense Systems**

**Client Sample ID: LM-SW-PAE-2**

**General Chemistry**

**Lot-Sample #...:** A9C250272-003 **Work Order #...:** K85F0 **Matrix.....:** WG
**Date Sampled...:** 03/25/09 11:15 **Date Received..:** 03/25/09

| PARAMETER | RESULT | RL | UNITS | METHOD | PREPARATION-ANALYSIS DATE | PREP BATCH # |
|---|---|---|---|---|---|---|
| **Total Suspended Solids** | **34** | **4.0** | **mg/L** | **SM18 2540 D** | **03/26/09** | **9085115** |

Dilution Factor: 1

**Lockheed Martin Tactical Defense Systems**

**Client Sample ID: LM-SW-CB1462**

**GC Semivolatiles**

**Lot-Sample #...:** A9C250272-004 **Work Order #...:** K85F11AA **Matrix.....:** WG
**Date Sampled...:** 03/25/09 11:23 **Date Received..:** 03/25/09
**Prep Date.....:** 03/26/09 **Analysis Date..:** 03/30/09
**Prep Batch #...:** 9085040
**Dilution Factor:** 1 **Method.....:** SW846 8082

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| **Aroclor 1268** | **0.48** | **0.20** | **ug/L** |
| Aroclor 1016 | ND | 0.20 | ug/L |
| Aroclor 1221 | ND | 0.20 | ug/L |
| Aroclor 1232 | ND | 0.20 | ug/L |
| Aroclor 1242 | ND | 0.20 | ug/L |
| Aroclor 1248 | ND | 0.20 | ug/L |
| Aroclor 1254 | ND | 0.20 | ug/L |
| Aroclor 1260 | ND | 0.20 | ug/L |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Tetrachloro-m-xylene | 85 | (35 - 130) |
| Decachlorobiphenyl | 30 | (10 - 110) |

**Lockheed Martin Tactical Defense Systems**

**Client Sample ID: LM-SW-CB1462**

**General Chemistry**

**Lot-Sample #...:** A9C250272-004 **Work Order #...:** K85F1 **Matrix.....:** WG
**Date Sampled...:** 03/25/09 11:23 **Date Received..:** 03/25/09

| PARAMETER | RESULT | RL | UNITS | METHOD | PREPARATION-ANALYSIS DATE | PREP BATCH # |
|---|---|---|---|---|---|---|
| **Total Suspended Solids** | **10** | **4.0** | **mg/L** | **SM18 2540 D** | **03/26/09** | **9085115** |

Dilution Factor: 1

**Lockheed Martin Tactical Defense Systems**

**Client Sample ID: LM-SW-PAW-7**

**GC Semivolatiles**

**Lot-Sample #...:** A9C250272-005 **Work Order #...:** K85F31AA **Matrix.....:** WG
**Date Sampled...:** 03/25/09 09:48 **Date Received..:** 03/25/09
**Prep Date.....:** 03/26/09 **Analysis Date..:** 03/30/09
**Prep Batch #...:** 9085040
**Dilution Factor:** 1 **Method.....:** SW846 8082

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Aroclor 1268 | ND | 0.20 | ug/L |
| Aroclor 1016 | ND | 0.20 | ug/L |
| Aroclor 1221 | ND | 0.20 | ug/L |
| Aroclor 1232 | ND | 0.20 | ug/L |
| Aroclor 1242 | ND | 0.20 | ug/L |
| Aroclor 1248 | ND | 0.20 | ug/L |
| Aroclor 1254 | ND | 0.20 | ug/L |
| Aroclor 1260 | ND | 0.20 | ug/L |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Tetrachloro-m-xylene | 97 | (35 - 130) |
| Decachlorobiphenyl | 33 | (10 - 110) |

**Lockheed Martin Tactical Defense Systems**

**Client Sample ID: LM-SW-PAW-7**

**General Chemistry**

**Lot-Sample #...:** A9C250272-005 **Work Order #...:** K85F3 **Matrix.....:** WG
**Date Sampled...:** 03/25/09 09:48 **Date Received..:** 03/25/09

| PARAMETER | RESULT | RL | UNITS | METHOD | PREPARATION-ANALYSIS DATE | PREP BATCH # |
|---|---|---|---|---|---|---|
| Total Suspended Solids | ND | 4.0 | mg/L | SM18 2540 D | 03/26/09 | 9085115 |

Dilution Factor: 1

**Lockheed Martin Tactical Defense Systems**

**Client Sample ID: LM-SW-601**

**GC Semivolatiles**

**Lot-Sample #...:** A9C250272-006 **Work Order #...:** K85F41AA **Matrix.....:** WG
**Date Sampled...:** 03/25/09 09:25 **Date Received..:** 03/25/09
**Prep Date.....:** 03/26/09 **Analysis Date..:** 03/30/09
**Prep Batch #...:** 9085040
**Dilution Factor:** 1 **Method.....:** SW846 8082

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Aroclor 1268 | ND | 0.20 | ug/L |
| Aroclor 1016 | ND | 0.20 | ug/L |
| Aroclor 1221 | ND | 0.20 | ug/L |
| Aroclor 1232 | ND | 0.20 | ug/L |
| Aroclor 1242 | ND | 0.20 | ug/L |
| Aroclor 1248 | ND | 0.20 | ug/L |
| Aroclor 1254 | ND | 0.20 | ug/L |
| Aroclor 1260 | ND | 0.20 | ug/L |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Tetrachloro-m-xylene | 81 | (35 - 130) |
| Decachlorobiphenyl | 25 | (10 - 110) |

**Lockheed Martin Tactical Defense Systems**

**Client Sample ID: LM-SW-601**

**General Chemistry**

**Lot-Sample #...:** A9C250272-006 **Work Order #...:** K85F4 **Matrix.....:** WG
**Date Sampled...:** 03/25/09 09:25 **Date Received..:** 03/25/09

| PARAMETER | RESULT | RL | UNITS | METHOD | PREPARATION-ANALYSIS DATE | PREP BATCH # |
|---|---|---|---|---|---|---|
| Total Suspended Solids | ND | 4.0 | mg/L | SM18 2540 D | 03/26/09 | 9085115 |

Dilution Factor: 1

**Lockheed Martin Tactical Defense Systems**

**Client Sample ID: LM-SW-TEMP001**

**GC Semivolatiles**

**Lot-Sample #...:** A9C250272-007 **Work Order #...:** K85F51AA **Matrix.....:** WG
**Date Sampled...:** 03/25/09 09:00 **Date Received..:** 03/25/09
**Prep Date.....:** 03/26/09 **Analysis Date..:** 03/30/09
**Prep Batch #...:** 9085040
**Dilution Factor:** 1 **Method.....:** SW846 8082

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Aroclor 1268 | ND | 0.20 | ug/L |
| Aroclor 1016 | ND | 0.20 | ug/L |
| Aroclor 1221 | ND | 0.20 | ug/L |
| Aroclor 1232 | ND | 0.20 | ug/L |
| Aroclor 1242 | ND | 0.20 | ug/L |
| Aroclor 1248 | ND | 0.20 | ug/L |
| Aroclor 1254 | ND | 0.20 | ug/L |
| Aroclor 1260 | ND | 0.20 | ug/L |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Tetrachloro-m-xylene | 61 | (35 - 130) |
| Decachlorobiphenyl | 35 | (10 - 110) |

**Lockheed Martin Tactical Defense Systems**

**Client Sample ID: LM-SW-TEMP001**

**General Chemistry**

**Lot-Sample #...:** A9C250272-007 **Work Order #...:** K85F5 **Matrix.....:** WG
**Date Sampled...:** 03/25/09 09:00 **Date Received..:** 03/25/09

| PARAMETER | RESULT | RL | UNITS | METHOD | PREPARATION-ANALYSIS DATE | PREP BATCH # |
|---|---|---|---|---|---|---|
| **Total Suspended Solids** | **1300** | **8.0** | **mg/L** | **SM18 2540 D** | **03/26/09** | **9085115** |

Dilution Factor: 2

# *QUALITY CONTROL SECTION*

## METHOD BLANK REPORT

## GC Semivolatiles

**Client Lot #...:** A9C250272 **Work Order #...:** K851N1AA **Matrix.....:** WATER
**MB Lot-Sample #:** A9C260000-040

**Prep Date.....:** 03/26/09
**Analysis Date..:** 03/30/09 **Prep Batch #...:** 9085040
**Dilution Factor:** 1

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Aroclor 1268 | ND | 0.20 | ug/L | SW846 8082 |
| Aroclor 1016 | ND | 0.20 | ug/L | SW846 8082 |
| Aroclor 1221 | ND | 0.20 | ug/L | SW846 8082 |
| Aroclor 1232 | ND | 0.20 | ug/L | SW846 8082 |
| Aroclor 1242 | ND | 0.20 | ug/L | SW846 8082 |
| Aroclor 1248 | ND | 0.20 | ug/L | SW846 8082 |
| Aroclor 1254 | ND | 0.20 | ug/L | SW846 8082 |
| Aroclor 1260 | ND | 0.20 | ug/L | SW846 8082 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Tetrachloro-m-xylene | 105 | (35 - 130) |
| Decachlorobiphenyl | 67 | (10 - 110) |

**NOTE(S):**

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

**METHOD BLANK REPORT**

**General Chemistry**

**Client Lot #...:** A9C250272 **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | PREP BATCH # |
|---|---|---|---|---|---|---|
| Total Suspended Solids | | Work Order #: K854N1AA | | MB Lot-Sample #: | A9C260000-115 | |
| | ND | 4.0 | mg/L | SM18 2540 D | 03/26/09 | 9085115 |
| | | Dilution Factor: 1 | | | | |

**NOTE(S):**

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

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC Semivolatiles

**Client Lot #...:** A9C250272 **Work Order #...:** K851N1AC-LCS **Matrix.....:** WATER
**LCS Lot-Sample#:** A9C260000-040 K851N1AD-LCSD
**Prep Date.....:** 03/26/09 **Analysis Date..:** 03/30/09
**Prep Batch #...:** 9085040
**Dilution Factor:** 5

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **Aroclor 1268** | **124** | **(50 - 150)** | | | **SW846 8082** |
| | **129** | **(50 - 150)** | **4.0** | **(0-30)** | **SW846 8082** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Tetrachloro-m-xylene | 84 | (35 - 130) |
| | 96 | (35 - 130) |
| Decachlorobiphenyl | 67 | (10 - 110) |
| | 72 | (10 - 110) |

**NOTE(S):**

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

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### General Chemistry

**Client Lot #...:** A9C250272 **Matrix.....:** WATER

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD | PREPARATION-ANALYSIS DATE | PREP BATCH # |
|---|---|---|---|---|---|
| Total Suspended Solids | | Work Order #: K854N1AC | LCS Lot-Sample#: A9C260000-115 | | |
| | 92 | (73 - 113) | SM18 2540 D | 03/26/09 | 9085115 |
| | | Dilution Factor: 1 | | | |

**NOTE(S):**

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

**SAMPLE DUPLICATE EVALUATION REPORT**

**General Chemistry**

**Client Lot #...:** A9C250272 **Work Order #...:** K84M0-SMP K84M0-DUP **Matrix.....:** WATER

**Date Sampled...:** 03/24/09 **Date Received..:** 03/25/09

| PARAM | RESULT | DUPLICATE RESULT | UNITS | RPD | RPD LIMIT | METHOD | PREPARATION-ANALYSIS DATE | PREP BATCH # |
|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | | | | | | SD Lot-Sample #: A9C250168-001 | | |
| | 10 | 17 | mg/L | 52 | (0-20) | SM18 2540 D | 03/26/09 | 9085115 |

Dilution Factor: 1

**SAMPLE DUPLICATE EVALUATION REPORT**

**General Chemistry**

**Client Lot #...:** A9C250272 **Work Order #...:** K8453-SMP K8453-DUP **Matrix.....:** WATER

**Date Sampled...:** 03/25/09 08:05 **Date Received..:** 03/25/09

| PARAM | RESULT | DUPLICATE RESULT | UNITS | RPD | RPD LIMIT | METHOD | PREPARATION-ANALYSIS DATE | PREP BATCH # |
|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | | | | | | SD Lot-Sample #: A9C250223-002 | | |
| | 21 | 18 | mg/L | 15 | (0-20) | SM18 2540 D | 03/26/09 | 9085116 |

Dilution Factor: 1

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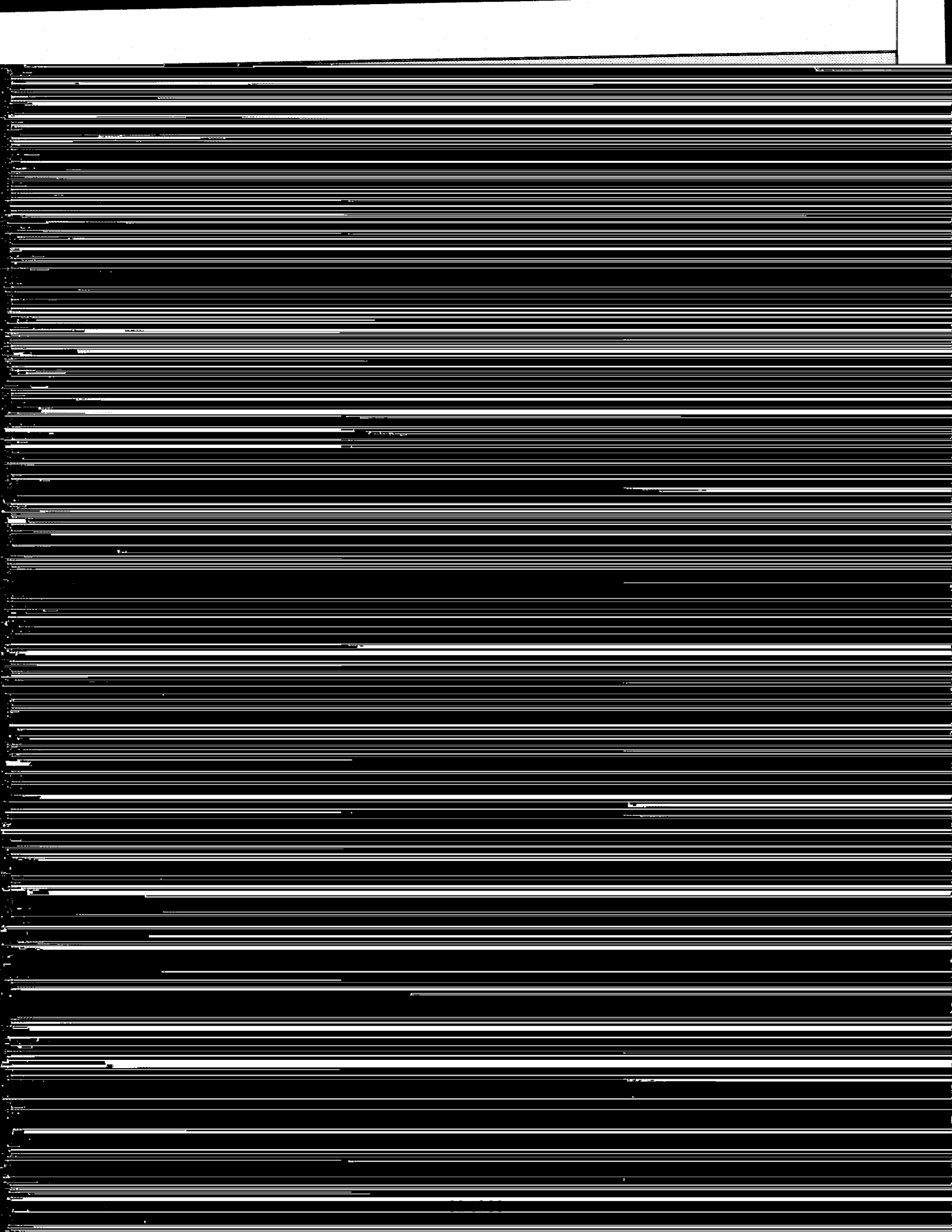

*END OF REPORT*

# APPENDIX B

## DATA REVIEW REPORT

## MARCH 25, 2009 STORMWATER SAMPLING EVENT
## AKRON AIRDOCK
## AKRON, OHIO

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**: A9 250272**

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|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | ug/L | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U |
| Aroclor 1221 | ug/L | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U |
| Aroclor 1232 | ug/L | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U |
| Aroclor 1242 | ug/L | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U |
| Aroclor 1248 | ug/L | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U |
| Aroclor 1254 | ug/L | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U |
| Aroclor 1260 | ug/L | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U | 0.20 U |
| Aroclor 1268 | ug/L | **0.0** J | **0.0** J | **0.** | **0.** | 0.20 U | 0.20 U | 0.20 U |
| Total Suspended Solids | mg/L | **1** | | | **10** | 4.0 U | 4.0 U | **1 00** |

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.