

## **CASE NARRATIVE REVISED**

**Client: Environmental Chemical Corp.**

**Project: RVAAP - ECC**

**Report Number: 240-22648-1**

Revision 06/17/2013: This report has been revised due to a narrative error. Final report generation inadvertently omitted the narrative information after the "TOTAL METALS (ICPMS) section header.

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

The 353.2 Nitrocellulose, 8330 Nitroguanidine and 8330B Explosives analysis were performed at the TestAmerica Sacramento Laboratory. The 6020 Metals analysis was performed at the TestAmerica Pittsburgh Laboratory.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

TestAmerica utilizes USEPA approved methods and DOD QSM, where applicable, 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. A summary of QC data for these analyses is included at the back of the report.

TestAmerica 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.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

All parameters for which TestAmerica North Canton has certification were evaluated to the limit of detection (LOD) and include qualified results where applicable. Parameters not certified under QSM, if any, were evaluated to the detection limit (DL) and include qualified results where applicable.

The sample(s) that contain constituents flagged with U are undetected. The result associated with this flag is the limit of detection (LOD).

### **RECEIPT**

The samples were received on 04/01/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 0.5, 0.7, 0.8, 0.9, 0.9, 1.2, 1.3, 1.4, 1.6, 1.7, 2.2 and 3.2 C.

### **VOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples 073SD-0050-0001-SO (240-22648-13), 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0069M-0001-SO (240-22648-36), 079SB-0071M-0001-SO (240-22648-38), 079SB-0074M-0001-SO (240-22648-40), 068SB-0046M-0001-SO (240-22648-43) and 068SB-0041M-0001-SO

(240-22648-53) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were prepared on 03/29/2013 and analyzed on 04/05/2013 and 04/08/2013.

Acetone and Methylene Chloride were detected in method blank MB 240-80741/30 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Methylene Chloride was detected in method blank MB 240-80954/7 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Carbon disulfide was detected in method blank MB 240-80954/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

1,1,2,2-Tetrachloroethane, Acetone, Bromomethane and Methylene Chloride failed the recovery criteria high for MRL 240-80741/28. Acetone and Methylene Chloride failed the recovery criteria high for MRL 240-80741/5. Acetone and Methylene Chloride failed the recovery criteria high for MRL 240-80954/32. Acetone and Methylene Chloride failed the recovery criteria high for MRL 240-80954/5. Refer to the QC report for details.

4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for 073SD-0050-0001-SO (240-22648-13).

4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria low for 068SB-0046M-0001-SO (240-22648-43).

4-Bromofluorobenzene (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria low for 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0074M-0001-SO (240-22648-40), and 068SB-0041M-0001-SO (240-22648-53).

The Method Reporting Limit (MRL) opener for DoD had Acetone and Methylene Chloride fail high for the percent recoveries. 80741.

Surrogate recovery for the following samples were outside control limits: 068SB-0041M-0001-SO (240-22648-53), 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0074M-0001-SO (240-22648-40). Re-extraction and/or re-analysis were performed with concurring results. The original analysis has been reported.

Surrogate recovery for the following samples were outside of acceptance limits: 073SD-0050-0001-SO (240-22648-13). The second analysis had a poor purge which resulted in little or no internal standard or surrogate recoveries. There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 80741 on these samples 068SB-0041M-0001-SO (240-22648-53), 073SD-0050-0001-SO (240-22648-13), 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0074M-0001-SO (240-22648-40).

The Method Reporting Limit (MRL) opener for DoD had Acetone and Methylene Chloride percent recoveries fail high in batch 80954.

The method blank for preparation batch 80954 contained Methylene Chloride above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Surrogate recovery for the following samples were outside control limits: 068SB-0046M-0001-SO (240-22648-43). Re-extraction and/or re-analysis was performed with concurring results. The original analysis has been reported.

Insufficient sample volume was available to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 80954 on these samples 068SB-0046M-0001-SO (240-22648-43), 079SB-0069M-0001-SO (240-22648-36), 079SB-0071M-0001-SO (240-22648-38).

No other difficulties were encountered during the VOCs analyses. All other quality control parameters were within the acceptance limits.

#### **VOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples 073SW-0061-0001-SW (240-22648-18) and 073SW-0057-0001-TB (240-22648-20) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were analyzed on 04/08/2013.

Acetone failed the recovery criteria low for MRL 240-81013/21. Methylene Chloride failed the recovery criteria high. 1,1,2,2-Tetrachloroethane, cis-1,3-Dichloropropene, Methylene Chloride and trans-1,3-Dichloropropene failed the recovery criteria high for MRL 240-81013/5. Refer to the QC report for details.

No other difficulties were encountered during the VOCs analyses. All other quality control parameters were within the acceptance limits.

#### **POLYCHLORINATED BIPHENYLS (PCBS) WITH INCREMENTAL SAMPLE PREPARATION**

Samples 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0069M-0001-SO (240-22648-36), 079SB-0071M-0001-SO (240-22648-38), 079SB-0074M-0001-SO (240-22648-40), 068SB-0044M-0001-SO (240-22648-41), 068SB-0045M-0001-SO (240-22648-42), 068SB-0046M-0001-SO (240-22648-43), 068SB-0047M-0001-SO (240-22648-44), 068SB-0048M-0001-SO (240-22648-45), 068SB-0033M-0001-SO (240-22648-46), 068SB-0034M-0001-SO (240-22648-47), 068SB-0035M-0001-SO (240-22648-48), 068SB-0038M-0001-SO (240-22648-49), 068SB-0036M-0001-SO (240-22648-50), 068SB-0039M-0001-SO (240-22648-51), 068SB-0040M-0001-SO (240-22648-52), 068SB-0041M-0001-SO (240-22648-53), 068SB-0042M-0001-SO (240-22648-54), 068SB-0050M-0001-SO (240-22648-55), 068SB-0051M-0001-SO (240-22648-56), 068SB-0052M-0001-SO (240-22648-57), 068SB-0053M-0001-SO (240-22648-58), 068SB-0054M-0001-SO (240-22648-59), 068SB-0056M-0001-SO (240-22648-60), 068SB-0057M-0001-SO (240-22648-61) and 068SB-0059M-0001-SO (240-22648-62) were analyzed for Polychlorinated biphenyls (PCBs) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8082 DOD. The samples began the drying process on 04/01/2013, were prepared on 04/08/2013, 04/11/2013 and 04/16/2013 and analyzed on 04/11/2013, 04/15/2013 and 04/18/2013.

The closing continuing calibration verification (CCV) on the confirmation column failed high. (240-22648-62 MS), (240-22648-62 MSD), 068SB-0057M-0001-SO (240-22648-61), 068SB-0059M-0001-SO (240-22648-62) (240-22648-62 MS), (240-22648-62 MSD), 068SB-0057M-0001-SO (240-22648-61), 068SB-0059M-0001-SO (240-22648-62). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The opening and closing MRL's failed high. The samples associated with this MRL (240-22648-62 MS), (240-22648-62 MSD), 068SB-0033M-0001-SO (240-22648-46), 068SB-0034M-0001-SO (240-22648-47), 068SB-0035M-0001-SO (240-22648-48), 068SB-0036M-0001-SO (240-22648-50), 068SB-0038M-0001-SO (240-22648-49), 068SB-0039M-0001-SO (240-22648-51), 068SB-0040M-0001-SO (240-22648-52), 068SB-0042M-0001-SO (240-22648-54), 068SB-0044M-0001-SO (240-22648-41), 068SB-0045M-0001-SO (240-22648-42), 068SB-0047M-0001-SO (240-22648-44), 068SB-0048M-0001-SO (240-22648-45), 068SB-0050M-0001-SO (240-22648-55), 068SB-0051M-0001-SO (240-22648-56), 068SB-0052M-0001-SO (240-22648-57), 068SB-0053M-0001-SO (240-22648-58), 068SB-0054M-0001-SO (240-22648-59), 068SB-0056M-0001-SO (240-22648-60), 068SB-0057M-0001-SO (240-22648-61), 068SB-0059M-0001-SO (240-22648-62) were non-detects for the affected analytes; therefore, the data have been reported.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (240-22648-62 MS), (240-22648-62 MSD), 068SB-0033M-0001-SO (240-22648-46), 068SB-0034M-0001-SO (240-22648-47), 068SB-0035M-0001-SO (240-22648-48), 068SB-0038M-0001-SO (240-22648-49), 068SB-0040M-0001-SO (240-22648-52), 068SB-0042M-0001-SO (240-22648-54), 068SB-0050M-0001-SO (240-22648-55), 068SB-0051M-0001-SO (240-22648-56), 068SB-0052M-0001-SO (240-22648-57), 068SB-0053M-0001-SO (240-22648-58), 068SB-0054M-0001-SO (240-22648-59), 068SB-0057M-0001-SO (240-22648-61), 068SB-0059M-0001-SO (240-22648-62). Lot # S65830.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: 068SB-0041M-0001-SO (240-22648-53), 073SD-0050-0001-SO (240-22648-13), 079SB-0074M-0001-SO (240-22648-40). Lot # s65830.

The opening and closing MRL associated with these samples recovered above the upper control limit. The samples associated with this MRL were non-detects for the affected analytes; therefore, the data have been reported. 068SB-0041M-0001-SO (240-22648-53), 068SB-0046M-0001-SO (240-22648-43), 073SD-0050-0001-SO (240-22648-13), 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0069M-0001-SO (240-22648-36), 079SB-0071M-0001-SO (240-22648-38), 079SB-0074M-0001-SO

(240-22648-40).

Surrogate recovery for the following sample(s) was outside control limits: 073SD-0050-0001-SO (240-22648-13), 079SB-0069M-0001-SO (240-22648-36). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data are reported.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (240-22648-36 MS), (240-22648-36 MSD), 073SD-0050-0001-SO (240-22648-13), 079SB-0069M-0001-SO (240-22648-36). Lot # s65830.

No other difficulties were encountered during the PCBs analyses. All quality control parameters were within the acceptance limits.

#### **SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) WITH INCREMENTAL SAMPLE PREPARATION**

Samples 073SB-0016M-0001-SO (240-22648-1), 073SB-0017M-0001-SO (240-22648-2), 073SB-0019M-0001-SO (240-22648-3), 073SB-0020M-0001-SO (240-22648-4), 073SB-0021M-0001-SO (240-22648-5), 073SB-0022M-0001-SO (240-22648-6), 073SB-0023M-0001-SO (240-22648-7), 073SB-0024M-0001-SO (240-22648-8), 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0069M-0001-SO (240-22648-36), 079SB-0071M-0001-SO (240-22648-38), 079SB-0074M-0001-SO (240-22648-40), 068SB-0044M-0001-SO (240-22648-41), 068SB-0045M-0001-SO (240-22648-42), 068SB-0046M-0001-SO (240-22648-43), 068SB-0047M-0001-SO (240-22648-44), 068SB-0048M-0001-SO (240-22648-45), 068SB-0033M-0001-SO (240-22648-46), 068SB-0034M-0001-SO (240-22648-47), 068SB-0035M-0001-SO (240-22648-48), 068SB-0038M-0001-SO (240-22648-49), 068SB-0036M-0001-SO (240-22648-50), 068SB-0039M-0001-SO (240-22648-51), 068SB-0040M-0001-SO (240-22648-52), 068SB-0041M-0001-SO (240-22648-53), 068SB-0042M-0001-SO (240-22648-54), 068SB-0050M-0001-SO (240-22648-55), 068SB-0051M-0001-SO (240-22648-56), 068SB-0052M-0001-SO (240-22648-57), 068SB-0053M-0001-SO (240-22648-58), 068SB-0054M-0001-SO (240-22648-59), 068SB-0056M-0001-SO (240-22648-60), 068SB-0057M-0001-SO (240-22648-61) and 068SB-0059M-0001-SO (240-22648-62) were analyzed for semivolatile organic compounds (GC-MS) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8270 DoD. The samples began the drying process on 04/01/2013, were prepared on 04/10/2013 and 04/11/2013 and analyzed on 04/16/2013, 04/17/2013 and 04/18/2013.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 240-81308/21-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

No other difficulties were encountered during the SVOCs analyses. All other quality control parameters were within the acceptance limits.

#### **SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples 073SB-0067-0001-SO (240-22648-9), 073SD-0045-0001,0002-SO (240-22648-10), 073SD-0047-0001-SO (240-22648-11), 073SD-0048-0001-SO (240-22648-12), 073SD-0050-0001-SO (240-22648-13) and 073SD-0046-0001-SO (240-22648-14) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/10/2013 and analyzed on 04/16/2013 and 04/17/2013.

Bis(2-ethylhexyl) phthalate and Di-n-butyl phthalate were detected in method blank MB 240-81290/19-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

3,3'-Dichlorobenzidine and 4-Chloroaniline failed the recovery criteria low for the MS of sample 073SD-0045-0001,0002-SOMS (240-22648-10) in batch 240-82073.

3,3'-Dichlorobenzidine failed the recovery criteria low for the MSD of sample 073SD-0045-0001,0002-SOMS (240-22648-10) in batch 240-82073.

No other difficulties were encountered during the SVOCs analyses. All other quality control parameters were within the acceptance limits.

### **SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples 073SW-0056-0001M,0002-SW (240-22648-15), 073SW-0058-0001-SW (240-22648-16), 073SW-0059-0001-SW (240-22648-17), 073SW-0061-0001-SW (240-22648-18) and 073SW-0067-0001-SW (240-22648-21) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/04/2013 and analyzed on 04/11/2013.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

The laboratory control sample (LCS) for batch 80547, associated with samples 073SW-0056-0001M,0002-SW (240-22648-15), 073SW-0056-0001M,0002-SW (240-22648-15 MS), 073SW-0056-0001M,0002-SW (240-22648-15 MSD), 073SW-0058-0001-SW (240-22648-16), 073SW-0059-0001-SW (240-22648-17), 073SW-0061-0001-SW (240-22648-18), 073SW-0067-0001-SW (240-22648-21), had a recovery for hexachlorocyclopentadiene below acceptance criteria. Due to length of time elapsed since sampling no corrective action was initiated. The data have been reported.

No other difficulties were encountered during the SVOCs analyses. All quality control parameters were within the acceptance limits.

### **NITROGUANIDINE (HPLC)**

Sample 073SW-0061-0001-SW (240-22648-18) was analyzed for nitroguanidine (HPLC) in accordance with EPA SW-846 Method 8330\_Ngu. The samples were prepared on 04/08/2013 and analyzed on 04/10/2013.

No difficulties were encountered during the explosives analysis. All quality control parameters were within the acceptance limits.

### **CHLORINATED PESTICIDES WITH INCREMENTAL SAMPLE PREPARATION**

Samples 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0069M-0001-SO (240-22648-36), 079SB-0071M-0001-SO (240-22648-38), 079SB-0074M-0001-SO (240-22648-40), 068SB-0046M-0001-SO (240-22648-43) and 068SB-0041M-0001-SO (240-22648-53) were analyzed for chlorinated pesticides with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8081 DoD. The samples began the drying process on 04/01/2013, were prepared on 04/08/2013 and 04/16/2013 and analyzed on 04/16/2013 and 04/17/2013.

Tetrachloro-m-xylene failed the surrogate recovery criteria low for 079SB-0069M-0001-SOMSD (240-22648-36MSD). Refer to the QC report for details.

4,4'-DDE failed the recovery criteria low for the MS of sample 079SB-0069M-0001-SOMS (240-22648-36) in batch 240-82389.

Several analytes failed the recovery criteria low for the MSD of sample 079SB-0069M-0001-SOMSD (240-22648-36) in batch 240-82389.

The TCMX surrogate recovery for the following samples was outside acceptance limits (high biased) on the confirmation column: (LCS 240-80978/18-A). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control. All samples associated with this LCS were ND.

Surrogate recovery for the following sample(s) was outside the upper control limit on the confirmation column: 079SB-0063M-0001-SO (240-22648-29). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

The closing continuing calibration verification (CCV) for heptachlor and methoxychlor associated with batch 82129 recovered above the upper control limit on the primary column. The samples associated with this CCV 068SB-0041M-0001-SO (240-22648-53), 068SB-0046M-0001-SO (240-22648-43), 079SB-0064M-0001-SO (240-22648-30), 079SB-0069M-0001-SO (240-22648-36), 079SB-0071M-0001-SO (240-22648-38), 079SB-0074M-0001-SO (240-22648-40) were non-detects for the affected analytes; therefore, the data have been reported.

The closing MRL associated with batch 82129 recovered above the upper control limit. The samples associated with this CCV were non-detects 068SB-0041M-0001-SO (240-22648-53), 068SB-0046M-0001-SO (240-22648-43), 073SD-0050-0001-SO (240-22648-13), 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0069M-0001-SO (240-22648-36), 079SB-0071M-0001-SO (240-22648-38),

079SB-0074M-0001-SO (240-22648-40) for the affected analytes; therefore, the data have been reported.

The opening continuing calibration verification (CCV) for DDD associated with batch 82389 recovered above the upper control limit on the confirmation column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Reanalysis of the following sample was performed outside of the analytical holding time: 079SB-0069M-0001-SO (240-22648-36) because the TCMX recovery failed criteria in the original batch. Both the original in hold analysis and the re-extract data are reported.

The laboratory control sample (LCS) for batch 82389 exceeded control limits for the following analytes: DDE on the primary column. DDE recovery for the LCS was reported from the confirmation column. All samples were ND for this analyte.

The closing continuing calibration verification (CCV) associated with batch 82129 recovered DDD above the upper control limit on the confirmation column. The samples associated with this CCV 073SD-0050-0001-SO (240-22648-13), 079SB-0063M-0001-SO (240-22648-29) have been reported from the primary column for the affected analyte.

The opening continuing calibration verification (CCV) associated with batch 82129 recovered DDD above the upper control limit on the confirmation column. The samples associated with this CCV 068SB-0041M-0001-SO (240-22648-53), 068SB-0046M-0001-SO (240-22648-43), 079SB-0064M-0001-SO (240-22648-30), 079SB-0069M-0001-SO (240-22648-36), 079SB-0071M-0001-SO (240-22648-38), 079SB-0074M-0001-SO (240-22648-40) have been reported from the primary column for the affected analyte.

The closing continuing calibration verification (CCV) associated with batch 82129 recovered DDD, Endrin, Endrin Aldehyde, Endrin Ketone, Lindane, and Methoxychlor above the upper control limits on the confirmation column. The samples associated with this CCV 068SB-0041M-0001-SO (240-22648-53), 068SB-0046M-0001-SO (240-22648-43), 079SB-0064M-0001-SO (240-22648-30), 079SB-0069M-0001-SO (240-22648-36), 079SB-0071M-0001-SO (240-22648-38), 079SB-0074M-0001-SO (240-22648-40) have been reported from the primary column.

Alpha-BHC is reported from the confirmation column for the associated sample 068SB-0041M-0001-SO (240-22648-53) because of matrix interference on the primary column.

Surrogate recovery for the following sample(s) was outside control limits: 079SB-0069M-0001-SO (240-22648-36). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results.

No other difficulties were encountered during the pesticides analyses. All other quality control parameters were within the acceptance limits.

### **CHLORINATED PESTICIDES**

Sample 073SD-0050-0001-SO (240-22648-13) was analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A DoD. The samples were prepared on 04/08/2013 and analyzed on 04/16/2013.

Sample 073SD-0050-0001-SO (240-22648-13)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample(s) was diluted due to color: 073SD-0050-0001-SO (240-22648-13). Elevated reporting limits (RL) are provided.

The TCMX surrogate recovery for the following samples was outside acceptance limits (high biased) on the confirmation column: (LCS 240-80978/18-A). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control. All samples associated with this LCS were ND.

The opening continuing calibration verification (CCV) for methoxychlor associated with batch 82129 recovered above the upper control limit. The samples associated with this CCV 073SD-0050-0001-SO (240-22648-13) were non-detects for the affected analytes; therefore, the data have been reported.

The closing MRL associated with batch 82129 recovered above the upper control limit. The samples associated with this CCV were non-detects 068SB-0041M-0001-SO (240-22648-53), 068SB-0046M-0001-SO (240-22648-43), 073SD-0050-0001-SO (240-22648-13), 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0069M-0001-SO (240-22648-36), 079SB-0071M-0001-SO (240-22648-38), 079SB-0074M-0001-SO (240-22648-40) for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCV) associated with batch 82129 recovered DDD above the upper control limit on the confirmation column. The samples associated with this CCV 073SD-0050-0001-SO (240-22648-13), 079SB-0063M-0001-SO (240-22648-29) have been reported from the primary column for the affected analyte.

No other difficulties were encountered during the pesticides analysis. All quality control parameters were within the acceptance limits.

#### **CHLORINATED PESTICIDES**

Sample 073SW-0061-0001-SW (240-22648-18) was analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A DoD. The samples were prepared on 04/04/2013 and analyzed on 04/17/2013.

The opening continuing calibration verification (CCV) for DDD associated with batch 82389 recovered above the upper control limit on the confirmation column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) for batch 82389 exceeded control limits for the following analytes: DDE on the primary column. DDE recovery for the LCS was reported from the confirmation column. All samples were ND for this analyte.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 80549.

No other difficulties were encountered during the pesticides analysis. All quality control parameters were within the acceptance limits.

#### **POLYCHLORINATED BIPHENYLS (PCBS)**

Sample 073SD-0050-0001-SO (240-22648-13) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082 DOD. The samples were prepared on 04/08/2013 and 04/16/2013 and analyzed on 04/11/2013 and 04/18/2013.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: 068SB-0041M-0001-SO (240-22648-53), 073SD-0050-0001-SO (240-22648-13), 079SB-0074M-0001-SO (240-22648-40). Lot # s65830.

The opening and closing MRL associated with these samples recovered above the upper control limit. The samples associated with this MRL were non-detects for the affected analytes; therefore, the data have been reported. 068SB-0041M-0001-SO (240-22648-53), 068SB-0046M-0001-SO (240-22648-43), 073SD-0050-0001-SO (240-22648-13), 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0069M-0001-SO (240-22648-36), 079SB-0071M-0001-SO (240-22648-38), 079SB-0074M-0001-SO (240-22648-40).

Surrogate recovery for the following sample(s) was outside control limits: 073SD-0050-0001-SO (240-22648-13), 079SB-0069M-0001-SO (240-22648-36). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data are reported.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: (240-22648-36 MS), (240-22648-36 MSD), 073SD-0050-0001-SO (240-22648-13), 079SB-0069M-0001-SO (240-22648-36). Lot # s65830.

No other difficulties were encountered during the PCBs analysis. All quality control parameters were within the acceptance limits.

#### **POLYCHLORINATED BIPHENYLS (PCBS)**

Sample 073SW-0061-0001-SW (240-22648-18) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082 DOD. The samples were prepared on 04/04/2013 and analyzed on 04/08/2013.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 80548. 3520 8082.

No other difficulties were encountered during the PCBs analysis. All quality control parameters were within the

acceptance limits.

#### **NITROGUANIDINE (HPLC)**

Samples 073SD-0050-0001-SO (240-22648-13), 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0069M-0001-SO (240-22648-36), 079SB-0071M-0001-SO (240-22648-38), 079SB-0074M-0001-SO (240-22648-40), 068SB-0046M-0001-SO (240-22648-43) and 068SB-0041M-0001-SO (240-22648-53) were analyzed for nitroguanidine (HPLC) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8330\_Ngu. The samples began the drying process on 04/01/2013, were prepared on 04/11/2013 and analyzed on 04/16/2013 and 04/19/2013. Sample 073SD-0050-0001-SO (240-22648-13) did not go through the incremental drying process.

No difficulties were encountered during the explosives analyses. All quality control parameters were within the acceptance limits.

#### **EXPLOSIVES**

Samples 073SD-0050-0001-SO (240-22648-13), 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0069M-0001-SO (240-22648-36), 079SB-0071M-0001-SO (240-22648-38), 079SB-0074M-0001-SO (240-22648-40), 068SB-0046M-0001-SO (240-22648-43) and 068SB-0041M-0001-SO (240-22648-53) were analyzed for explosives with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8330B. The samples began the drying process on 04/01/2013, were prepared on 04/11/2013 and analyzed on 04/19/2013, 04/20/2013 and 04/25/2013. Sample 073SD-0050-0001-SO (240-22648-13) did not go through the incremental drying process.

Tetryl was detected in method blank MB 320-14065/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

No other difficulties were encountered during the explosives analyses. All other quality control parameters were within the acceptance limits.

#### **NITROAROMATICS AND NITRAMINES (HPLC)**

Sample 073SW-0061-0001-SW (240-22648-18) was analyzed for Nitroaromatics and Nitramines (HPLC) in accordance with EPA SW-846 Method 8330B. The samples were prepared on 04/04/2013 and analyzed on 04/20/2013.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 13604.

Compound 3,4-Dinitrotoluene eluted outside the retention time window on the Zorbax CN column for the following sample(s): (MB 320-14065/1-A). This retention time shift was taken into account when reviewing the sample(s) for target compounds.

No other difficulties were encountered during the explosives analysis. All quality control parameters were within the acceptance limits.

#### **TOTAL METALS (ICPMS)**

Samples 073SB-0016M-0001-SO (240-22648-1), 073SB-0017M-0001-SO (240-22648-2), 073SB-0019M-0001-SO (240-22648-3), 073SB-0020M-0001-SO (240-22648-4), 073SB-0021M-0001-SO (240-22648-5), 073SB-0022M-0001-SO (240-22648-6), 073SB-0023M-0001-SO (240-22648-7), 073SB-0024M-0001-SO (240-22648-8), 073SB-0067-0001-SO (240-22648-9), 073SD-0045-0001,0002-SO (240-22648-10), 073SD-0047-0001-SO (240-22648-11), 073SD-0048-0001-SO (240-22648-12), 073SD-0050-0001-SO (240-22648-13), 073SD-0046-0001-SO (240-22648-14), 079SB-0055M-0001-SO (240-22648-22), 079SB-0057M-0001-SO (240-22648-23), 079SB-0058M-0001-SO (240-22648-24), 079SB-0059M-0001-SO (240-22648-25), 079SB-0060M-0001-SO (240-22648-26), 079SB-0061M-0001,0002-SO (240-22648-27), 079SB-0062M-0001-SO (240-22648-28), 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0075-0001-SO (240-22648-31), 079SB-0065M-0001-SO (240-22648-32), 079SB-0066M-0001-SO (240-22648-33), 079SB-0067M-0001-SO (240-22648-34), 079SB-0068M-0001-SO (240-22648-35), 079SB-0069M-0001-SO (240-22648-36), 079SB-0070M-0001,0002-SO (240-22648-37), 079SB-0071M-0001-SO (240-22648-38), 079SB-0072M-0001,0002-SO (240-22648-39), 079SB-0074M-0001-SO (240-22648-40), 068SB-0044M-0001-SO (240-22648-41), 068SB-0045M-0001-SO (240-22648-42), 068SB-0046M-0001-SO (240-22648-43), 068SB-0047M-0001-SO (240-22648-44), 068SB-0048M-0001-SO (240-22648-45), 068SB-0033M-0001-SO (240-22648-46), 068SB-0034M-0001-SO (240-22648-47),



068SB-0035M-0001-SO (240-22648-48), 068SB-0038M-0001-SO (240-22648-49), 068SB-0036M-0001-SO (240-22648-50), 068SB-0039M-0001-SO (240-22648-51), 068SB-0040M-0001-SO (240-22648-52), 068SB-0041M-0001-SO (240-22648-53), 068SB-0042M-0001-SO (240-22648-54), 068SB-0050M-0001-SO (240-22648-55), 068SB-0051M-0001-SO (240-22648-56), 068SB-0052M-0001-SO (240-22648-57), 068SB-0053M-0001-SO (240-22648-58), 068SB-0054M-0001-SO (240-22648-59), 068SB-0056M-0001-SO (240-22648-60), 068SB-0057M-0001-SO (240-22648-61) and 068SB-0059M-0001-SO (240-22648-62) were analyzed for total metals (ICPMS) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 6020 DoD. The samples began the drying process on 04/01/2013, were prepared on 04/10/2013 and 04/11/2013 and analyzed on 05/02/2013 and 05/03/2013. Samples 073SB-0067-0001-SO (240-22648-9), 073SD-0045-0001,0002-SO (240-22648-10), 073SD-0047-0001-SO (240-22648-11), 073SD-0048-0001-SO (240-22648-12), 073SD-0050-0001-SO (240-22648-13), 073SD-0046-0001-SO (240-22648-14) and 079SB-0075-0001-SO (240-22648-31) did not go through the incremental drying process.

ICB, CCB, and ICSA samples are evaluated using the lowest LOD and DL criteria in LIMS. Using this criteria, an individual element may occasionally be flagged as out of control. If the element has a higher LOD or DL, the data is evaluated to the higher limit and determined to be acceptable.

Barium, Calcium and Cobalt were detected in method blank MB 180-68756/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Several analytes were detected in method blank MB 180-68853/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Barium, Calcium and Manganese were detected in method blank MB 180-68865/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Manganese failed the recovery criteria low for the MS of sample 073SD-0045-0001,0002-SOMS (240-22648-10) in batch 180-70691. Aluminum and Iron failed the recovery criteria high.

Aluminum and Iron failed the recovery criteria high for the MS of sample 079SB-0061M-0001,0002-SOMS (240-22648-27) in batch 180-70828.

Iron failed the recovery criteria low for the MS of sample 079SB-0072M-0001,0002-SOMS (240-22648-39) in batch 180-70828. Aluminum failed the recovery criteria high.

Several analytes exceeded the rpd limit for the duplicate of sample 073SD-0045-0001,0002-SODU (240-22648-10).

The interference check standard solution (ICSA) associated with batch 68865 showed results for one or more elements at a level greater than the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution.

The interference check standard solution (ICSA) associated with batch 68756 showed results for one or more elements at a level greater than the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution.

The matrix spike recovery for the following sample associated with batch 68756 was outside of the control limits for antimony: 073SD-0045-0001,0002-SO (240-22648-10). The associated laboratory control sample (LCS) recovery met acceptance criteria.

The serial dilution performed for the following sample(s) associated with batch 68756 was outside of the control limits for zinc.: 073SD-0045-0001,0002-SO (240-22648-10).

Due to the high concentration of several analytes, the matrix spike / matrix spike duplicate (MS/MSD) for batch 68756 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

The sample duplicate precision for the following sample associated with batch 68756 was outside of the control limits for several analytes: 073SD-0045-0001,0002-SO (240-22648-10).

The interference check standard solution (ICSA) associated with batches 68762 and 68853 showed results for one or more elements at a level greater than the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution.

The matrix spike recovery for the following sample associated with batch 68553 was outside of the control limits for calcium and antimony: 079SB-0072M-0001,0002-SO (240-22648-39). The associated laboratory control sample (LCS) recovery met acceptance criteria.

The serial dilution performed for the following sample(s) associated with batch 68553 was outside of the control limits for zinc: 079SB-0072M-0001,0002-SO (240-22648-39).

Due to the high concentration of several analytes, the matrix spike / matrix spike duplicate (MS/MSD) for batch 68553 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

The matrix spike recovery for the following sample associated with batch 68762 was outside of the control limits for calcium and antimony: 079SB-0070M-0001,0002-SO (240-22648-37). The associated laboratory control sample (LCS) recovery met acceptance criteria.

The serial dilution performed for the following sample(s) associated with batch 68762 was outside of the control limits for beryllium: 079SB-0070M-0001,0002-SO (240-22648-37).

The sample duplicate precision for the following sample associated with batch 68762 was outside of the control limits for calcium: 079SB-0070M-0001,0002-SO (240-22648-37).

Due to the high concentration of several analytes, the matrix spike / matrix spike duplicate (MS/MSD) for batch 68762 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

The matrix spike recovery for the following sample associated with batch 68762 was outside of the control limits for antimony: 079SB-0061M-0001,0002-SO (240-22648-27). The associated laboratory control sample (LCS) recovery met acceptance criteria.

The serial dilution performed for the following sample(s) associated with batch 68762 was outside of the control limits for beryllium and zinc: 079SB-0061M-0001,0002-SO (240-22648-27).

The sample duplicate precision for the following sample associated with batch 68762 was outside of the control limits for calcium: 079SB-0061M-0001,0002-SO (240-22648-27).

Due to the high concentration of several analytes, the matrix spike / matrix spike duplicate (MS/MSD) for batch 68762 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No other difficulties were encountered during the metals analyses. All other quality control parameters were within the acceptance limits.

#### **TOTAL RECOVERABLE METALS (ICPMS)**

Samples 073SW-0056-0001M,0002-SW (240-22648-15), 073SW-0058-0001-SW (240-22648-16), 073SW-0059-0001-SW (240-22648-17), 073SW-0061-0001-SW (240-22648-18) and 073SW-0067-0001-SW (240-22648-21) were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020 DoD. The samples were prepared on 04/10/2013 and analyzed on 05/01/2013.

ICB, CCB, and ICSA samples are evaluated using the lowest LOD and DL criteria in LIMS. Using this criteria, an individual element may occasionally be flagged as out of control. If the element has a higher LOD or DL, the data is evaluated to the higher limit and determined to be acceptable.

Lead and Silver were detected in method blank MB 180-68743/1-A at levels that were above the method detection limit

but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Copper, Lead, Silver and Zinc exceeded the rpd limit for the duplicate of sample 073SW-0056-0001M,0002-SW (240-22648-15). Refer to the QC report for details.

The interference check standard solution (ICSA) associated with batch 68743 showed results for one or more elements at a level greater than the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution.

No other difficulties were encountered during the metals analyses. All other quality control parameters were within the acceptance limits.

#### **TOTAL MERCURY - DOD**

Samples 073SW-0056-0001M,0002-SW (240-22648-15), 073SW-0058-0001-SW (240-22648-16), 073SW-0059-0001-SW (240-22648-17), 073SW-0061-0001-SW (240-22648-18) and 073SW-0067-0001-SW (240-22648-21) were analyzed for Total Mercury - DOD in accordance with EPA SW-846 Method 7470A. The samples were prepared on 04/05/2013 and analyzed on 04/09/2013.

No difficulties were encountered during the mercury analyses. All quality control parameters were within the acceptance limits.

#### **MERCURY WITH INCREMENTAL SAMPLE PREPARATION**

Samples 073SB-0016M-0001-SO (240-22648-1), 073SB-0017M-0001-SO (240-22648-2), 073SB-0019M-0001-SO (240-22648-3), 073SB-0020M-0001-SO (240-22648-4), 073SB-0021M-0001-SO (240-22648-5), 073SB-0022M-0001-SO (240-22648-6), 073SB-0023M-0001-SO (240-22648-7), 073SB-0024M-0001-SO (240-22648-8), 079SB-0055M-0001-SO (240-22648-22), 079SB-0057M-0001-SO (240-22648-23), 079SB-0058M-0001-SO (240-22648-24), 079SB-0059M-0001-SO (240-22648-25), 079SB-0060M-0001-SO (240-22648-26), 079SB-0061M-0001,0002-SO (240-22648-27), 079SB-0062M-0001-SO (240-22648-28), 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0065M-0001-SO (240-22648-32), 079SB-0066M-0001-SO (240-22648-33), 079SB-0067M-0001-SO (240-22648-34), 079SB-0068M-0001-SO (240-22648-35), 079SB-0069M-0001-SO (240-22648-36), 079SB-0070M-0001,0002-SO (240-22648-37), 079SB-0071M-0001-SO (240-22648-38), 079SB-0072M-0001,0002-SO (240-22648-39), 079SB-0074M-0001-SO (240-22648-40), 068SB-0044M-0001-SO (240-22648-41), 068SB-0045M-0001-SO (240-22648-42), 068SB-0046M-0001-SO (240-22648-43), 068SB-0047M-0001-SO (240-22648-44), 068SB-0048M-0001-SO (240-22648-45), 068SB-0033M-0001-SO (240-22648-46), 068SB-0034M-0001-SO (240-22648-47), 068SB-0035M-0001-SO (240-22648-48), 068SB-0038M-0001-SO (240-22648-49), 068SB-0036M-0001-SO (240-22648-50), 068SB-0039M-0001-SO (240-22648-51), 068SB-0040M-0001-SO (240-22648-52), 068SB-0041M-0001-SO (240-22648-53), 068SB-0042M-0001-SO (240-22648-54), 068SB-0050M-0001-SO (240-22648-55), 068SB-0051M-0001-SO (240-22648-56), 068SB-0052M-0001-SO (240-22648-57), 068SB-0053M-0001-SO (240-22648-58), 068SB-0054M-0001-SO (240-22648-59), 068SB-0056M-0001-SO (240-22648-60), 068SB-0057M-0001-SO (240-22648-61) and 068SB-0059M-0001-SO (240-22648-62) were analyzed for mercury with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 7471A DOD. The samples began the drying process on 04/01/2013, were prepared on 04/08/2013, 04/09/2013 and 04/10/2013 and analyzed on 04/09/2013 and 04/11/2013.

No difficulties were encountered during the mercury analyses. All quality control parameters were within the acceptance limits.

#### **MERCURY**

Samples 073SB-0067-0001-SO (240-22648-9), 073SD-0045-0001,0002-SO (240-22648-10), 073SD-0047-0001-SO (240-22648-11), 073SD-0048-0001-SO (240-22648-12), 073SD-0050-0001-SO (240-22648-13), 073SD-0046-0001-SO (240-22648-14) and 079SB-0075-0001-SO (240-22648-31) were analyzed for mercury in accordance with EPA SW-846 Method 7471A DOD. The samples were prepared on 04/09/2013 and analyzed on 04/11/2013.

No difficulties were encountered during the mercury analyses. All quality control parameters were within the acceptance limits.

#### **NITROCELLULOSE**

Samples 073SD-0050-0001-SO (240-22648-13), 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0069M-0001-SO (240-22648-36), 079SB-0071M-0001-SO (240-22648-38), 079SB-0074M-0001-SO (240-22648-40), 068SB-0046M-0001-SO (240-22648-43) and 068SB-0041M-0001-SO (240-22648-53) were analyzed for Nitrocellulose with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA Method 353.2. The samples began the drying process on 04/01/2013, were prepared on 04/22/2013 and analyzed on 04/23/2013. Sample 073SD-0050-0001-SO (240-22648-13) did not go through the incremental drying process.

Due to Chemist error, Sample 240-22648-13 had been air dried. According to SOP, Nitrocellulose method does not require the sample to air dry.

No difficulties were encountered during the Nitrocellulose analyses. All quality control parameters were within the acceptance limits.

#### **NITROCELLULOSE**

Sample 073SW-0061-0001-SW (240-22648-18) was analyzed for Nitrocellulose in accordance with EPA Method 353.2. The samples were prepared and analyzed on 04/10/2013.

No difficulties were encountered during the Nitrocellulose analysis. All quality control parameters were within the acceptance limits.

#### **PERCENT SOLIDS**

Samples 073SB-0016M-0001-SO (240-22648-1), 073SB-0017M-0001-SO (240-22648-2), 073SB-0019M-0001-SO (240-22648-3), 073SB-0020M-0001-SO (240-22648-4), 073SB-0021M-0001-SO (240-22648-5), 073SB-0022M-0001-SO (240-22648-6), 073SB-0023M-0001-SO (240-22648-7), 073SB-0024M-0001-SO (240-22648-8), 073SB-0067-0001-SO (240-22648-9), 073SD-0045-0001,0002-SO (240-22648-10), 073SD-0047-0001-SO (240-22648-11), 073SD-0048-0001-SO (240-22648-12), 073SD-0050-0001-SO (240-22648-13), 073SD-0046-0001-SO (240-22648-14), 079SB-0055M-0001-SO (240-22648-22), 079SB-0057M-0001-SO (240-22648-23), 079SB-0058M-0001-SO (240-22648-24), 079SB-0059M-0001-SO (240-22648-25), 079SB-0060M-0001-SO (240-22648-26), 079SB-0061M-0001,0002-SO (240-22648-27), 079SB-0062M-0001-SO (240-22648-28), 079SB-0063M-0001-SO (240-22648-29), 079SB-0064M-0001-SO (240-22648-30), 079SB-0075-0001-SO (240-22648-31), 079SB-0065M-0001-SO (240-22648-32), 079SB-0066M-0001-SO (240-22648-33), 079SB-0067M-0001-SO (240-22648-34), 079SB-0068M-0001-SO (240-22648-35), 079SB-0069M-0001-SO (240-22648-36), 079SB-0070M-0001,0002-SO (240-22648-37), 079SB-0071M-0001-SO (240-22648-38), 079SB-0072M-0001,0002-SO (240-22648-39), 079SB-0074M-0001-SO (240-22648-40), 068SB-0044M-0001-SO (240-22648-41), 068SB-0045M-0001-SO (240-22648-42), 068SB-0046M-0001-SO (240-22648-43), 068SB-0047M-0001-SO (240-22648-44), 068SB-0048M-0001-SO (240-22648-45), 068SB-0033M-0001-SO (240-22648-46), 068SB-0034M-0001-SO (240-22648-47), 068SB-0035M-0001-SO (240-22648-48), 068SB-0038M-0001-SO (240-22648-49), 068SB-0036M-0001-SO (240-22648-50), 068SB-0039M-0001-SO (240-22648-51), 068SB-0040M-0001-SO (240-22648-52), 068SB-0041M-0001-SO (240-22648-53), 068SB-0042M-0001-SO (240-22648-54), 068SB-0050M-0001-SO (240-22648-55), 068SB-0051M-0001-SO (240-22648-56), 068SB-0052M-0001-SO (240-22648-57), 068SB-0053M-0001-SO (240-22648-58), 068SB-0054M-0001-SO (240-22648-59), 068SB-0056M-0001-SO (240-22648-60), 068SB-0057M-0001-SO (240-22648-61) and 068SB-0059M-0001-SO (240-22648-62) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 04/08/2013.

No other difficulties were encountered during the % solids analyses. All other quality control parameters were within the acceptance limits.