

**Appendix K**  
**Groundwater Data Usability**  
**Summary Report**

# Data Usability Summary Report

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Highland Plaza  
TestAmerica Laboratories, Inc. SDG#480-93079-1  
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Sampling date: 12/22/2015

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## **DELIVERABLES**

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental & Geologic Management Services, project located at Highland Plaza, TestAmerica Laboratories, SDG#480-93079-1, submitted to Vali-Data of WNY, LLC on February 26, 2016. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method Volatile Organics (8260).

## **VOLATILE ORGANIC COMPOUNDS**

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

## **OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES**

The data are acceptable for use but are qualified below in Surrogate Spike Recoveries, Initial Calibration and Continuing Calibration.

Samples; MW-4 and MW-5 were diluted due to high target analyte concentration.

## **DATA COMPLETENESS**

All criteria were met.

## **NARRATIVE AND DATA REPORTING FORMS**

All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

**CHAIN OF CUSTODY AND TRAFFIC REPORTS**

All criteria were met.

**HOLDING TIMES**

All holding times were met.

**INTERNAL STANDARD (IS)**

All criteria were met.

**SURROGATE SPIKE RECOVERIES**

All criteria were met except the %Rec of 1,2-Dichloroethane-d<sub>4</sub> was outside ASP QC limits, high in MW-1, MW-2, MW-4, MW-5DL and DUP @ MW-2. Associated, detected target analytes should be qualified as estimated in these samples.

**METHOD BLANK**

All criteria were met.

**FIELD DUPLICATE SAMPLE PRECISION**

All criteria were met.

**LABORATORY CONTROL SAMPLES**

All criteria were met.

**MS/MSD**

All criteria were met.

**COMPOUND QUANTITATION**

All criteria were met.

**INITIAL CALIBRATION**

All criteria were met except the RRF of 1,4-Dioxane was outside ASP outer QC limits and should be qualified as estimated in the samples, blanks and spikes.

Alternate forms of regression were performed on all target analytes in the initial calibrations whose %RSD >20.0%.

**CONTINUING CALIBRATION**

All criteria were met except the RRF of 1,4-Dioxane was outside ASP outer QC limits in all of the continuing calibrations and should be qualified as estimated in the samples, blanks and spikes.

**GC/MS PERFORMANCE CHECK**

All criteria were met.