

Appendix L
Air and Vapor Data Usability
Summary Report

Data Usability Summary Report

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Highland Plaza
Centek Laboratories, LLC #C1603053
April 19, 2016
Sampling date: 3/15/2016

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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental and Geologic Management Services, Project; Highland Plaza, Centek Laboratories, LLC(Centek), Project SDG ID#C1603053, submitted to Vali-Data of WNY, LLC on April 14, 2016. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocol (ASP) and USEPA National Functional Guidelines (NFG). The laboratory performed the analysis using Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

VOLATILE ORGANIC COMPOUND

The following items/criteria were reviewed for this report:

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

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 Internal Standard, Laboratory Control Samples, MS/MSD and Continuing Calibration.

The samples were diluted due to high concentration of target analytes.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except data was not reported to 3 significant figures. This does not affect the usability of the data. The surrogate recovery summary did not include ALXA1UGD-032216 in the original package. An updated page is attached.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All criteria were met.

INTERNAL STANDARD (IS)

All criteria were met except the area of 1,4-Difluorobenzene was outside QC limits, high in sub-slab #2. The area of Chlorobenzene-d₅ was outside QC limits, high in the dilution of sub-slab #1, sub-slab #2 and MS/MSD indoor #2. Associated target analytes detected in these samples should be qualified as estimated.

SURROGATE RECOVERY

All criteria were met.

METHOD BLANK

All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the RPD of Allyl Chloride, Bromoform and Methyl butyl ketone was outside QC limits between ALCS1UG-031916 and ALCS1UGD-031916. The RPD of Methyl butyl ketone, Methyl isobutyl ketone and 1,2,4-Trichlorobenzene was outside QC limits between ALCS1UG-032216 and ALCS1UGD-032216. These target analytes should be qualified as estimated in the associated samples. The %Rec of Bromoform was outside QC limits, high in ALCS1UG-032216 and ALCS1UGD-032216 and should be qualified as estimated if detected in the associated samples. Several target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

MS/MSD

All criteria were met except the %Rec of 1,2,4-Trichlorobenzene, 1,3-Butadiene, Propylene, Cyclohexane and Toluene was outside QC limits, high in MS-MSD Indoor AirMS/MSD. These target analytes should be qualified as estimated, if detected, in MS-MSD Indoor Air and MS-MSD Indoor AirMS/MSD. The %Rec of Acetone and Methyl ethyl ketone was outside QC limits, low in MS-MSD Indoor AirMS/MSD. These target analytes should be qualified as estimated in MS-MSD Indoor Air and MS-MSD Indoor AirMS/MSD.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met except the %D of 1,4-Dioxane was outside QC limits in AN031902.D. The %D of Isopropyl alcohol, tert-Butyl alcohol and 1,4-Dichlorobenzene was outside QC limits in AN032206.D. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

GC/MS TUNING

All criteria were met.

CANISTER CERTIFICATION BLANKS

All criteria were met.