PROJECT NAVIGATOR, LTD.

September 20, 2017

David Abshire
U.S. Environmental Protection Agency
Region 6, Groundwater/UIC Section (6SFRA)
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

RE: Malone Service Company Superfund Site Texas City, TX
Post Hurricane Harvey Sampling Event – Data Summary and Validation

Dear Mr. Abshire,

Project Navigator (PNL), on behalf of the Malone Cooperating Parties (MCP), is providing the analytical data for the post Hurricane Harvey sampling event conducted on September 8, 2017 at the Malone Service Company Superfund Site (Site) in Texas City, Texas. The objective of the sampling event was to provide data representative of on-Site conditions after Hurricane Harvey as requested by U. S. Environmental Protection Agency (USEPA). This letter provides a summary and validation for the sampling protocols and the analytical data.

Data Summary and Validation
PNL reviewed one data package from Test America (Houston, Texas) reporting the analytical results for sediment samples collected September 8, 2017 at the Site. Analytical data were evaluated for conformance to the requirements of the Site's Quality Assurance Project Plan (QAPP) and SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846).

Data were reviewed as described in the QAPP and the results of this review are discussed in this Data Summary and Validation. Analyses requested included:

- SW-846 6010B – Inductively Coupled Plasma (ICP Select Metals)
- SW-846 7471B – Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)
- SW-846 8260B – Volatile Organic Compounds (VOCs) by Gas Chromatography/Mass Spectrometry (GC/MS).
- SW-846 8270C – Semi-volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Introduction

Surface soil and associated QC samples were analyzed for select metals; select VOCs and Naphthalene using the methods listed above. Test America is accredited by the Texas Environmental Laboratory Accreditation Program for the methods listed above (Certificate T104704223-17-21). Table 1 is attached and summarizes the sample analysis.

QC Results

Quality control and method deviations are documented by the laboratory in the QC Sample Results section and the Case Narrative of the Test America Analytical Report.

PRESERVATION AND HOLDING TIMES
Samples were received at the laboratory at temperatures below 6 degrees Celsius. Sample preparation and analyses were performed within method and QAPP holding times.

CALIBRATIONS
According to the QC Results, calibrations were within the QAPP criteria.

BLANKS
No analytes were detected in the trip and laboratory blanks other than zinc with concentrations that were below the Reporting Limits.

SURROGATE RECOVERIES AND INTERNAL STANDARD AREAS
No surrogate recoveries outside the QAPP acceptance criteria were noted. According to the Case Narrative, internal standard areas were acceptable.

LABORATORY CONTROL SAMPLES

Laboratory control sample (LCS) results are flagged by the laboratory using statistically derived QC criteria. LCS recoveries were within the QAPP acceptance criteria for SVOCs and VOCs and for metals.

MATRIX SPIKE/MATRIX SPIKE DUPLICATES

Matrix spike/matrix spike duplicate (MS/MSD) results were not evaluated since project samples were not analyzed as MS/MSD.

FIELD PRECISION

Field duplicate samples were not collected.

SUMMARY

Analytical data are useable for the purposes of determining COC concentrations in surface soil samples collected at the Site. No significant bias in the data was observed.

Should you have any questions or concerns regarding this report, please contact me at 713-468-5961 or via email at bmoore@projectnavigator.com.

Kindest Regards,

Brian Moore

Brian Moore
Malone RD/RA Construction Manager
Project Navigator, Ltd.

Attachments: Figure 1 – Sample Location Map
Table 1 – Sediment Analysis Summary
Test America Analytical Laboratory Report