Audit of toxicity/bioaccumulation sampling (cooler packing and ~~sp~~ shipping not observed)

TECHNICAL SYSTEM AUDIT REPORT

SUMMARY INFORMATION

1. PROJECT NAME: Cornell-Dubilier Superfund Site
2. PROPERTY ADDRESS: Lake Nelson & Ambrose Brook in Piscataway, NJ (reference areas for CU4 Bound Brook)
3. DATE(S) OF QC FIELD AUDIT August 2, 2012
4. AUDITOR'S NAME Amy Marie Accardi Dey PHONE No. 914-798-3712
5. PERSONNEL ON-SITE

NAME	REPRESENTING	PHONE
Andrew Wolfson	LBG	
Abdulai Fofanah	LBG	
Peter Lamont	LBG	
Jordan Goldstein	LBG (afternoon only)	
Brian Gillen	MPI (subcontractor to LBG)	

6. AUDITOR'S COMMENTS

- Sampling and processing conducted per Field Mod 5
- "AB-SD01" Sampling location repositioned since proposed location was gravel & sandy. Material would not pass 1mm sieve at the laboratory as required by method.

7. WEATHER CONDITIONS Refer to Figure #1 in 7/10/2012 memo for figure map.

(SUNNY) PARTLY SUNNY PARTLY CLOUDY CLOUDY RAIN DRIZZLE SNOW SLEET

TEMPERATURE 90 WIND DIRECTION none

8. FIELD INSTRUMENTS (ONLY MARK THE INSTRUMENTS THAT WERE REQUIRED FOR THIS SAMPLING/MEASUREMENT EVENT) Horiba U52 / Trimble GPS
9. WAS INSTRUMENT RESPONSE/CALIBRATION CHECKED AND RECORDED? calibrated by manufacturer

A) MINIRAE 10.6 eV PHOTOIONIZATION DETECTOR _____

B) OTHERS:

Horiba U52	calibrated by manufacturer
Trimble GPS	calibrated by manufacturer
Ekmandredge / ~~Petite~~ Ponar	none

"AB-SD01 had to be re-positioned after a sandy, coarse gravel area was encountered. Although water quality measurements are typically collected prior to sampling to avoid activity-related turbidity, the repeated attempt to collect AB-SD01 disturbed the water column and the final measurement was collected upstream.

TECHNICAL SYSTEM AUDIT REPORT

GPS collected on left bank and right bank

AB-SD01: Horiba collected upstream of sampling location due to turbidity ~~collect~~ associated with collection.

COMMENTS:

LN-SD01: Horiba water quality and GPS collected at center of sampling area. Composite consisted of multiple grabs from 25ft radius for GPS center.

FIELD MEASUREMENT REQUIREMENTS

10. WERE THE REQUIREMENTS CONTAINED IN THE WORK PLAN, FSP, QAPP, AND SOPs FOLLOWED? yes. refer to ~~QAPP~~ Mod 5 Field Modification

11. WERE THE PROPER SAMPLE LOCATIONS CHOSEN? yes

12. WERE THE REQUIRED NUMBER OF QC MEASUREMENTS COLLECTED?

QC samples not required at LN-SD01 or AB-SD01

13. WERE THE REQUIRED FIELD NOTES TAKEN (e.g., DATA SHEETS, MAPS, ETC.)?

field forms completed and reviewed by auditor

14. WERE THE REQUIRED PHOTOGRAPHS TAKEN? yes

15. COMMENTS:

Sediment toxicity sampling

~~SOIL/BUILDING MATERIAL~~ SAMPLE INFORMATION

16. WHAT MATRIX WAS SAMPLED? sediment from Lake Nelson & Ambrose Brook

17. WERE THE REQUIREMENTS CONTAINED IN THE WORK PLAN, FSP, QAPP, AND SOPs FOLLOWED? yes ~~QAPP~~ mod 5 Field Modification

18. WERE THE REQUIRED FIELD NOTES TAKEN (e.g., DATA SHEETS, MAPS, ETC.)?

field form completed and reviewed by auditor

19. WERE THE REQUIRED PHOTOGRAPHS TAKEN? yes

20. WHAT TYPE OF SAMPLING EQUIPMENT WAS USED? Ekman dredge on pole, handheld petite ponar, GPS Trimble, Horiba U52

21. WHAT MATERIAL WAS THE SAMPLING EQUIPMENT MADE OF? stainless steel