TECHNICAL SYSTEM AUDIT REPORT

SUMMARY INFORMATION

1. PROJECT NAME: Cornell-Dubilier Superfund Site

2. PROPERTY ADDRESS: 333 Hamilton Blvd
South Plainfield, NJ

3. DATE(S) OF QC FIELD AUDIT Sept 21, 2011 (Small volume water column)

4. AUDITOR'S NAME AmyMarie Accardi-Dey PHONE No. 914-798-3712

5. PERSONNEL ON-SITE

NAME	REPRESENTING	PHONE
Andrew Wolfson/Xiulan Wang	LBG	Team 1
Michelle Verduzco/Charlie Cessna	LBG	Team 2
Susan Lindstrom/Abdolali Fofandi	LBG	Team 3
Heather Shaw/Archil Zarnadze	LBG	Team 4

6. AUDITOR'S COMMENTS

Accardi-Dey observed field collection of small-volume water column samples by Team 1, Team 2, and Team 3. Accardi-Dey then observed sample management by all Team members. Samples with short holding times (24 hr) were shipped on Sept 21 (same day of collection). Samples with longer holding times were held on ice and shipped next day (according to QAPP)

7. WEATHER CONDITIONS

SUNNY [PARTLY SUNNY] PARTLY CLOUDY CLOUDY RAIN DRIZZLE SNOW SLEET

TEMPERATURE 50-70F WIND DIRECTION moderate

8. FIELD INSTRUMENTS (ONLY MARK THE INSTRUMENTS THAT WERE REQUIRED FOR THIS SAMPLING/MEASUREMENT EVENT) peristaltic pump, dedicated teflon tubing, Horiba U52, and sample jars.

9. WAS INSTRUMENT RESPONSE/CALIBRATION CHECKED AND RECORDED?
↳ received by manufacturer already calibrated

A) MINIRAE 10.6 eV PHOTOIONIZATION DETECTOR NA

B) OTHERS: Horiba U52 ~~NA~~ calibrated by rental provider

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COMMENTS:

According to HASP, air monitoring during water column collection and processing was not required

FIELD MEASUREMENT REQUIREMENTS

10. WERE THE REQUIREMENTS CONTAINED IN THE WORK PLAN, FSP, QAPP, AND SOPs FOLLOWED? yes

11. WERE THE PROPER SAMPLE LOCATIONS CHOSEN? yes (20 sampling locations flagged prior to field collection day)

12. WERE THE REQUIRED NUMBER OF QC MEASUREMENTS COLLECTED?

yes, field duplicate, equipment blank, MS/MSD, and extra volume for lab replicate and trip blank

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

yes, field sheets completed

14. WERE THE REQUIRED PHOTOGRAPHS TAKEN? photographs not required

15. COMMENTS: observed field collection by Team 1, Team 2, and Team 3. Observed surface water and seep collection. Provided guidance to field crew on seep collection – and recommend a pre and post Horiba measurement because of high turbidity.

AMD **~~SOIL/BUILDING MATERIAL~~ SAMPLE INFORMATION** (AQUEOUS)

16. WHAT MATRIX WAS SAMPLED? surface water and seep

17. WERE THE REQUIREMENTS CONTAINED IN THE WORK PLAN, FSP, QAPP, AND SOPs FOLLOWED? yes

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

yes

19. WERE THE REQUIRED PHOTOGRAPHS TAKEN? photographs not required

20. WHAT TYPE OF SAMPLING EQUIPMENT WAS USED? peristaltic pump with dedicate tubing and dedicated inline filter

21. WHAT MATERIAL WAS THE SAMPLING EQUIPMENT MADE OF? teflon tubing teflon/HDPE filter housing, and glass or HDPE plastic sample containers