State of New Jersey

Jon S. Corzine
Governor

DEPARTMENT of ENVIRONMENTAL PROTECTION

Mark N. Mauriello
Acting Commissioner

Environmental Regulation
Division of Air Quality
Air Quality Permitting Element
401 E. State Street, 2nd floor, P.O. Box 027
Trenton, NJ 08625-0027

Air Pollution Control
Preconstruction Permit and Certificate to Operate
Construction of a New Source

Permit Activity Number: PCP090001 **Facility ID Number: 18786**

Mailing Address	Plant Location
JOHN ANTHONY SENIOR VICE PRESIDENT MAXYMILLIAN TECHNOLOGIES INC 1801 EAST ST PITTSFIELD, MA 01201	CORNELL DUBILIER ELECTRONICS INC 333 Hamilton Blvd South Plainfield Boro Middlesex County, New Jersey

Approval Date: 08/25/2009
Expiration Date: 08/24/2014

The New Jersey Department of Environmental Protection (Department) has reviewed the above referenced air pollution control permit application. On the basis of the information provided, the Department concludes that the application satisfies all applicable requirements of the New Jersey Air Pollution Control regulations codified at N.J.A.C. 7:27 et seq. This permit allows for inspection and evaluation of the equipment by the Department to assure conformance with all provisions of N.J.A.C. 7:27 et seq. and any other applicable federal requirements codified at 40 CFR 52, 60, 61 and 63.

The equipment, that is authorized to be installed and operated under this approval, is described in Section A, Source Operations and Section D, Equipment Inventory. Equipment at the facility referenced by this Permit shall be operated in accordance with the Conditions of Approval set forth in Section D, Facility Specific Requirements.

The Department hereby issues this permit and certificate under the authority of chapter 106, P.L. 1967(N.J.S.A 26:2C-9.2). You may construct, reconstruct, install, or modify the above referenced equipment and/or control apparatus consistent with the approval.

If, in your judgment as an applicant for an air pollution control permit, the Department is imposing any unreasonable Condition of Approval, you may contest the Department's decision and request a contested case hearing pursuant to the Administrative Code at N.J.A.C. 7:27-1.32(a). All requests for contested case hearings must be received in writing by the Department

within twenty (20) calendar days of the date you receive this permit approval and must contain the information specified in the Administrative Hearing Request Checklist and Tracking Form.

If you have any questions regarding this permit approval, please contact Preconstruction Permits at (609) 633-2829.

Note: We are including two electronic files, one in PDF and the other in RADIUS format. The PDF file contains the complete permit to construct and certificate to operate and may be used for printing a paper copy of your permit. The RADIUS file contains the Facility Name, Location, and Contact Information; the Facility Specific Requirements (Compliance Plan) and Inventories; and any Compliance Schedules (if needed). Upon importing the RADIUS file into your personal computer equipped with the RADIUS software, you will have up-to-date information in RADIUS format. This electronic RADIUS file should **not** be used to prepare a permit modification, compliance plan changes, 7-day notices, or amendment application if and when you would need to submit one to the Department. A permit application should always be prepared using a **new RADIUS file** and contain only the new or modified information/equipment. We encourage you to use the most recent RADIUS version. RADIUS software, instructions, and help are available at the Department's website at www.state.nj.us/dep/aqpp

Approved by:

Michael Adhanom
Preconstruction Permits

Administrative Hearing Request Checklist and Tracking Form

I. Document Being Appealed

Name of the Facility	Facility ID Number	Permit Activity Number	Issuance Date
CORNELL DUBILIER ELECTRONICS INC	18786	PCP090001	

II. Contact Information

Name of Person Requesting Hearing	Name of Attorney (if applicable)
Address:	**Address:**
Telephone:	**Telephone:**

III. Please include the following information as part of your request:

A. The date the permittee received the permit decision;
B. Two printed copies of the document being appealed – for submitting to address 1 below;
A PDF copy of the document being appealed on a CD – for submitting to address 2 below
C. The legal and factual questions you are appealing;
D. A statement as to whether or not you raised each legal and factual issues during the permit application process;
E. Suggested revised or alternative permit conditions;
F. An estimate of the time required for the hearing;
G. A request, if necessary, for a barrier-free hearing location for physically disabled persons;
H. A clear indication of any willingness to negotiate a settlement with the Department prior to the Departments processing of your hearing request to the Office of Administrative Law;

Mail this form, completed, signed and dated with all of the information listed above, including attachment, to:

1. New Jersey Department of Environmental Protection
Office of Legal Affairs
Attention: Adjudicatory Hearing Requests
401 E. State Street, P.O. Box 402
Trenton, New Jersey 08625

2. Air Quality Permitting Element
Preconstruction Permits
New Jersey Department of Environmental Protection
401 E. State Street, 2nd Floor, P.O. Box 027
Trenton, New Jersey 08625
Phone: (609) 633-2829

Signature **Date**

Administrative Hearing Request Checklist and Tracking Form

IV. If you are not the applicant but rather an interested person claiming to be aggrieved by the permit decision, please include the following information:

1. The date you or your agent received notice of the permit decision (include a copy of that permit decision with your hearing request);
2. Evidence that a copy of the request has been delivered to the applicant for the permit which is the subject of the permit decision;
3. A detailed statement of which findings of fact and/or conclusion of law you are challenging;
4. A description of your participation in any public hearings held in connection with the permit application and copies of any written comments you submitted;
5. Whether you claim a statutory or constitutional right to a hearing, and, if you claim such a right, a reference to the applicable statute or explanation of how your property interests are affected by the permit decision;
6. If the appeal request concerns a CAFRA permit decision, evidence that a copy of the request has been delivered to the clerks of the county and the municipality in which the project which is the subject of the permit decision is located;
7. Suggested revised or alternative permit conditions;
8. An estimate of the time required for the hearing;
9. A request, if necessary, for a barrier-free hearing location for physically disable persons;
10. A clear indication of any willingness to negotiate a settlement with the Department prior to the Department's transmittal of the hearing request to the Office of Administrative Law;

Mail this form, completed, signed and dated with all of the information listed above, including attachment, to:

New Jersey Department of Environmental Protection
Office of Legal Affairs
Attention: Adjudicatory Hearing Requests
401 East State Street, P.O. Box 402
Trenton, New Jersey 08625-0402

Air Quality Permitting Element
Preconstruction Permits
New Jersey Department of Environmental Protection
401 E. State Street, 2nd Floor, P.O. Box 027
Trenton, New Jersey 08625
Phone: (609) 633-2829

_____ _____

Signature **Date**

AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

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Facility ID No.: 18786
Permit Activity No.: PCP090001

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AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section A

Facility Name: CORNELL DUBILIER ELECTRONICS INC
Facility ID No.: 18786
Permit Activity No.: PCP090001

AUTHORIZED SOURCE OPERATIONS

This Preconstruction Permit and the Certificate to Operate for the following equipment is issued pursuant to N.J.A.C. 7:27-8.

Description of Source Activity

Source Operation Type: Superfund site, closed, site remediation activity

Source Operation Description: Indirect Thermal Desorption system (IDS), even referred as Low Temperature Thermal Desorption Unit (LTTD), capable of treating maximum 20 tons per hour of contaminated soil with PCBs as most concerned contaminant. IDS will use propane as fuel. The contaminated air is discharged via air pollution control system, consisting of several air pollution control equipment in series, to the ambient air. It is estimated that approximately 150,000 tons of contaminated soil will be treated.

Source Operation Details: The sources authorized by this permit shall be operated within the parameters specified in the Equipment, Control Device, and/or Emission Unit/Batch Process Operating Scenario Details of this permit. Operation of the authorized sources within these parameters is required in addition to compliance with the conditions specified in Section D– Facility Specific Requirements.

AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section B

Facility Name: CORNELL DUBILIER ELECTRONICS INC
Facility ID No.: 18786
Permit Activity No.: PCP090001

ACRONYMS

BTS	Bureau of Technical Services
CEMS	Continuous Emissions Monitor System
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COMS	Continuous Opacity Monitor System
EPA	United States Environmental Protection Agency
HAP	Hazardous Air Pollutant
N.J.A.C.	New Jersey Administrative Code
NJDEP	New Jersey Department of Environmental Protection
NOx	Oxides of Nitrogen
PM-2.5	All particulate matter having an aerodynamic diameter less than or equal to a nominal 2.5 microns
PM-10	All particulate matter having an aerodynamic diameter less than or equal to a nominal 10 microns
PST	Performance Specification Test
REO	Regional Enforcement Office - NJDEP
SO_2	Sulfur Dioxide
TSP	Total Suspended Particulate Matter
VOC	Volatile Organic Compounds

AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section C

Facility Name: CORNELL DUBILIER ELECTRONICS INC
Facility ID No.: 18786
Permit Activity No.: PCP090001

GENERAL PROVISIONS AND AUTHORITIES
Preconstruction Permits

1. Not withstanding compliance with other provisions of N.J.A.C. 7:27-1 et seq., no person shall cause, suffer, allow or permit to be emitted into the outdoor atmosphere substances in quantities which shall result in air pollution as defined at N.J.A.C. 7:27-5.1. [N.J.A.C. 7:27-5.2(a)]

2. The permittee shall not construct, reconstruct, install, or modify a significant source or control apparatus serving the significant source without first obtaining a preconstruction permit under N.J.A.C. 7:27-8. [N.J.A.C. 7:27-8.3(a)]

3. The permittee shall not operate (nor cause to be operated) a significant source or control apparatus serving the significant source without a valid operating certificate. [N.J.A.C. 7:27-8.3(b)]

4. Permit Revisions:

   The permittee shall not take any action which requires a permit revision, compliance plan change, seven-day-notice change, amendment, or change to a batch plant permit, under any applicable provision at N.J.A.C. 7:27-8.17 through 8.23, without complying with that applicable provision.

   The following summarize N.J.A.C. 7:27-8.18 through 8.21:

   a. The permittee shall file a permit revision request and receive approval from the Department prior to increasing any maximum allowable emission limit, increasing actual emissions, to a rate or concentration greater than a maximum allowable emission, causing the emissions of a new air contaminant, use a new raw material, reconstructing equipment, change the ground level concentration of an air contaminant in an area where the public has access, replace the permitted source, or constructing or installing a new significant source. [N.J.A.C. 7:27-8.18]

   b. The permittee shall file a compliance plan change request and receive approval from the Department prior to decreasing the frequency of testing, monitoring, recordkeeping, or reporting, changing the monitoring method, changing a level, rate, or limit of an operational parameter included in the conditions, or reducing a source's potential to emit. [N.J.A.C. 7:27-8.19]

   c. At least seven days prior to proceeding with a physical or operational change that is outside the scope of activities allowed by this permit, but will not increase emissions over the allowable emissions and will not alter the stack characteristics, the permittee shall file a seven-day-notice change. The permittee

may proceed with the proposed changes seven days after such notice is filed with the Department. [N.J.A.C. 7:27-8.20]

d. The permittee shall file an amendment within 120 days of making any change of the information contained within Section C of this permit (Facility Profile), changing the name, number or designation of any equipment or stack covered by this permit, changing the parameters of a stack in such a way to reduce the ground level concentration of an air contaminant, or correction of a typographical error that will not result in an increase of actual or allowable emissions. [N.J.A.C. 7:27-8.21]

The permittee shall review the provisions of N.J.A.C. 7:27-8.18 through 7:27-8.21 to determine the appropriate type of request to file.

5. The permittee shall make the preconstruction permit or certificate, together with any amendments, seven-day-notices, or other documents related to the permit and certificate, readily available for Department inspection on the operating premises. [N.J.A.C. 7:27-8.3(d)]

6. The permittee shall not use or cause to be used the equipment or control apparatus unless all components connected or attached to, or serving, the equipment or control apparatus, are functioning properly and are in compliance with the preconstruction permit and certificate and all conditions and provisions thereto. [N.J.A.C. 7:27-8.3(e)]

7. A preconstruction permit is not transferable either from the location authorized in the preconstruction permit to another location, or from any one piece of control apparatus or equipment to another piece of control apparatus or equipment. [N.J.A.C. 7:27-8.3(f)]

8. Once a permit or certificate is issued, the permittee is fully responsible for compliance with N.J.A.C. 8:27-8 and with the permit and certificate, including adequate design, construction, and operation of the source, even if employees, contractors, or others work on or operate the permitted source. If the Department issues any other requirement with the force of law, such as an order, which applies to the source, the permittee is also responsible for compliance with that requirement. [N.J.A.C. 7:27-8.3(g)]

9. Preconstruction permits and certificates do not any way relieve the permittee from the obligation to obtain necessary permits from other government agencies and to comply with all other applicable Federal, State, and local rules and regulations. [N.J.A.C. 7:27-8.3(h)]

10. The permittee shall not suffer, allow, or permit any air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property. This shall not include an air contaminant which occurs only in areas over which the permittee has exclusive use or occupancy. In determining whether an odor unreasonably interferes with the enjoyment of life or property, the Department shall consider all of the relevant facts and circumstances, including, but not limited to, the character, severity, frequency, and duration of the odor, and the number of persons affected thereby. In considering these and other relevant facts and circumstances, no one factor shall be dispositive, but each shall be considered relevant in determining whether an odor interferes with the enjoyment of life or property, and, if so, whether such interference is unreasonable considering all of the circumstances. [N.J.A.C.7:27-8.3(j)]

11. The Department and its representatives have the right to enter and inspect any facility or property in accordance with N.J.A.C. 7:27-1.31. [N.J.A.C. 7:27-8.3(m)]

12. There shall be an affirmative defense to liability for penalties for a violation of a preconstruction permit or certificate occurring as a result of an equipment malfunction, an equipment start-up, an equipment shutdown, or during the performance of necessary maintenance. The affirmative defense shall be asserted and established as required pursuant to P.L. 1993. c.89 (adding N.J.S.A. 26:2C-19.1 through 2C-19.5) and any rules the Department promulgates thereunder, and shall meet all of the requirements thereof. There shall also be an affirmative defense to liabilities for penalties or other sanctions for noncompliance with any technology based emission limitation in this permit or certificate, if the noncompliance was due to an emergency as defined at N.J.A.C. 7:27-22.1, provided that the affirmative defense is asserted and established in compliance with 40 CFR 70.6(g) and meets all requirements thereof. [N.J.A.C. 7:27-8.3(n)]

13. The permittee shall not cause or use the equipment specified in a preconstruction permit in a manner that will result in the emission of any air contaminant not listed in the Facility Specific Requirements in this Preconstruction Permit at a rate equal to or higher than the applicable reporting threshold set forth at N.J.A.C. 7:27-8 Appendix I, Table A or B. [N.J.A.C. 7:27-8.4(k)1]

14. No air contaminant, or category of air contaminant, where accepted by the Department, shall be emitted other than those approved in the preconstruction permit. [N.J.A.C. 7:27-8.13(a)]

15. Any person to whom the Department has issued a preconstruction permit or certificate shall comply with all terms and conditions of any order related to the preconstruction permit or certificate. [N.J.A.C. 7:27-8.13(a)]

16. The permittee shall maintain all records required in the preconstruction permit for a period of five (5) calendar years from the calendar year within which the record was generated. [N.J.A.C. 7:27-8.13(a)]

17. The Department may change the conditions of approval of any approved certificate to operate at the time of renewal of a temporary operating certificate; at the time of approval or renewal of a five-year operating certificate; or at any time during the period a certificate is in effect, if the Department determines that such change is necessary to protect human health or welfare or the environment. [N.J.A.C. 7:27-8.13(b)]

18. Upon request of the Department, the permittee shall submit to the Department information relevant to the operation of equipment and control apparatus including all information specified at N.J.A.C. 7:27-8.13(c). [N.J.A.C. 7:27-8.13(c)]

19. If the conditions of a preconstruction permit or certificate to operate require the Department to incur any of the following charges, the permittee shall reimburse the Department for the full amount of these charges: (1) The charges billed by any phone company for the maintenance of a dedicated telephone line required by this permit or the certificate to operate for the electronic transmission of data; or (2) The charges billed by any laboratory for performing the analysis of audit samples collected pursuant to testing or monitoring required by this permit or the certificate to operate. [N.J.A.C. 7:27-8.13(g)]

20. Any exceedance of the operating requirements or emission concentrations specified in a preconstruction permit shall be reported within three (3) business days, by writing to the Regional Enforcement Office. [N.J.A.C. 7:27-8.13(h)]

21. The permittee shall, when requested by the Department, provide such testing facilities exclusive of instrumentation and sensing devices as may be necessary for the Department to determine the kind and amount of air contaminants emitted from the equipment or control apparatus. The testing facilities shall include the utilities, the structure to hold testing equipment and/or personnel, and any ports in stacks needed to carry out testing required by this permit. During testing by the Department, the equipment and control apparatus shall be operated under such conditions within their capacities as may be requested by the Department. The test facilities may be either permanent or temporary, at the discretion of the person responsible for their provision, and shall conform to all applicable laws, regulations, and rules concerning safe construction and safe practice. Testing facilities, which contain platforms and other means of personnel access, shall conform to OSHA standards. [N.J.A.C. 7:27-8.13(i)]

22. Upon request of the Department, the permittee shall submit to the Department any record relevant to any permit or certificate. Such records shall be submitted to the Department within thirty (30) days of the request by the Department or within a longer time period if approved in writing by the Department. [N.J.A.C. 7:27-8.15(a)]

23. The permittee shall submit any required report in a format and on a schedule approved by the Department. Such report shall be transmitted on paper, on computer disk, or electronically, at the discretion of the Department. [N.J.A.C. 7:27-8.15(b)]

24. Any report submitted to the Department, including but not limited to, a report submitted as an amendment of this permit or the certificate to operate pursuant to N.J.A.C. 7:27-8.3(c) shall include, as an integral part of the report, certifications complying with N.J.A.C. 7:27-1.39. [N.J.A.C. 7:27-8.15(c)]

25. Upon request of the Department, the permittee shall report on forms obtained from the Department the air contaminant actual emissions and information relevant thereto, of any air contaminant or category of air contaminant emitted by the equipment, control apparatus, or source operation. [N.J.A.C. 7:27-8.15(d)]

26. Any emission limit values in a preconstruction permit shall be interpreted to be followed by inherent trailing zeros (0) in the decimal portion of the limit to three significant figures (e.g. a printed limit of “1 lb/hr” means a limit of “1.00 lb/hr”).

27. This listing of requirements reflects the state rules and regulations that apply to a majority of sources. If a specific requirement in a rule or regulation that applies to a permittee is not included in this section or in the Facility Specific Requirements it does not relieve the permittee from the obligation to comply with that regulation.

28. Process monitors must be operated at all times when the associated process equipment is operating except during outage time allowed by Department guidelines/procedures or as outlined in Technical Manual 1005. The Permittee must keep a service log as required.

29. The following Department offices may be referenced in a preconstruction permit. Please use the following addresses when submitting any correspondence to these offices:

Bureau of Technical Services
P. O. Box 437
380 Scotch Road
West Trenton, NJ 08625

Central Regional Enforcement Office
P. O. Box 407
Trenton, NJ 08625-0407

Northern Regional Enforcement Office
7 Ridgedale Avenue
Cedar Knolls, NJ 07927

Southern Regional Enforcement Office
2 Riverside Drive – Suite 201
Camden, NJ 08102

30. In accordance with the Air Pollution Control Act at N.J.S.A. 26:2C-19(e), any operation of the equipment which may cause off-property effect, including odors, shall be immediately reported by calling the NJDEP Environmental Action Hotline at (877) 927-6337.

31. In accordance with N.J.A.C. 7:27-21, facilities are required to submit annual emission statements of their actual emissions if the Potential-to-emit for the entire facility exceeds the following thresholds (including all emissions from the facility, both permitted and unpermitted). Additional information about Emission Statement reports can be obtained by calling (609) 984-5483.

AIR CONTAMINANT	**Threshold in Tons per Year**
VOC (Volatile Organic Compounds	10
NOx (Oxides of Nitrogen)	25
CO (Carbon Monoxide)	100
SO_2 (Sulfur Dioxide)	100
TSP (Total Suspended Particulates)	100
$PM_{2.5}$ (Particulate Matter $\leq$ 2.5 microns)	100
PM_{10} (Particulate Matter $\leq$ 10 microns)	100
NH_3 (Ammonia)	100
Lead	5

32. In accordance with N.J.A.C. 7:27-22, facilities are required to submit a Title V Operating Permit application, within one year, if the potential-to-emit for the entire facility exceeds any of the following thresholds (including all emissions from the facility, both permitted and unpermitted). Additional Information about Operating Permits can be obtained by calling the Operating Permit Hotline at (609) 633-8248.

AIR CONTAMINANT	**Threshold in Tons per Year**
VOC (Volatile Organic Compounds)	25
NOx (Oxides of Nitrogen)	25
CO (Carbon Monoxide)	100
SO_2 (Sulfur Dioxide)	100
TSP (Total Suspended Particulates)	100
PM_{10} (Particulate Matter $\leq$ 10 microns)	100
Lead	10
Any HAP (Hazardous Air Pollutant)	10
All HAPs Collectively	25
Any other Air Contaminant	100

AIR POLLUTION CONTROL PRECONSTRUCTION PERMIT

Section D

Facility Name: CORNELL DUBILIER ELECTRONICS INC
Facility ID No.: 18786
Permit Activity No.: PCP090001

PERMIT INFORMATION

FACILITY SPECIFIC REQUIREMENTS

REASON FOR APPLICATION

FACILITY PROFILE (GENERAL)

EQUIPMENT INVENTORY

CONTROL DEVICE INVENTORY

EMISSION POINT INVENTORY

EMISSION UNIT/BATCH PROCESS INVENTORY

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Soil Treatment System**
CD1 Baghouse
Subject Item:

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Pressure Drop Across the Baghouse >= 1 and Pressure Drop Across the Baghouse <= 12 inches w.c.. [N.J.A.C. 7:27- 8.13(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm or other operational warning system shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. [N.J.A.C. 7:27- 8.13(d)2]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. [N.J.A.C. 7:27- 8.13(d)3]	None.
2	Inlet Temperature to Baghouse <= 800 degrees F. This refers to the inlet temperature to baghouse bags. [N.J.A.C. 7:27- 8.13(a)]	Inlet Temperature to Baghouse: Monitored by temperature instrument continuously. [N.J.A.C. 7:27- 8.13(d)1]	Inlet Temperature to Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. [N.J.A.C. 7:27- 8.13(d)3]	None.
3	Particulates Control Efficiency >= 99 %. [N.J.A.C. 7:27- 8.13(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27- 8.13(a)]	None.	None.
4	The permittee shall conduct bag cleaning, maintenance and replacement on a schedule necessary to achieve the required particulate removal efficiency as specified by the manufacturer. [N.J.A.C. 7:27- 8.13(a)]	Not Applicable.	Recordkeeping by manual logging of parameter upon occurrence of event. The permittee shall record each instance of bag maintenance and bag replacement. [N.J.A.C. 7:27- 8.13(d)3]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Soil Treatment System**

CD2 Quench

Subject Item:

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Quench water flow rate >= 100 GPM. [N.J.A.C. 7:27- 8.13(d)a]	Quench water/ Monitored by material feed/flow monitoring continuously. [N.J.A.C. 7:27- 8.13(2)]	Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. [N.J.A.C. 7:27- 8.13(d)3]	

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Soil Treatment System**

CD3 Condenser

Subject Item:

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	There shall be two condensers operating in lead/standby set up to condense the exhaust gaseous stream exiting from Quench column, CD 2, using Glycol mixed with water as a cooling medium. [N.J.A.C. 7:27-8.13(a)]	Monitored by documentation of construction once initially. [N.J.A.C. 7:27-8.13(d)2]		
2	Pump Discharge Pressure: This parameter shall be monitored by the cooling medium pump discharge pressure. The discharge pressure shall be within 20 psi to 65 psi. [N.J.A.C. 7:27- 8.13(a)]	Pump Discharge Pressure: Monitored by pressure measurement device continuously. The permittee shall install, calibrate and maintain a condenser pump discharge pressure monitor in accordance with the manufacturer's specifications. The monitor shall be ranged such that the allowable value is approximately mid-scale of the full range. [N.J.A.C. 7:27- 8.13(d)2ii]	Pump Discharge Pressure: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. [N.J.A.C. 7:27-8.13(d)3]	
3	Temperature at the Condenser Exit (Product Side) <= 60 degrees F. Temperature referred here is of contaminated air exhaust gas leading to the condenser to CD4, Pre Filter box. [N.J.A.C. 7:27- 8.13(a)]	Temperature at the Condenser Exit (Product Side): Monitored by temperature instrument continuously, based on 15 minute intervals. [N.J.A.C. 7:27- 8.13(d)2]	Temperature at the Condenser Exit (Product Side): Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. [N.J.A.C. 7:27- 8.13(d)3]	
4	The permittee shall operate the condenser and perform maintenance on a schedule as specified by the manufacturer necessary to achieve the required removal of PCB and VOC. [N.J.A.C. 7:27- 8.13(h)]			

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Soil Treatment System**

Subject Item: **CD4 Pre-Filter Box (Lead & Standby), CD6 HEPA Filter 1 (Lead & Standby), CD10 HEPA Filter 2**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The permittee shall conduct the inspection of filter to ensure the filter is functioning properly each time, the calciner (LTTD) face pressure is greater than 0" w.c. At each time, during an inspection, at a minimum, the permittee shall conduct filter inspection and perform cleaning, maintenance and replacement, if necessary. Additionally, filter or filter elements shall be changed at a schedule specified by the manufacturer. [N.J.A.C. 7:27- 8.13(a)]	Monitored by pressure drop instrument upon occurrence of event. [N.J.A.C. 7:27-8.13(d)2]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall record each instance of replacement of filter element. [N.J.A.C. 7:27- 8.13(d)3]	None.
2	Pressure Drop >= 0.1 and Pressure Drop <= 1.5 inches w.c. across the filter. [N.J.A.C. 7:27- 8.13(a)]	Pressure Drop: Monitored by pressure drop instrument once per shift during operation. [N.J.A.C. 7:27- 8.13(d)1]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. [N.J.A.C. 7:27- 8.13(d)4]	

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Soil Treatment System**

Subject Item: **CD5 Coalescing Filter (Lead & Standby)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The permittee shall conduct the inspection of filter to ensure the filter is functioning properly each time, the calciner (LTTD) face pressure is greater than 0" w.c. At each time, during an inspection, at a minimum, the permittee shall conduct filter inspection and perform cleaning, maintenance and replacement, if necessary. Additionally, filter or filter elements shall be changed at a schedule specified by the manufacturer. [N.J.A.C. 7:27- 8.13(a)]	Monitored by pressure drop instrument upon occurrence of event. [N.J.A.C. 7:27-8.13(d)2]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall record each instance of replacement of filter element. [N.J.A.C. 7:27- 8.13(d)3]	None.
2	Pressure Drop >= 2 and Pressure Drop <= 20 inches w.c. across the filter. [N.J.A.C. 7:27- 8.13(a)]	Pressure Drop: Monitored by pressure drop instrument once per shift during operation. [N.J.A.C. 7:27- 8.13(d)1]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. [N.J.A.C. 7:27- 8.13(d)4]	

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Emission Unit: **U1 Soil Treatment System**

Subject Item: **CD7 Carbon Adsorbers, CD8 Secondary Adsorber, CD9 Tertiary Adsorber**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Prior to startup, carbon loading procedures shall be developed, documented, and modified as necessary based on actual experience. This operation shall minimize air contaminant emissions, by implementing best possible precautions such that any gaseous emissions release to the ambient air is avoided. [N.J.A.C. 7:27- 8.13(a)]		Recordkeeping by manual logging of parameter or storing data in a computer data system once initially and per change of material. [N.J.A.C. 7:27- 8.13(d)3]	
2	PCBs: The PCB concentration shall be measured in the exhaust stream exiting CD7 prior to entering CD8 to determine breakthrough. [N.J.A.C. 7:27- 8.13(a)]	PCBs: Monitored by periodic emission monitoring at the approved frequency. This stipulated schedule for PCB monitoring requires 4 sampling events. The first monitoring event shall be conducted prior to processing 5,000 tons of contaminated soil. The second monitoring event shall occur prior to processing an additional 5,000 tons after the initial PCB sample had been taken. Two more subsequent PCB monitoring events shall occur, prior to processing each time 10,000 tons of soil after the most recent sampling event. . [N.J.A.C. 7:27- 8.13(d)1]	PCBs: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27- 8.13(d)3]	
3	The permitee shall continue the PCB sampling event for breakthrough at a frequency of processing every 10,000 tons of soil, if any of four testings for breakthrough performed under Reference #2 shows the PCB emission rate greater than 2.05 E-4 lb/hr. [N.J.A.C. 7:27- 8.13(a)]		Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27- 8.13(d)3]	

New Jersey Department of Environmental Protection
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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Carbon Adsorbent Replacement: The lead carbon unit (CD7) shall be taken out of service and replaced with the secondary carbon unit(CD8), the tertiary carbon unit (CD9) shall become new secondary unit (CD8) and the tertiary unit (CD9) shall be replaced with a new unit comprising of fresh, unused activated carbon or newly regenerated activated carbon upon any of the following occurrences: 1. After 10,000 tons of contaminated soil is processed since the startup; 2. Prior to 10,000 tons of contaminated soil being processed since the most recent Carbon Adsorbent Replacement event; or 3. Upon breakthrough: any of the PCB sampling and analytical results that shows PCB emission rate greater than 2.05 E-4 lb/hr. To calculate Lb/hr, the air flow measured during the sampling event shall be recorded. [N.J.A.C. 7:27- 8.13(h)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Each time that the spent carbon in CD9 was replaced with fresh, unused activated carbon or newly regenerated activated carbon and the reason why it was replaced shall be recorded. [N.J.A.C. 7:27- 8.13(d)3]	
5	When the contaminated soil is under treatment in LTTD unit, the lead carbon unit CD 7 relative humidity shall be maintained at a minimum 50% relative humidity, except for five minutes in duration after each temperature readings. [N.J.A.C. 7:27-8.13(a)]	Monitored by temperature instrument each hour during operation by monitoring outlet temperture of condenser CD3 and inlet primary carbon adsorber CD7 and calculation shall use these two readings. [N.J.A.C. 7:27- 8.13(d)2]	Recordkeeping by manual logging of parameter or storing data in a computer data system each hour during operation. [N.J.A.C. 7:27- 8.13(d)3]	

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Soil Treatment System**

Subject Item: **CD11 LTTD Burners**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	At all times the exhaust gas stream from the air pollution control train exiting CD10 shall be redirected to supplement the combustion air in the combustion zone of the LTTD calciner unit. [N.J.A.C. 7:27- 8.13(d)a]	Monitored by documentation of construction once initially. [N.J.A.C. 7:27-8.13(a)]		
2	The permittee shall retain the services of burner manufacturer to perform initial burner tuning and shall again perform similar tune up within next six months from the first one. [N.J.A.C. 7:27- 8.13(a)]		Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27- 8.13(d)3]	
3	The fuel used to heat up the LTTD calciner shall be propane only. [N.J.A.C. 7:27-8.13(a)]			

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Soil Treatment System**

Subject Item: **CD12 Carbon for WWT Building Air Handling Operations**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The permittee shall replace the carbon in the the adsorber CD12, at every six months of operation. [N.J.A.C. 7:27- 8.13(h)]	Monitored by periodic emission monitoring once initially, based on an instantaneous determination and once after the replacenent of first carbon adsorbent. VOCs shall be monitored prior to and after CD12 while operating under typical conditions. [N.J.A.C. 7:27- 8.13(d)1]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event . [N.J.A.C. 7:27- 8.13(d)3]	

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Soil Treatment System**

Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	There shall be no fugitive emissions from the LTTD calciner, and its air pollution control system. If any fugitive emissions occur for more than 5 minutes, LTTD calciner shall cease feeding contaminated soils and shall not be restarted until the cause of the fugitive emissions has been identified and the problem has been corrected. [N.J.A.C. 7:27- 8.13(a)]	Monitored by visual determination each hour during operation. In addition, plant personnel shall be instructed to notify the plant supervisor should fugitive emissions be seen. [N.J.A.C. 7:27- 8.13(d)1]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Any time fugitive emissions are seen for more than 5 minutes, the location of the emissions, the cause of the emissions, time and date of the emissions, time and date that the contaminated soil feed was ceased, the cause of the fugitive emissions, and how the problem was corrected shall all be recorded. [N.J.A.C. 7:27- 8.13(d)3]	
2	There shall be no visible emissions at the stack except for a period not longer than three minutes in any consecutive thirty (30) minute period. No visible emissions are equivalent to less than five percent (5%) opacity as determined using New Jersey Air Test Method 2. [N.J.A.C. 7:27- 8.13(a)]	Monitored by visual determination once per calendar day during operation. For compliance with the opacity standard, the permittee shall conduct visual opacity inspections during daylight hours. If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and/or control devices causing the emission is operating according to manufacturers specifications, the permit compliance plan, and all applicable conditions of approval. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. (2) If the corrective action taken in Step (1) does not correct the opacity problem within 24 hours, the permittee shall perform a check via a certified opacity reader, in accordance with New Jersey Air Test Method 2. Such test shall be conducted each day until corrective action successfully corrects the opacity problem. [N.J.A.C. 7:27- 8.13(d)1]	Recordkeeping by manual logging of parameter each week during operation. The permittee shall manually log in a permanently bound log book and retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operation status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken, if needed; (6) Date and time opacity problem was solved, if applicable; (7) New Jersey Test Method 2 results, if conducted; and (8) Name of person(s) conducting the inspection. [N.J.A.C. 7:27- 8.13(d)3]	Submit a report: Upon occurrence of event The permittee shall only report permit violations (excess visible emissions) to the Department. [N.J.A.C. 7:27- 8.13(d)4]

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Nitrogen oxides (NOx) <= 10.65 tons/yr. [N.J.A.C. 7:27- 8.13(a)]	Nitrogen oxides (NOx): Monitored by calculations annually, based on one calendar year . [N.J.A.C. 7:27- 8.13(d)1]	Nitrogen oxides (NOx): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27- 8.13(d)3]	
4	Carbon monoxide <= 14.53 tons/yr. [N.J.A.C. 7:27- 8.13(a)]	Carbon monoxide: Monitored by calculations annually, based on one calendar year . [N.J.A.C. 7:27- 8.13(d)1]	Carbon monoxide: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27- 8.13(d)3]	
5	Particulate Emissions <= 0.74 tons/yr. [N.J.A.C. 7:27- 8.13(a)]	Particulate Emissions: Monitored by calculations annually, based on one calendar year . [N.J.A.C. 7:27- 8.13(d)1]	Particulate Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27- 8.13(d)3]	
6	PM-10 (Total) <= 0.74 tons/yr. [N.J.A.C. 7:27- 8.13(a)]	PM-10 (Total): Monitored by calculations annually, based on one calendar year. [N.J.A.C. 7:27- 8.13(d)1]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27- 8.13(d)3]	
7	VOC (Total) <= 4.96 tons/yr. [N.J.A.C. 7:27- 8.13(a)]	VOC (Total): Monitored by calculations annually, based on one calendar year . [N.J.A.C. 7:27- 8.13(d)1]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27- 8.13(d)3]	
8	SO2 <= 1.59 tons/yr. [N.J.A.C. 7:27- 8.13(a)]	SO2: Monitored by calculations annually, based on one calendar year. [N.J.A.C. 7:27- 8.13(d)1]	SO2: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27- 8.13(d)3]	

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	As part of best management practices performed by the facility, the permittee shall implement a Dust Management Plan. This plan shall address, at a minimum, all permit requirements related to fugitive emissions. The plan must include the following: 1. procedures for visual inspections of material handling and process equipment; 2. dust management procedures; 3. corrective actions; and 4. a checklist of sources and areas to be checked daily for visible emissions and accumulations of dusty material in open areas (other than in the storage piles). The personnel involved in the implementation of the dust management plan must be trained on the contents of the plan. The personnel must be provided with the checklist of all items to be inspected, inspection procedures, dust management procedures, and corrective actions for expected malfunctions. The plan will be kept on-site, current and made available to the Department personnel upon request. The permittee shall follow the plan regarding visual inspections of material handling and process equipment, dust management procedures, and corrective actions when visible emissions or accumulation of dusty material are observed. If the permittee fails to follow the dust management plan, this will be a violation of N.J.A.C. 7:27-8.3(e) [N.J.A.C. 7:27-8.13(a)]		Recordkeeping by manual logging of parameter or storing data in a computer data system once per calendar day during operation. The parameters recorded shall include the completed inspection checklist and corrective actions, if any. The checklist shall include the date and time and the name and position of the person completing the checklist and be signed by that person. [N.J.A.C. 7:27- 8.13(d)3]	Submit notification: Upon occurrence of event. If the Department cites a violation for visible emissions and determines that the Dust Management Plan is inadequate for prevention and response to visible emissions, the permittee shall revise the appropriate portions of the Dust Management Plan that deal with the area(s) of the facility where the violation occurred within seven (7) calendar days of the date of the citation. Within seven (7) calendar days of the date of the citation, these Dust Management Plan revisions shall be made to correct the cause of citation and and the modification shall be implemented by the permittee immediately. The notification of execution of modified plan shall be submitted to the Regional Enforcement Office within 3 working days of start of implementation. [N.J.A.C. 7:27- 8.13(d)4]
10	The permittee shall not emit any applicable HAP or TXS, other than the compounds listed in this permit, at a rate equal to or above the reporting thresholds outlined in N.J.A.C. 7:27-8 Appendix 1 Tables A and B. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The disposal of residuals generated by the LTTD system, including residues from waste water treatment plant, shall be at an approved facility in accordance with state and federal regulations. [N.J.A.C. 7:27-8.13(a)]	Monitored by other method (provide description) upon occurrence of event by maintaining manifests/disposal records. [N.J.A.C. 7:27- 8.13(d)a]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27- 8.13(d)3]	
12	The permittee shall post the name of the contact person, together with the address and phone number, on a permanent, legible sign in a conspicuous location at the soil treatment facility site prior to beginning the work to be performed in accordance with this permit approval. [N.J.A.C. 7:27- 8]			
13	The permitte shall perform the emissions testing as per approved protocol for PCBs, lead, nickel and manganese, at the exit of CD10, within 60 days of approval of protocol from BTS. [N.J.A.C. 7:27- 8.13(h)]			Submit a stack test protocol: As per the approved schedule within 60 days of the approval of this permit equivalency. Any extension could be obtained from NJ DEP's Central Regional Enforcement Office. [N.J.A.C. 7:27- 8]
14	The Permittee shall follow the guidance provided by BTS Technical Manual 1005 for daily monitoring for CO, THC/VOC and O2. The default monitoring (non-reference method) procedure for CO and O2 shall be EPA Conditional Test Method 034 (CTM-034) which may be found on EPA?s website at http://www.epa.gov/ttn/emc/ctm.html. The default monitoring (non-reference method) procedure for VOC and THC may be found at the following website http://www.state.nj.us/dep/bts/proto.html. If the default monitoring methods cannot be utilized, the Permittee shall obtain approval from BTS regarding an alternate monitoring method. [N.J.A.C. 7:27- 8.13(a)]			None.

New Jersey Department of Environmental Protection
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Emission Unit: **U1 Soil Treatment System**

Operating Scenario: **OS1 Soil Feed Conveying System**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	There shall be no visible emissions during loading of the contaminated soil to the hopper from the inside of the soil storage building. [N.J.A.C. 7:27- 8.13(a)]	Monitored by visual determination once per shift during operation. [N.J.A.C. 7:27-8.13(d)3]		
2	The feed rate of the contamianted soil to the inlet of LTTD unit shall not exceed 20 tons per hour. [N.J.A.C. 7:27- 8.13(h)]	Monitored by waste feed/charge rate monitoring (solid) each hour during operation, based on a 1 hour rolling average (rolling 1 minute basis). [N.J.A.C. 7:27-8.13(d)2]	Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27- 8.12(d)3]	
3	The feed conveyor shall be covered to the possible extent to avoid material from falling. [N.J.A.C. 7:27- 8.13(d)h]	Monitored by documentation of construction once initially. [N.J.A.C. 7:27-8.13(d)1]	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-8.13(d)3]	

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Emission Unit: **U1 Soil Treatment System**

Operating Scenario: **OS2 Calciner with LTTD**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Prior to commencing the contaminated soil feed to the LTTD calciner unit, all control devices; CD1 through CD11 shall be in operational mode. [N.J.A.C. 7:27- 8.13(a)]	Monitored by visual determination daily prior to startup of the LTTD unit. [N.J.A.C. 7:27- 8.13(d)2]		
2	Waste Processing Rate <= 20 tons/hr. "Waste" here refers to the "contaminated soil". The limt set at 20 tons/hour is for maximum hourly processing rate. The average contaminated soil/waste processing rate is estimated at 18 tons per hour. [N.J.A.C. 7:27- 8.13(h)]	Waste Processing Rate: Monitored by waste feed/charge rate monitoring (solid) each hour during operation, based on one calendar day. At the end of 12 calendar month period, the cummulative amount of soil processed shall not exceed 150,000 tons.For each. [N.J.A.C. 7:27- 8.13(d)2]	Waste Processing Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27- 8.12(d)3]	
3	PCBs: The maximum concentration shall not eexceed 22,000 ppmw. The average PCB concentration is estimated at 580 ppmw. [N.J.A.C. 7:27- 8.13(h)]	PCBs: Monitored by calculations initial calculations only based on historical sampling performed to prepare Remedial Action plan may be used to comply with this requirement. However, at least one discrete sample shall be taken each shift, and these samples shall be combined into a daily composite sample and then be analyzed for PCB. [N.J.A.C. 7:27- 8.13(a)]	PCBs: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27- 8.13(d)3]	
4	Propane <= 10,262 ft^3/hr based on 36.39 cubic ft/gallon. [N.J.A.C. 7:27- 8.13(h)]	Propane: Monitored by fuel flow/firing rate instrument daily, based on a daily average. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27- 8.13(d)2]	Propane: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27- 8.13(d)3]	
5	Annual fuel use for Propane <= 2.117 MMgal/yr. [N.J.A.C. 7:27- 8.13(h)]	Propane: Monitored by fuel flow/firing rate instrument each hour during operation. For fuel use calculations, the conversion factor of 36.39 cubic ft/gallon may be used. [N.J.A.C. 7:27- 8.13(d)2]	Propane: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. [N.J.A.C. 7:27- 8.13(4)]	
6	Soil Treatment Temperature: The exit soil temperature shall not exceed 800 degree F. [N.J.A.C. 7:27- 8.13(a)]	Monitored by temperature instrument continuously, based on a 1 hour rolling average (rolling 1 minute basis). [N.J.A.C. 7:27- 8.13(d)2]	Recordkeeping by manual logging of parameter or storing data in a computer data system each hour during operation. [N.J.A.C. 7:27- 8.13(d)3]	

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Particulate Emissions <= 0.74 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	Particulate Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-8.13(d)2]	Particulate Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27- 8.13(d)3]	None.
8	VOC (Total) <= 1.32 lb/hr. [N.J.A.C. 7:27-8.13(h)]	VOC (Total): Monitored by periodic emission monitoring daily. The VOC monitoring shall be done at Stack PT3 using a process monitor which measures either VOC or THC. [N.J.A.C. 7:27- 8.13(d)1]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-8.13(d)3]	None.
9	CO <= 200 ppm @ 3% O2. [N.J.A.C. 7:27-8.13(h)]	CO: Monitored by periodic emission monitoring daily The CO monitoring shall be done at the stack PT 3. [N.J.A.C. 7:27-8.13(d)1]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment. [N.J.A.C. 7:27- 8.13(d)3]	None.
10	CO <= 3.87 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	CO: Monitored by periodic emission monitoring once initially The CO monitoring of ppmv and air flow rate shall be used at the stack PT 3. [N.J.A.C. 7:27-8.13(d)1]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-8.13(d)3]	None.
11	SO2 <= 0.43 lb/hr. [N.J.A.C. 7:27- 8.13(h)]	SO2: Monitored by calculations once initially. [N.J.A.C. 7:27- 8.13(d)1]	SO2: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-8.13(d)3]	None.
12	NOx (Total) <= 89 ppm @ 3% O2. [N.J.A.C. 7:27- 8.13(h)]	NOx (Total): Monitored by periodic emission monitoring semiannually: once every six months; six month cycle shall begin on January 1 and July 1 of each year The NOx monitoring shall be done at the stack PT 3. [N.J.A.C. 7:27- 8.13(d)1]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27- 8.13(d)3]	None.
13	NOx (Total) <= 2.84 lb/hr. [N.J.A.C. 7:27-8.13(h)]	NOx (Total): Monitored by periodic emission monitoring semiannually: once every six months; six month cycle shall begin on January 1 and July 1 of each year The NOx monitoring of concentration and air flow shall be used to comly. [N.J.A.C. 7:27- 8.13(d)1]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27- 8.13(d)3]	None.
14	VOC Control Efficiency <= 99 % . [N.J.A.C. 7:27- 8.13(d)]	VOC Control Efficiency: Monitored by calculations upon request of the Department. If required, it shall be based on actual air sampling/testing and at a reasonable schedule agreed upon by the permittee, CRO, BPP and BTS. [N.J.A.C. 7:27-8.13(d)2]	None.	

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	The feed to LTTD unit shall cease : 1. if any of the control device is not in operation, or 2. at any time, the soil feed rate exceeds 20 ton per hour, based on rolling 60 minute avrage. 3. If fugitive emissions are observed for more than 5 minutes. [N.J.A.C. 7:27-8.13(d)a]		Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27- 8.13(d)3]	
16	The permittee shall not emit any applicable HAP or TXS, other than the compounds listed in this permit, at a rate equal to or above the reporting thresholds outlined in N.J.A.C. 7:27-8 Appendix 1 Tables A and B. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	None.
17	The permitte shall submit the testing protocol for testing PCBs, lead, nickel and manganese, at the exit of HEPA filter CD10, within 60 days of approval of this permit equivalency. The actual test results shall be used to comply with de minimis emission rate for lead, nickel and manganese and with an air pollution control efficiency of 99.9999% or de minimis emission rate for PCBs. [N.J.A.C. 7:27- 8.13(h)]	Monitored by stack emission testing once initially, based on the average of three 1-hour tests. The test ports shall be located subsequent to HEPA filter CD10. The scope of testing shall be limited to PCBs, lead, nickel, manganese. . [N.J.A.C. 7:27- 8.13(d)1]	None.	Submit a stack test protocol: Within 60 days from the date of the approved permit. [N.J.A.C. 7:27- 8.4(f)]
18	Within 60 days of approval of proptocol by BTS, the permitte shall perorm the testing as per approved protocol and submit test results to BTS. [N.J.A.C. 7:27- 8.4(f)]		Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-8.13(d)3]	Submit test results: Within 60 days of stack testing. [N.J.A.C. 7:27- 8.4(f)]

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Emission Unit: **U1 Soil Treatment System**

Operating Scenario: **OS3 Soil Conveying System Exiting LTTD**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No Visible Emissions: No equipment, including the feeding of trated soil to the conveyor, shall be used in a manner that will cause visible emissions, exclusive of condensed water vapor, except for a period not to exceed three (3) minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 8]	Monitored by visual determination daily. [N.J.A.C. 7:27- 8]	None.	Notify by phone: Upon occurrence of event , If visible emissions are observed, the permittee shall cease operation. Operation shall not be resumed until corrective action(s) or measures are taken to prevent the visible emissions. If measures fail to correct visible emissions within 24-hours of observation, the permittee shall immediately notify the Department by calling the Environmental Action Hotline at (877) 927-6337, and report the incident to the NJDEP Northern Regional Office, within three (3) business days. [N.J.A.C. 7:27- 8]
2	The treated soil material stockpile shall be covered or located in an enclosed area, except those soil material stockpile which are actively receiving material from LTTD or from where transfer are occurring. If not, a water spray system must be available around the area where the stockpile is located to be used on as needed basis to prevent potential visible emissions. [N.J.A.C. 7:27- 8]	Monitored by visual determination upon occurrence of event. [N.J.A.C. 7:27- 8]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall record the day and time when the water spray system is operated to prevent visible emissions. All records shall be kept on-site, or at the permittee's main office, for at least five (5) years, readily made available to the Department upon request. [N.J.A.C. 7:27- 8]	None.
3	The soil conveyor for treated soil shall be covered to the possible extent. [N.J.A.C. 7:27- 8.13(a)]	Monitored by documentation of construction once initially. [N.J.A.C. 7:27- 8.13(a)]		

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Soil Treatment System**

OS4 WWT - Filter Press

Operating Scenario:

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	At all times when, the filter press is being emptied or cleaned, the building shall be kept under negative pressure and all vapors shall be exhausted by routing it to the carbon adsorber CD12. [N.J.A.C. 7:27-8.13(a)]	Monitored by documentation of construction once initially and every day visual inspection of operational status of the exhaust fan. [N.J.A.C. 7:27- 8.13(d)2]	Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27- 8.13(d)3]	
2	The permittee shall not emit any applicable HAP or TXS, other than the compounds listed in this permit, at a rate equal to or above the reporting thresholds outlined in N.J.A.C. 7:27-8 Appendix 1 Tables A and B. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Soil Treatment System**

OS5 WWT - Oil-Water Separator

Operating Scenario:

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	When any of waste treatment plant equipment are in operation, Filter Press, Oil Water Separator, Waste water mixing tank (20,000 gallon), water clarifier, head tank and three reagent tanks, all air exhaust from any and all operations shall be directed to carbon adsorber CD12, before discharged through stack PT6. [N.J.A.C. 7:27- 8.13(a)]	Monitored by visual determination daily by observation of status of the exhaust fan. [N.J.A.C. 7:27- 8.13(d)2]	Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27- 8.13(d)3]	
2	When waste treatment plant equipment are in operation, utmost care shall be taken to avoid any fugitive emissions. The placement of covers and enclosures shall be maintained following best management practice in order to minimize the air contaminant emissions. All equipment shall be periodically checked and maintained as needed basis. [N.J.A.C. 7:27- 8.13(a)]	Monitored by visual determination daily. [N.J.A.C. 7:27- 8.13(d)a]	Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27- 8.13(d)3]	
3	The permittee shall not emit any applicable HAP or TXS, other than the compounds listed in this permit, at a rate equal to or above the reporting thresholds outlined in N.J.A.C. 7:27-8 Appendix 1 Tables A and B. [N.J.A.C. 7:27- 8.13(a)]	None.	None.	

CORNELL DUBILIER ELECTRONICS INC (18786)
PCP090001

Date: 8/25/2009

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: **Number:** 0

Description of Modifications: Maxymillian has prepared the following air equivalency application for the construction of a low temperature thermal desorption (LTTD) unit and ancillary emission sources to treat contaminated soil at the Cornell Dubilier Electronics (CDE) Superfund site located in South Plainfield, New Jersey. Maxymillian is the owner and operator of the LTTD unit and ancillary equipment and thus is submitting this air equivalency package for these air emission sources. Since Maxymillian does not perform soil excavation activities, soil excavation activities at the site are excluded from the scope of this air equivalency package. Based on the results of a risk screening analysis, the potential emissions from the LTTD unit and associated air pollution control system are below the NJDEP thresholds for both long-term (annual) and short-term (hourly) risk.

Maxymillian requests that NJDEP process this air equivalency application on an expedited basis so that construction can commence as soon as possible. The installation of the LTTD unit and ancillary equipment will enable Maxymillian to commence soil treatment activities at the CDE facility. Maxymillian proposes to commence construction activities in July 2009 and commence operation in August 2009.

CORNELL DUBILIER ELECTRONICS INC (18786)
PCP090001

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Maxymillian Technologies, Inc.

Facility ID (AIMS): 18786

Street Address: 333 HAMILTON BLVD
SOUTH PLAINFIELD, NJ 07080

Mailing Address: 1801 EAST ST
PITTSFIELD, MA 01201

State Plane Coordinates:

X-Coordinate:

Y-Coordinate:

Units:

Datum:

Source Org.:

Source Type:

County: Middlesex

Location Description:

Industry:

Primary SIC:	8711
Secondary SIC:	
NAICS:	541330

CORNELL DUBILIER ELECTRONICS INC (18786)
PCP090001

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: Maxymillian Technologies, Inc.
Org. Type: Corporation
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NJ EIN:
Title: Senior Vice President
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Contact Type: Consultant

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Org. Type: Corporation
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Mailing Address: 1801 East Street
Pittsfield, MA 01201

CORNELL DUBILIER ELECTRONICS INC (18786) Date: 8/25/2009

PCP090001

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E1	Soil Inlet	Soil Feed Equipment	Manufacturing and Materials Handling Equipment			No		
E2	LTTD Unit	LTTD Unit	Fuel Combustion Equipment (Other)			No		
E3	Soil Outlet	Soil Conveying System Exiting LTTD	Manufacturing and Materials Handling Equipment			No		
E4	WWT - Filter	Filter Press in WWT Operations	Manufacturing and Materials Handling Equipment			No		
E5	OWS	Oil-Water Separator in WWT Operations	Manufacturing and Materials Handling Equipment			No		

CORNELL DUBILIER ELECTRONICS INC (18786) Date: 8/25/2009

PCP090001

New Jersey Department of Environmental Protection
Control Device Inventory

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD1	Baghouse	Baghouse	Particulate Filter (Baghouse)		No		
CD2	Quench	Quench	Scrubber (Venturi)		No		
CD3	Condenser	Condenser	Condenser		No		
CD4	Pre-Filter	Pre-Filter Box (Lead & Standby)	Particulate Filter (Other)		No		
CD5	Coalescing	Coalescing Filter (Lead & Standby)	Particulate Filter (Other)		No		
CD6	HEPA 1	HEPA Filter 1 (Lead & Standby)	Particulate Filter (HEPA)		No		
CD7	Adsorber 1	Carbon Adsorbers	Adsorber		No		
CD8	Adsorber 2	Secondary Adsorber	Adsorber		No		
CD9	Adsorber 3	Tertiary Adsorber	Adsorber		No		
CD10	HEPA	HEPA Filter 2	Particulate Filter (HEPA)		No		
CD11	Burners	LTTD Burners	Oxidizer (Thermal)		No		
CD12	Adsorber 4	Carbon for WWT Building Air Handling Operations	Adsorber		No		

CORNELL DUBILIER ELECTRONICS INC (18786)
PCP090001

Date: 8/25/2009

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT1	Soil Inlet	Soil Handling Builidng Exhaust	Round	12	15	200	60.0	40.0	80.0	2,000.0	1,500.0	2,200.0	Up	
PT2	LTTD Exh. #1	LTTD Exhaust Point #1	Round	28	20	200	500.0	200.0	800.0	5,900.0	5,000.0	7,000.0	Up	
PT3	LTTD Exh. #2	LTTD Exhaust Point #2	Round	28	20	200	500.0	200.0	800.0	5,900.0	5,000.0	7,000.0	Up	
PT4	LTTD Exh. #3	LTTD Exhaust Point #3	Round	28	20	200	500.0	200.0	800.0	5,900.0	5,000.0	7,000.0	Up	
PT5	Soil Outlet	Outlet Soil Conveyor Exhaust Point	Surface	12	15	200	60.0	40.0	80.0	6.0	0.0	6.0	Up	
PT6	WWT Builidng	Wastewater Treatment Building Exhaust	Round	6	20	230	60.0	40.0	80.0	500.0	400.0	575.0	Up	

CORNELL DUBILIER ELECTRONICS INC (18786)
PCP090001

Date: 8/25/2009

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 1 Soil Treat Soil Treatment System

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Soil	Soil Feed Conveying System	Normal - Steady State	E1		PT1		0.0	8,760.0		1,500.0	2,200.0	40.0	80.0
OS2	Burner/LTTD	Calciner with LTTD	Normal - Steady State	E2	CD1 (P) CD10 (T) CD11 (T) CD2 (S) CD3 (T) CD4 (T) CD5 (T) CD6 (T) CD7 (T) CD8 (T) CD9 (T)	PT2 PT3 PT4		0.0	8,760.0		15,000.0	21,000.0	500.0	1,000.0
OS3	Outlet Soil	Soil Conveying System Exiting LTTD	Normal - Steady State	E3		PT5		0.0	8,760.0		0.0	6.0	40.0	80.0
OS4	WWT - Filter	WWT - Filter Press	Normal - Steady State	E4	CD12 (P)	PT6		0.0	8,760.0		400.0	575.0	40.0	80.0
OS5	WWT - OWS	WWT - Oil-Water Separator	Normal - Steady State	E5	CD12 (P)	PT6		0.0	8,760.0		400.0	575.0	40.0	80.0

Load No.	Manifest Id #	Generation Date	Material Type	Material Source	Waste Classification Code	Waste Profile	SES Waste Code	Sample ID	Method of Shipment	Quantity	SES Est. Net Weight (Tons)	Actual Net Weight (Tons)	Actual TOTAL Mat'l Qty (Tons)	Transporter	Container ID	Bill of Lading No	Date Shipped	Disposal Destination	Disposal Date	Certificate of Disposal No.
413	003059748FLE	1/11/2010	Filter Press Cake	N/A	Haz-PCB	CH408867B	Maxy	N/A	Rolloff	1	12.06	12.56		Clean Harbors	CHRT25331	N/A	3/4/2010	Clean Harbor Deer Park	3/18/2010	20602225
414	003059749FLE	1/5/2010	Filter Press Cake	N/A	Haz-PCB	CH412846B	Maxy	N/A	Rolloff	1	13.42	14.55		Clean Harbors	CHRT25766	N/A	3/4/2010	Clean Harbor Aragonite	3/22/2010	20601120
415	003059750FLE	1/26/2010	Filter Press Cake	N/A	Haz-PCB	CH412846B	Maxy	N/A	Rolloff	1	14.65	15.08	**42.19**	Clean Harbors	CHRT25777	N/A	3/4/2010	Clean Harbor Aragonite	3/8/2010	20600077
592	003059997FLE	2/19/2010	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	18.19	18.15		Clean Harbors	CHRT25894	N/A	3/30/2010	Clean Harbor Aragonite	4/5/2010	20814364
593	003059996FLE	3/5/2010	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	12.55	12.52	**30.67**	Clean Harbors	CHRT25034	N/A	3/31/2010	Clean Harbor Aragonite	4/5/2010	20814724
666	003059998FLE	3/4/2010	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	16.90	16.86		Clean Harbors	CHRT25278	N/A	5/6/2010	Clean Harbor Aragonite	6/21/2010	21196733
667	003060888FLE	3/18/2010	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	16.96	16.92		Clean Harbors	USPC410634	N/A	5/10/2010	Clean Harbor Aragonite	6/21/2010	21500234
668	003060889FLE	3/30/2010	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	14.46	14.43		Clean Harbors	CLHA 250089	N/A	5/11/2010	Clean Harbor Aragonite	6/21/2010	21501192
669	003060891FLE	4/15/2010	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	14.66	14.63		Clean Harbors	CLHA250285	N/A	5/11/2010	Clean Harbor Aragonite	6/21/2010	21502625
670	003060890FLE	3/30/2010	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	15.21	15.18	**78.02**	Clean Harbors	CLHA250257	N/A	5/12/2010	Clean Harbor Aragonite	6/21/2010	21503147
1115	003030261FLE	7/1/2010	PCB Oil	Various	Haz-PCB Liquid	CH408868B	Maxy	N/A	Tanker	1	11.40	12.50	**12.50**	Clean Harbors	92310T	N/A	7/1/2010	Clean Harbors Argonite	7/6/2010	21608015
1308	003030218FLE	5/5/2010	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	14.90	13.92		Clean Harbors	CLHA255054	N/A	7/26/2010	Clean Harbors Argonite	9/20/2010	22325072
1309	003030221FLE	6/3/2010	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	15.27	13.53	**27.45**	Clean Harbors	CHIU255081	N/A	7/26/2010	Clean Harbors Argonite	9/2/2010	22202243
1310	003030219FLE	6/8/2010	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	14.55	11.76		Clean Harbors	CLHA250254	N/A	7/29/2010	Clean Harbors Argonite	9/20/2010	22325615
1311	003030220FLE	6/9/2010	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	15.36	15.11	**26.87**	Clean Harbors	CLHA250178	N/A	7/29/2010	Clean Harbors Argonite	8/28/2010	22092821
1548	003437351FLE	9/9/2010	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	15.34	14.40	**14.40**	Clean Harbors	USPC410634	N/A	11/1/2010	Clean Harbors Argonite	12/28/2010	23045743
1549	003437350FLE	8/26/2010	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	20.32	19.50		Clean Harbors	CLHA250192	N/A	11/2/2010	Clean Harbors Argonite	12/28/2010	23045575
1550	003437356FLE	9/27/2010	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	14.93	11.82	**31.32**	Clean Harbors	CLHA250084	N/A	11/2/2010	Clean Harbors Argonite	1/3/2011	23028675
1551	003437354FLE	9/21/2010	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	15.00	14.85	**14.85**	Clean Harbors	CLHA255046	N/A	11/4/2010	Clean Harbors Argonite	1/9/2011	23028467
1624	003433682FLE	12/1/2010	PCB Oil	Various	Haz-PCB Liquid	CH408868B	Maxy	N/A	Tanker	1	17.13	14.78	**14.78**	Clean Harbors	92310T	N/A	12/3/2010	Clean Harbors Argonite	1/26/2011	22929963
2292	003885564FLE	1/15/2011	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	19.45	19.31		Clean Harbors	CLHA250285	N/A	2/15/2011	Clean Harbors Argonite	4/9/2011	23801383
2293	003885568FLE	1/12/2011	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	16.95	13.81	**33.12**	Clean Harbors	CLHA250270	N/A	2/15/2011	Clean Harbors Argonite	4/30/2011	23838276
2342	003885709FLE	2/14/2011	PCB Oil	Various	Haz-PCB Liquid	CH408868B	Maxy	N/A	Tanker	1	9.56	11.08	**11.08**	Clean Harbors	92310T	N/A	2/17/2011	Clean Harbors Argonite	3/12/2011	23454604
2343	003885567FLE	2/1/2011	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	16.99	5.76	**5.76**	Clean Harbors	CLHA250257	N/A	2/17/2011	Clean Harbors Argonite	4/17/2011	23839869
2360	003885569FLE	2/14/2011	Filter Press Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	15.27	13.70	**13.70**	Clean Harbors	CLHA 250254	N/A	2/18/2011	Clean Harbors Argonite	4/12/2011	23783875
2549	003986082FLE	4/20/2011	PCB Oil	Various	Haz-PCB Liquid	CH408868B	Maxy	N/A	Tanker	1	2.58	2.96	**2.96**	Clean Harbors	92310T	N/A	4/20/2011	Clean Harbors Argonite	4/30/2011	23929945
2860	003986024FLE	3/1/2011	Filters	N/A	Haz-PCB Solid	CH412019B	Maxy	N/A	Rolloff	1	22.25	18.44		Clean Harbors	CLHA250291	N/A	5/23/2011	Clean Harbors Argonite	8/1/2011	24559784
2861	003997185FLE	5/3/2011	Filter Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	18.94	14.08		Clean Harbors	CHIU255081	N/A	5/23/2011	Clean Harbors Argonite	8/1/2011	24559810
2862	003997182FLE	5/23/2011	Cake/Carbon	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	21.89	16.10	**48.62**	Clean Harbors	CLHA250178	N/A	5/23/2011	Clean Harbors Argonite	8/2/2011	24559968
2863	003997184FLE	5/23/2011	Carbon	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	18.85	14.35		Clean Harbors	CLHA255054	N/A	5/24/2011	Clean Harbors Argonite	7/19/2011	24559682
2864	003997183FLE	3/1/2011	Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	20.79	15.18	**29.53**	Clean Harbors	CLHA250089	N/A	5/24/2011	Clean Harbors Argonite	7/19/2011	24559776
2865	004710961FLE	4/27/2011	Debris	N/A	Haz-PCB Solid	CH491695B	Maxy	N/A	Rolloff	1	20.64	16.86	**16.86**	Clean Harbors	CLHA258131	N/A	5/25/2011	CLEAN HARBOURS GRASSY	7/7/2011	11004692
2890	003986158FLE	3/22/2011	Debris	N/A	Haz-PCB Solid	CH491695B	Maxy	N/A	Rolloff	1	17.65	14.62		Clean Harbors	CHIU255024	N/A	5/31/2011	CLEAN HARBOURS GRASSY	7/19/2011	24608818
2891	004710959FLE	5/20/2011	Cake	N/A	Haz-PCB Solid	CH412846B	Maxy	N/A	Rolloff	1	9.80	6.25	**20.87**	Clean Harbors	CLHA250196	N/A	5/31/2011	Clean Harbors Argonite	7/27/2011	24662726
2916	003986157FLE	3/23/2011	Debris	N/A	Haz-PCB Solid	CH491695B	Maxy	N/A	Rolloff	1	17.17	13.46	**13.46**	Clean Harbors	CLHA250258	N/A	6/1/2011	CLEAN HARBOURS GRASSY	7/20/2011	24625304
2917	004711039FLE	5/2/2011	Debris	N/A	Haz-PCB Solid	CH491695B	Maxy	N/A	Rolloff	0	13.94	10.37		Clean Harbors	CLHA250210	N/A	6/2/2011	CLEAN HARBOURS GRASSY	7/20/2011	24628173
2918	003986159FLE	4/1/2011	Debris	N/A	Haz-PCB Solid	CH491695B	Maxy	N/A	Rolloff	1	16.38	12.94		Clean Harbors	CLHA250113	N/A	6/2/2011	CLEAN HARBOURS GRASSY	7/19/2011	24616418
2919	003986160FLE	4/13/2011	Debris	N/A	Haz-PCB Solid	CH491695B	Maxy	N/A	Rolloff	1	16.18	12.95		Clean Harbors	CLHA250112	N/A	6/2/2011	CLEAN HARBOURS GRASSY	7/20/2011	24621225
2920	003986162FLE	4/13/2011	Debris	N/A	Haz-PCB Solid	CH491695B	Maxy	N/A	Rolloff	1	16.67	13.08	**49.43**	Clean Harbors	CLHA250255	N/A	6/2/2011	CLEAN HARBOURS GRASSY	7/19/2011	24612459
2921	004710960FLE	6/8/2011	Debris	N/A	Haz-PCB Solid	CH491695B	Maxy	N/A	Rolloff	1	14.39	7.08	**7.08**	Clean Harbors	CLHA255016	N/A	6/8/2011	CLEAN HARBOURS GRASSY	7/19/2011	24605211
2922	008252353JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	29.03	15.17		J&D Trucking	16	N/A	6/13/2011	EQ Wayne	6/28/2011	COD MAN #
2923	008252354JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	22.61	19.38		J&D Trucking	12	N/A	6/13/2011	EQ Wayne	6/28/2011	COD MAN #
2924	008252355JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	22.47	19.38		J&D Trucking	21	N/A	6/13/2011	EQ Wayne	6/28/2011	COD MAN #
2925	008252356JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	27.50	48.98		J&D Trucking	8	N/A	6/13/2011	EQ Wayne	6/28/2011	COD MAN #
2926	008252357JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	28.28	40.93		J&D Trucking	16	N/A	6/13/2011	EQ Wayne	6/28/2011	COD MAN #
2927	008252358JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	26.35	21.18		J&D Trucking	12	N/A	6/13/2011	EQ Wayne	6/28/2011	COD MAN #
2928	008252359JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	21.97	21.18		J&D Trucking	8	N/A	6/13/2011	EQ Wayne	6/28/2011	COD MAN #
2929	008252360JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	24.60	23.27		J&D Trucking	21	N/A	6/13/2011	EQ Wayne	6/28/2011	COD MAN #
2930	008252362JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	25.24	22.60		J&D Trucking	12	N/A	6/13/2011	EQ Wayne	6/28/2011	COD MAN #
2931	008252363JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	24.34	22.60		J&D Trucking	8	N/A	6/13/2011	EQ Wayne	6/28/2011	COD MAN #
2932	008252364JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	23.82	24.40		J&D Trucking	21	N/A	6/13/2011	EQ Wayne	6/28/2011	COD MAN #
2933	008252365JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	23.50	24.40	**303.47**	J&D Trucking	16	N/A	6/13/2011	EQ Wayne	6/28/2011	COD MAN #
2934	008252349JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	20.51	36.44		J&D Trucking	21	N/A	6/15/2011	EQ Wayne	6/28/2011	COD MAN #

Load No.	Manifest Id #	Generation Date	Material Type	Material Source	Waste Classification Code	Waste Profile	SES Waste Code	Sample ID	Method of Shipment	Quantity	SES Est. Net Weight (Tons)	Actual Net Weight (Tons)	Actual TOTAL Mat'l Qty (Tons)	Transporter	Container ID	Bill of Lading No	Date Shipped	Disposal Destination	Disposal Date	Certificate of Disposal No.
2935	008252350JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	26.46	15.62		J&D Trucking	21	N/A	6/15/2011	EQ Wayne	6/28/2011	COD MAN #
2936	008252351JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	27.11	15.62		J&D Trucking	21	N/A	6/15/2011	EQ Wayne	6/28/2011	COD MAN #
2937	008252352JJK	5/16/2011	Debris	Various	Haz-PCB Solid	F111001WDI	Maxy	MT-WT-DB-001	Triaxle	1	23.39	30.45	**98.13**	J&D Trucking	21	N/A	6/15/2011	EQ Wayne	6/28/2011	COD MAN #
3142	BOL-1	6/21/2011	C&D	N/A	CONCRETE	N/A	Maxy	N/A	Triaxle	1	19.39	18.96		CES	AH454T-NJ	N/A	7/11/2011	Hegins PA	7/11/2011	531849
3143	BOL-2	6/21/2011	C&D	N/A	CONCRETE	N/A	Maxy	N/A	Triaxle	1	18.60	18.05		CES	AM851N-NJ	N/A	7/11/2011	Hegins PA	7/11/2011	531850
3144	BOL-3	6/21/2011	C&D	N/A	CONCRETE	N/A	Maxy	N/A	Triaxle	1	20.01	19.80		CES	AM838K-NJ	N/A	7/11/2011	Hegins PA	7/11/2011	531851
3145	BOL-4	6/21/2011	C&D	N/A	CONCRETE	N/A	Maxy	N/A	Triaxle	1	22.26	21.01		CES	AL166V-NJ	N/A	7/11/2011	Hegins PA	7/11/2011	531863
3146	BOL-5	6/21/2011	C&D	N/A	CONCRETE	N/A	Maxy	N/A	Triaxle	1	19.62	19.25		CES	AE4052-NJ	N/A	7/11/2011	Hegins PA	7/11/2011	531875
3147	BOL-6	6/21/2011	C&D	N/A	CONCRETE	N/A	Maxy	N/A	Triaxle	1	27.94	27.51		CES	AN931D-NJ	N/A	7/11/2011	Hegins PA	7/11/2011	531910
3148	BOL-7	6/21/2011	C&D	N/A	CONCRETE	N/A	Maxy	N/A	Triaxle	1	2.75	3.58	**128.16**	Keystone	AF51199-PA	N/A	7/12/2011	Dunham PA	7/13/2011	790150
												1075.19								

NET TOTAL **1075.28**

Cornell Dubilier Electronics Superfund Contract No. W912DQ-04-D-0023 TO. 0011
LTTD TRACKING LOG

Pile Generation Date	Pile Number	Daily Tons Processed	Soil Feed Rate (tons/hour)	Contaminated Soil Feed (Start/Stop Time)	Contaminated Soil Feed Operation Hours	Percent On-Line (treatment time per 24 hrs)	Reasons For Shutdown/Comments	Percent Soil Moisture	Exit Temperature (Deg. F)	SES Post LTTD Sample ID	Sample Date	PCB Pre-Treat Analytical (mg/kg)	PCB Post-Treat Analytical (mg/kg)	Prelim Anaytical	Validated Analytical	Capacitors noted by MT in pile?	Meets ROD Criteria?	Tons Passed to Date	Tons Failed to Date
Commenced SES feeding 2" screened material, Maxymillian feeding 1 1/4																			
11/13/2009	2	78.2								CD-PT-02-111309	11/17/2009	425	28	11/19/2009	12/20/2009	--	Failed	0	78.2
11/16/2009	1	203	16.4	1134-0600	12.36	51.50%	Repair broken 3" pvc water line in treatment building	13.5	599.07	CD-PT-01-11609	11/17/2009	364	26	11/19/2009	12/20/2009	--	Failed	0	281.2
11/17/2009	3	337.9	14.1	600-600	24	100.00%		14.6	670.04	CD-PT-03-111709	11/18/2009	220	5.9	11/20/2009	12/20/2009	--	**Passed**	337.9	281.2
11/18/2009	4	254.1	15.0	600-0457	16.95	70.63%	600 amp main breaker not continues duty tripped out	16.3	632.68	CD-PT-04-111809	11/19/2009	412	26	11/20/2009	12/20/2009	--	Failed	337.9	535.3
11/19/2009	5	62	15.8	0700-1056	3.93	16.38%	600 amp main breaker not continues duty tripped out	16.1	612.66	CD-PT-05-111909	11/20/2009	617	5.1	11/23/2009	12/20/2009	--	**Passed**	399.9	535.3
11/20/2009	6	265.3	12.2	0812-0600	21.8	90.83%	Late start due to 600 amp breaker. Changing over some elec. Items to lesson the load	16.7	678.32	CD-PT-06-112009	11/21/2009	214	20.5	11/23/2009	12/20/2009	--	Failed	399.9	800.6
11/21/2009	7	81.7	13.6	0600-1201	6.01	25.04%	End of week shutdown	15.8	681.18	CD-PT-07-112109	11/23/2009	730	1.6	11/24/2009	12/20/2009	--	**Passed**	481.6	800.6
11/23/2009	8	165.2	8.7	2145-1643	18.95	78.96%	Scheduled AM maintenance	16.0	680.72	CD-PT-08-112309	11/24/2009	495	6.6	11/30/2009	12/20/2009	--	**Passed**	646.8	800.6
11/24/2009 & 11/25/2009	9	202.5	11.7	1643-1031	17.36	72.33%	Shut down for the Holiday	16.0	680.32	CD-PT-09-112409	11/25/2009	684	12.1	11/30/2009	1/6/2010	Yes	Failed	646.8	1003.1
11/30/2009	10	29.7	4.0	2226-0600	7.48	31.17%	Scheduled AM maintenance	10.0	641.49	CD-PT-10-113009	12/1/2009	360	11.7	12/2/2009	1/6/2010	--	Failed	646.8	1032.8
Switched lab extraction method from 3570 to 3550																			
12/1/2009	11	296.1	12.3	0330-0600	24	100.00%		10.0	721.66	CD-PT-11-120109	12/2/2009	359	2.1	12/3/2009	1/6/2010	--	**Passed**	942.9	1032.8
12/2/2009	12	289.1	12.0	0600-0600	24	100.00%		10.0	720.78	CD-PT-12-120209	12/3/2009	669	9.9	12/4/2009	1/6/2010	--	**Passed**	1232	1032.8
12/3/2009	13	253.1	12.3	0600-0600	20.55	85.63%	Jacking conv. Belt replacement	13.0	721.83	CD-PT-13-120309	12/4/2009	327.1	4	12/7/2009	1/19/2010	Yes	**Passed**	1485.1	1032.8
Commenced SES and Maxymillian feeding 1" screened materia																			
12/4/2009	14	189.9	10.6	0600-0600	17.95	74.79%	Finish jacking conv repair	13.0	731.14	CD-PT-14-120409	12/5/2009	227	6.9	12/7/2009	1/19/2010	Yes	**Passed**	1675	1032.8
12/5/2009	15	75.3	11.2	0600-1242	6.7	27.92%	End of week shutdown	13.0	733.4	CD-PT-15-120509	12/8/2009	244	1.3	12/9/2009	1/19/2010	--	**Passed**	1750.3	1032.8
Commenced SES feeding 1" material, Maxymillian feeding 3/4" screened materia																			
12/7/2009 & 12/8/2009	16	340.2	11.6	1835-0600	29.39	61.23%	Scheduled AM maintenance. High quench level stopped feed to lower level	13	733	CD-PT-16-120709	12/9/2009	241	6.3	12/10/2009	1/19/2010	Yes	**Passed**	2090.5	1032.8
12/9/2009	17	277.7	11.8	0600-0600	23.48	97.83%	main breaker tripped	12.5	730	CD-PT-17-120909	12/10/2009	203	10.8	12/12/2009	1/19/2010	Yes	Failed	2090.5	1310.5
12/10/2009	18	200.2	10.5	0600-0600	19.05	79.38%	Feed screen was up against the wall removed ramp and pulled screen back and tied to 2 deadmen	12.7	750	CD-PT-18-121009	12/11/2009	278	ND	12/14/2009	1/19/2010	Yes	**Passed**	2290.7	1310.5
12/11/2009	19	301.9	12.6	0600-0600	24	100.00%		12.9	733	CD-PT-19-121109	12/12/2009	444	ND	12/14/2009	1/19/2010	Yes	**Passed**	2592.6	1310.5
12/12/2009	20	298.6	12.4	0600-0600	24	100.00%		13.7	736	CD-PT-20-121209	12/14/2009	584	1.4	12/15/2009	1/19/2010	Yes	**Passed**	2891.2	1310.5
12/13/2009	21	78.4	12.4	0600-1220	6.33	26.38%	End of week shutdown	11.9	726	CD-PT-21-121309	12/14/2009	497	3.4	12/15/2009	1/19/2010	Yes	**Passed**	2969.6	1310.5
12/14/2009	22	54	11.2	1650-0600	4.53	18.88%	Scheduled AM maintenance	14.3	715	CD-PT-22-121409	12/15/2009	456	ND	12/16/2009	1/19/2010	Yes	**Passed**	3023.6	1310.5
12/16/2009	23	92.8	14.6	747-1400	6.21	--	No pile generated 12/15 due to shutdown. Pile 23 @ 15 tons/hr	14.1	738	CD-PT-23-121509	12/16/2009	722	0.74	12/17/2009	1/19/2010	Yes	**Passed**	3116.4	1310.5
12/16/2009	24	200.6	12.2	1400-0600	16.45	94.42%	Pile 24 @ 12 tons/hr	13.9	740	CD-PT-24-121609	12/17/2009	432	1.2	12/19/2009	1/19/2010	Yes	**Passed**	3317	1310.5
12/17/2009	25	315.2	13.2	0600-0600	23.75	98.96%	Frozen H2O lines	15.9	749	CD-PT-25-121709	12/18/2009	467	26	12/21/2009	1/19/2010	Yes	Failed	--	--
Pile 25 re-sampled directly from pile due to possible jar contamination. Four composite samples were taken from different areas of the pile																			
12/17/2009	25	315.2	13.2	0600-0600	23.75	98.96%	Frozen H2O lines	15.9	749	CD-PT-25-121709	1/6/2010	467	8.9, 7.9, 3.6, 8.8	1/8/2010	1/28/2010	Yes	**Passed**	3632.2	1310.5
12/18/2009	26	290.4	13.4	0600-0600	24	100.00%		14.6	740	CD-PT-26-121809	12/19/2009	445	280	12/21/2009	1/19/2010	Yes	Failed	--	--
Pile 26 re-sampled, first sample was taken from the incorrect jar.																			
12/18/2009	26	290.4	13.4	0600-0600	24	100.00%		14.6	740	CD-PT-26-121809	12/21/2009	445	ND	12/22/2009	1/19/2010	Yes	**Passed**	3922.6	1310.5
12/19/2009	27	322.8	13.4	0600-0600	24	100.00%		15.2	751	CD-PT-27-121909	12/21/2009	255	ND	12/22/2009	1/19/2010	Yes	**Passed**	4245.4	1310.5
12/20/2009	28	148.5	13.4	0600-1655	10.91	45.46%	End of week shutdown	15.2	745	CD-PT-28-122009	12/21/2009	428	ND	12/22/2009	1/19/2010	Yes	**Passed**	4393.9	1310.5
12/21/2009 & 12/22/2009	29	389.7	14.2	2250-0600	27.4	57.08%	Scheduled AM maintenance	15.2	749	CD-PT-29-122209	12/23/2009	242	0.63	12/31/2009	1/19/2010	--	**Passed**	4783.6	1310.5
12/23/2009	30	235.4	14.2	0600-2315	17.25	71.88%	Holiday shutdown	15.2	734	CD-PT-30-122309	12/24/2009	51.9	ND	12/31/2009	1/19/2010	--	**Passed**	5019	1310.5

Pile Generation Date	Pile Number	Daily Tons Processed	Soil Feed Rate (tons/hour)	Contaminated Soil Feed (Start/Stop Time)	Contaminated Soil Feed Operation Hours	Percent On-Line (treatment time per 24 hrs)	Reasons For Shutdown/Comments	Percent Soil Moisture	Exit Temperature (Deg. F)	SES Post LTTD Sample ID	Sample Date	PCB Pre-Treat Analytical (mg/kg)	PCB Post-Treat Analytical (mg/kg)	Prelim Anaytical	Validated Analytical	Capacitors noted by MT in pile?	Meets ROD Criteria?	Tons Passed to Date	Tons Failed to Date
1/5/2010	31	269.4	14.4	1152-0600	18.13	75.54%	Scheduled AM maintenance	14.5	730	CD-PT-31-010510	1/6/2010	123	3.3	1/7/2010	1/28/2010	--	**Passed**	5288.4	1310.5
1/6/2010	32	368.1	15.4	0600-0600	24	100.00%		13.8	735	CD-PT-32-010610	1/7/2010	89.9	3.6	1/8/2010	1/28/2010	--	**Passed**	5656.5	1310.5
1/7/2010	33	358.5	14.9	0600-0600	24	100.00%		13	744	CD-PT-33-010710	1/8/2010	36.7	1.59	1/11/2010	1/28/2010	--	**Passed**	6015	1310.5
Commenced SES feeding 1" material, Maxymillian feeding 1" screened materia																			
1/8/2010 - 1/10/2010	34	155.1	14.9	0600(1/8)-0240(1/10)	10.85	15.07%	Baghouse rotary airlock bound up	13	745	CD-PT-34-010810	1/11/2010	78.7	0.72	1/12/2010	1/28/2010	--	**Passed**	6170.1	1310.5
1/11/2010	35	163.7	15.8	1955-0600	10.08	42.00%	Scheduled AM maintenance	13	750.4	CD-PT-35-011110	1/12/2010	87.7	3.5	1/13/2010	1/28/2010	--	**Passed**	6333.8	1310.5
1/12/2010	36	319.4	15.27	0600-0600	21	--		12.6	745.36	CD-PT-36-011210	1/13/2010	48.2	3.5	1/14/2010	1/28/2010	--	**Passed**	6653.2	1310.5
1/12/2010	37	48.8	16.46	1500-1800	3	100.00%	Three hour run at higher soil feed rate	10.8	715.25	CD-PT-37-011210	1/13/2010	29.4	5.8	1/14/2010	1/28/2010	--	**Passed**	6702	1310.5
1/13/2010	38	365.7	15.8	0600-0600	24	100.00%		13	750.4	CD-PT-38-011310	1/14/2010	16.7	0.97	1/15/2010	1/28/2010	--	**Passed**	7067.7	1310.5
Commenced SES feeding 1" material, Maxymillian feeding 3/4" screened materia																			
1/14/2010	39	313.5	13.24	0600-0550	20.17	84.04%	Change bearings on jacking conveyor	13.5	709.56	CD-PT-39-011410	1/15/2010	29.2	ND	1/18/2010	1/28/2010	Yes	**Passed**	7381.2	1310.5
1/15/2010	40	325.5	13.95	0600-0600	22	91.67%	Calciner drive tripped	13	744.46	CD-PT-40-011510	1/16/2010	21.7	ND	1/18/2010	1/28/2010	--	**Passed**	7706.7	1310.5
1/16/2010	41	178.3	12.85	0600-1900	13	54.17%	End of week shutdown	13	740.85	CD-PT-41-011610	1/18/2010	33.2	3.4	1/19/2010	2/10/2010	--	**Passed**	7885	1310.5
1/19/2010	42	333	14.27	0717-0600	22.72	94.67%	Scheduled AM maintenance	13.5	724.61	CD-PT-42-011910	1/20/2010	39.6	3.1	1/21/2010	2/10/2010	--	**Passed**	8218	1310.5
1/20/2010	43	364	15.21	0600-0600	24	100.00%		13.5	749.17	CD-PT-43-012010	1/21/2010	37.9	3.1	1/22/2010	2/10/2010	Yes	**Passed**	8582	1310.5
1/21/2010	44	359.7	15.09	0600-0600	23.58	98.25%	Vaporizer flame for propane failed	13.5	745	CD-PT-44-012110	1/22/2010	42.7	2.4	1/25/2010	2/10/2010	Yes	**Passed**	8941.7	1310.5
1/22/2010	45	303.5	14.1	0600-0600	20.77	86.54%	Change bearings on jacking conveyor	14	734.5	CD-PT-45-012210	1/23/2010	33.25	4.4	1/25/2010	2/10/2010	--	**Passed**	9245.2	1310.5
1/23/2010	46	332.7	13.9	0600-0600	24	100.00%		13.9	755.6	CD-PT-46-012310	1/25/2010	27.92	0.59	1/26/2010	2/23/2010	--	**Passed**	9577.9	1310.5
1/24/2010	47	287.1	12	0600-0600	22.52	93.83%	Change bearings on jacking conveyor	15.5	745.05	CD-PT-47-012410	1/25/2010	19.32	0.76	1/26/2010	2/23/2010	--	**Passed**	9865	1310.5
Commenced SES feeding 1" material, Maxymillian feeding 1" screened materia																			
1/25/2010	48	205.9	10.5	0600-0600	17.58	73.25%	Fix excavator in feed building, bag house maintenance, switch screens	14.5	763.7	CD-PT-48-012510	1/26/2010	21.71	ND	1/27/2010	2/23/2010	--	**Passed**	10070.9	1310.5
1/26/2010	49	231.1	12.6	0600-0600	18.25	--	Switch to pile 50 midday for test run	16	750.5	CD-PT-49-012610	1/27/2010	12.5	1.7	1/28/2010	2/23/2010	--	**Passed**	10302	1310.5
1/26/2010	50	81	14	1450-2035	5.75	100.00%	Test run crushed shale	15.5	739.3	CD-PT-50-012610	1/27/2010	26.4 (MT) 130 (SES)	1.3	1/28/2010	2/23/2010	--	**Passed**	10383	1310.5
1/27/2010	51	327.5	13.6	0600-0600	24	100.00%		15	745.9	CD-PT-51-012710	1/28/2010	44.9	1.1	1/29/2010	2/23/2010	--	**Passed**	10710.5	1310.5
1/28/2010	52	332	13	0600-0600	24	100.00%		14	744	CD-PT-52-012810	1/29/2010	42.1	ND	2/1/2010	2/23/2010	--	**Passed**	11042.5	1310.5
1/29/2010 & 1/30/2010	53	182.1	11	0600-1010	13.17	25.24%	Installing new silo fan and repairing silo bucket elevator	12	717	CD-PT-53-012910	2/1/2010	45.1	ND	2/2/2010	3/1/2010	--	**Passed**	11224.6	1310.5
1/31/2010	54	285.5	14.3	1010-0600	19.83	100.00%	Conveyor was swung @ 1010 due to frozen soil around base of conveyor	13.7	741.7	CD-PT-54-013110	2/1/2010	42.9	1.61	2/2/2010	3/1/2010	--	**Passed**	11510.1	1310.5
2/1/2010	55	258.7	13.9	0600-0600	17.78	74.08%	Repairing face seal to calciner	12	720	CD-PT-55-020110	2/2/2010	56.1	1.32	2/3/2010	3/1/2010	--	**Passed**	11768.8	1310.5
2/2/2010	56	325.1	13.7	0600-0600	23.33	97.21%	Plant shut down to replace shaker belts	12	744	CD-PT-56-020210	2/3/2010	50	ND	2/4/2010	3/1/2010	--	**Passed**	12093.9	1310.5
Commenced SES feeding 1" material, Maxymillian feeding 3/4" screened materia																			
2/3/2010	57	292.1	14.5	0600-0600	20	--		12	731	CD-PT-57-020310	2/4/2010	33.36	ND	2/5/2010	3/1/2010	--	**Passed**	12386	1310.5
2/3/2010	58	63	15.4	1530-1930	4	100.00%	Pile 58 was a test run at lower temperature	12	709	CD-PT-58-020310	2/4/2010	24.55	0.67	2/5/2010	3/1/2010	--	**Passed**	12449	1310.5
Commenced SES feeding 1" material, Maxymillian feeding 1" screened materia																			
2/4/2010	59	354.9	14.8	0600-0600	24	100.00%		13.6	743	CD-PT-59-020410	2/5/2010	21.1	ND	2/8/2010	3/1/2010	--	**Passed**	12803.9	1310.5
2/5/2010	60	132.7	13.6	0600-1540	9.67	40.29%	Replaced auger	13.6	751	CD-PT-60-020510	2/6/2010	39.7	0.56	2/8/2010	3/1/2010	--	**Passed**	12936.6	1310.5
2/6/2010	61	312.2	14.1	0830-0600	21.5	89.58%		13.6	733	CD-PT-61-020610	2/8/2010	0.74	ND	2/9/2010	3/1/2010	--	**Passed**	13248.8	1310.5
2/7/2010	62	330.4	13.8	0600-0600	24	100.00%		13.6	745	CD-PT-62-020710	2/8/2010	41.9	0.66	2/9/2010	3/1/2010	--	**Passed**	13579.2	1310.5
2/8/2010	63	341.1	14.1	0600-0600	24	100.00%		13.6	745	CD-PT-63-020810	2/9/2010	40.4	0.77	2/10/2010	3/1/2010	--	**Passed**	13920.3	1310.5

Pile Generation Date	Pile Number	Daily Tons Processed	Soil Feed Rate (tons/hour)	Contaminated Soil Feed (Start/Stop Time)	Contaminated Soil Feed Operation Hours	Percent On-Line (treatment time per 24 hrs)	Reasons For Shutdown/Comments	Percent Soil Moisture	Exit Temperature (Deg. F)	SES Post LTTD Sample ID	Sample Date	PCB Pre-Treat Analytical (mg/kg)	PCB Post-Treat Analytical (mg/kg)	Prelim Anaytical	Validated Analytical	Capacitors noted by MT in pile?	Meets ROD Criteria?	Tons Passed to Date	Tons Failed to Date
2/9/2010	64	183.7	15.2	0600-0435	13.07	54.46%	Performed maintenance and cleaning of auger	10.8	724	CD-PT-64-020910	2/10/2010	48.1	ND	2/12/2010	3/1/2010	--	**Passed**	14104	1310.5
2/10/2010	65	337.8	16.6	0807-0600	20.25	84.38%	Performed maintenance and cleaning of auger	10.3	672.1	CD-PT-65-021010	2/11/2010	32.27	1.1	2/12/2010	3/1/2010	--	**Passed**	14441.8	1310.5
2/11/2010 & 2/12/2010	66	429	16.4	0600-1153 & 0944-0600	26.15	54.48%		9.5	672	CD-PT-66-021110	2/13/2010	34.8	0.91	2/16/2010	3/1/2010	--	**Passed**	14870.8	1310.5
2/13/2010	67	383.1	15.7	0600-0600	24	100.00%		10.8	681	CD-PT-67-021310	2/15/2010	18.08	0.63	2/16/2010	3/12/2010	--	**Passed**	15253.9	1310.5
2/14/2010	68	375.2	15.6	0600-0600	23.17	96.54%	Power failure and burner failure caused 50 minutes in total shutdown time	9.5	688.8	CD-PT-68-021410	2/15/2010	64.9	3.8	2/16/2010	3/12/2010	--	**Passed**	15629.1	1310.5
2/15/2010	69	366.5	15.95	0600-0600	24	100.00%		10.4	702.2	CD-PT-69-021510	2/16/2010	110.4	3.6	2/17/2010	3/12/2010	--	**Passed**	15995.6	1310.5
2/16/2010	70	368.1	16.69	0600-0426	22.43	93.46%	Pugmill bearing replacement, and replacement of silo paddles	11.5	697.8	CD-PT-70-021610	2/17/2010	35.8	2.9	2/18/2010	3/12/2010	--	**Passed**	16363.7	1310.5
2/17/2010 & 2/18/2010	71	459.3	15.09	2345-0600	30.25	63.02%	Pugmill bearing replacement, and replacement of silo paddles	11.5	689.6	CD-PT-71-021710	2/19/2010	26.31	3.3	2/22/2010	3/12/2010	--	**Passed**	16823	1310.5
2/19/2010	72	350.3	15.23	0600-0505	23.08	96.17%		11.5	715.7	CD-PT-72-021910	2/20/2010	26.1	ND	2/22/2010	3/12/2010	--	**Passed**	17173.3	1310.5
2/20/2010	73	221.8	14.08	0916-0600	15.77	65.71%	Baghouse and Quench @ high temp, lines and valves plugged up	11.5	740.6	CD-PT-73-022010	2/22/2010	29	ND	2/23/2010	4/1/2010	--	**Passed**	17395.1	1310.5
2/21/2010	74	368.2	15.48	0600-0600	23.75	98.96%	Burners reset	11.5	729	CD-PT-74-022110	2/22/2010	86.6	ND	2/23/2010	4/1/2010	--	**Passed**	17763.3	1310.5
2/22/2010	75	341.8	14.25	0600-0600	24	100.00%		11.5	740.6	CD-PT-75-022210	2/23/2010	182.3	ND	2/24/2010	4/1/2010	Yes	**Passed**	18105.1	1310.5
2/23/2010	76	293.3	13.1	0600-0600	22.4	93.33%	High Baghouse Differential Pressure and Burner shutdown due to overheating	11.5	737.9	CD-PT-76-022310	2/24/2010	78.6	1.3	2/25/2010	4/1/2010	--	**Passed**	18398.4	1310.5
2/24/2010 & 2/25/2010	77	296.3	12.4	0600-2330	23.18	48.29%	High Baghouse DP and Burner shutdown Performed maintenance.	11.3	734.4	CD-PT-77-022510	2/27/2010	213	6	3/1/2010	4/1/2010	--	**Passed**	18694.7	1310.5
2/26/2010	78	301.2	12.7	0617-0600	23.72	98.83%		11.3	735.7	CD-PT-78-022610	2/27/2010	454	10.5	3/1/2010	4/1/2010	Yes	Failed	18694.7	1611.7
2/27/2010	79	258	12.3	0600-0522	20.82	86.75%	High Baghouse DP and high Baghouse temperature. Repair Quench lines.	13.8	729.4	CD-PT-79-022710	3/1/2010	349.6	6.3	3/2/2010	4/14/2010	Yes	**Passed**	18952.7	1611.7
2/28/2010	80	303.2	14.4	0803-0600	21.95	91.46%	Repair Quench lines	13.8	722.3	CD-PT-80-022810	3/1/2010	264.2	7.3	3/2/2010	4/14/2010	--	**Passed**	19255.9	1611.7
Commenced SES feeding 1" material, Maxymillian feeding 3/4" screened materi																			
3/1/2010 & 3/2/2010	81	171	13.1	0600-0600	12.42	25.88%	Shutdown to enter bag house and perform maintenance	12.9	743.3	CD-PT-81-030110	3/3/2010	365	1.1	3/4/2010	4/14/2010	--	**Passed**	19426.9	1611.7
3/3/2010	82	338.6	14.1	0600-0600	24	100.00%		12.9	742.1	CD-PT-82-030310	3/4/2010	672	6.2	3/5/2010	4/14/2010	Yes	**Passed**	19765.5	1611.7
3/4/2010	83	283.4	12.2	0600-0600	22.97	95.71%	Shutdown to install air compressor cooling tube for baghouse	12.9	750.4	CD-PT-83-030410	3/5/2010	373	4.1	3/8/2010	4/14/2010	No	**Passed**	20048.9	1611.7
3/5/2010	84	238.5	10.7	0600-0600	21.87	91.13%	Change rear calciner seal	12.9	734.6	CD-PT-84-030510	3/8/2010	619	3.4	3/9/2010	4/16/2010	Yes	**Passed**	20287.4	1611.7
3/6/2010	85	275.9	11.5	0600-0600	24	100.00%		12.9	743.3	CD-PT-85-030610	3/8/2010	1110	5.2	3/9/2010	4/16/2010	No	**Passed**	20563.3	1611.7
3/7/2010	86	274.2	11.5	0600-0600	23.6	98.33%	Reset propane after electrical failure	12.2	745	CD-PT-86-030710	3/8/2010	2793	6.4	3/9/2010	4/16/2010	Yes	**Passed**	20837.5	1611.7
3/8/2010 - 3/10/2010	87	276.2	12.8	0600-0600	21.19	29.43%	Lack of negative pressure on calciner face, performed maintenance activities	11.5	732	CD-PT-87-030810	3/11/2010	1776	5.4	3/12/2010	4/16/2010	Yes	**Passed**	21113.7	1611.7
3/11/2010	88	290.7	12.6	0600-0600	22.07	91.96%	Quench pipe leaking	11.4	732	CD-PT-88-031110	3/12/2010	415	ND	3/15/2010	4/16/2010	No	**Passed**	21404.4	1611.7
3/12/2010	89	303.4	13.4	0600-0600	22.96	95.67%	Changed out discharge pugmill hydraulic motor	11.4	741	CD-PT-89-031210	3/13/2010	998	5.9	3/15/2010	4/16/2010	No	**Passed**	21707.8	1611.7
3/13/2010	90	263.6	13.8	0600-0600	21.65	90.21%	Tripped breakers caused 3 shutdowns	11.4	697	CD-PT-90-031310	3/15/2010	592	14	3/16/2010	5/5/2010	No	Failed	21707.8	1875.3
3/14/2010	91	195.4	13.9	0600-0600	15.48	64.50%	Replace paddles in pugmill	11.5	680	CD-PT-91-031410	3/15/2010	622	6.5	3/16/2010	5/5/2010	No	**Passed**	21903.2	1875.3
3/15/2010 - 3/18/2010	92	246	12.9	0600-2345	21.08	21.96%	Various maintenance activities and electric failure caused shutdowns	11.3	712	CD-PT-92-031510	3/18/2010	795	9.5	3/19/2010	5/17/2010	No	**Passed**	22149.2	1875.3
3/19/2010 - 3/23/2010	93	255.6	14.3	2020-0600	17.67	14.73%	Various maintenance activities and electric failure caused shutdowns	11.4	739.6	CD-PT-93-031910	3/24/2010	600	3.6	3/25/2010	5/17/2010	No	**Passed**	22404.8	1875.3
3/24/2010	94	297.7	12.3	0600-0600	24	100.00%		12.3	747	CD-PT-94-032410	3/25/2010	694	ND	3/26/2010	5/17/2010	No	**Passed**	22702.5	1875.3
Pile 95 was the re-treatment of Pile 78																			
3/25/2010	95	137	13.3	0600-1644	10.28	--	High Baghouse Differential Pressure	11.4	745.5	CD-PT-95-032510	3/25/2010	73.9	ND	3/26/2010	5/17/2010	No	**Passed**	22839.5	1875.3
3/25/2010	96	138.2	11.1	1644-0510	12.43	94.63%	problems with overspray quench	11.4	756	CD-PT-96-032510	3/26/2010	194	4.1	3/30/2010	5/17/2010	No	**Passed**	22977.7	1875.3
3/26/2010	97	255.4	11.7	0806-0600	21.9	91.25%	problems with overspray quench	11.4	748	CD-PT-97-032610	3/27/2010	199.6	2.7	3/29/2010	5/17/2010	No	**Passed**	23233.1	1875.3
3/27/2010	98	244.5	10.6	0600-0600	23.4	97.50%	High Baghouse Differential Pressure	11.4	747	CD-PT-98-032710	3/29/2010	153.5	3.2	3/30/2010	5/28/2010	No	**Passed**	23477.6	1875.3

Pile Generation Date	Pile Number	Daily Tons Processed	Soil Feed Rate (tons/hour)	Contaminated Soil Feed (Start/Stop Time)	Contaminated Soil Feed Operation Hours	Percent On-Line (treatment time per 24 hrs)	Reasons For Shutdown/Comments	Percent Soil Moisture	Exit Temperature (Deg. F)	SES Post LTTD Sample ID	Sample Date	PCB Pre-Treat Analytical (mg/kg)	PCB Post-Treat Analytical (mg/kg)	Prelim Anaytical	Validated Analytical	Capacitors noted by MT in pile?	Meets ROD Criteria?	Tons Passed to Date	Tons Failed to Date
3/28/2010	99	240.5	10	0600-0600	24	100.00%		12.5	749	CD-PT-99-032810	3/29/2010	221.4	5.8	3/30/2010	5/28/2010	No	**Passed**	23718.1	1875.3
3/29/2010	100	220.3	10.3	0600-0600	21.27	88.63%	Lost draft on faceplate in calciner	14.5	746	CD-PT-100-032910	3/30/2010	194.7	3.2	3/31/2010	5/28/2010	No	**Passed**	23938.4	1875.3
3/30/2010	101	157.1	10.8	0600-0700	14.37	57.48%	Working on pugmill feed area	13.8	747	CD-PT-101-033010	3/31/2010	113.8	5.8	4/1/2010	5/28/2010	No	**Passed**	24095.5	1875.3
3/31/2010	102	50.7	15.5	0700-1045	3.47	92.53%	Lost burners. Pile 102 was a 3 hr 45 min test run of POP test material	12.4	720	CD-PT-102-033110	3/31/2010	215	11.1	4/1/2010	5/28/2010	No	Failed	24095.5	1926
3/31/2010	103	200.9	11.1	1045-0600	18.02	93.61%	Changing out EMO unit	14.3	750	CD-PT-103-033110	4/1/2010	152.9	1.7	4/5/2010	5/28/2010	No	**Passed**	24296.4	1926
4/1/2010	104	255.2	10.7	0600-0600	24	100.00%		14.8	749	CD-PT-104-040110	4/2/2010	273.9	10.8	4/5/2010	5/28/2010	No	Failed	24296.4	2181.2
4/2/2010	105	150.8	10.3	0600-0013	15.98	--	Shutdown for maintenance prior to POP test week	14.8	746	CD-PT-105-040210	4/2/2010	212.9	5.6	4/5/2010	5/28/2010	No	**Passed**	24447.2	2181.2
4/2/2010	106	39.6		1125-1439	3.23	80.04%	Pile 106 was a 3 hour 14 minute test run with POP test material			CD-PT-106-040210	4/3/2010	534	11.6	4/5/2010	5/28/2010	No	Failed	24447.2	2220.8
4/6/2010 & 4/7/2010	107	78.7	12.8	0948-2050	6.13	--	POP Week pile	12.8	748	CD-PT-107-040610	4/8/2010	482	1.6	4/9/2010		No	**Passed**	24525.9	2220.8
Piles 108-110 were POP test runs 1-3																			
4/6/2010	108	44		1130-2045	3.33	--	POP Test Run 1. Condenser Temp high			CD-PT-108-040610	4/7/2010		0.76	4/9/2010		No	**Passed**	24569.9	2220.8
4/7/2010	109	43.4		0945-1302	3.28	--	POP Test Run 2			CD-PT-109-040710	4/7/2010		ND	4/9/2010		No	**Passed**	24613.3	2220.8
4/7/2010	110	42		1730-2042	3.2	--	POP Test Run 3			CD-PT-110-040710	4/8/2010		3.5	4/9/2010		No	**Passed**	24655.3	2220.8
4/10/2010	111	108.1	13.1	2217-0600	7.72	32.17%	Resume Normal operations	13.3	757	CD-PT-111-041010	4/12/2010	232.9	4.9	4/13/2010	6/14/2010	No	**Passed**	24763.4	2220.8
4/11/2010	112	299.3	12.6	0600-0600	22.91	95.46%	Condenser frozen, changed out and resumed feed	13.3	744	CD-PT-112-041110	4/12/2010	171.4	4.6	4/13/2010	6/14/2010	No	**Passed**	25062.7	2220.8
4/12/2010	113	301.9	12.7	0600-0600	23.55	98.13%	Airlock need maintenance	13.2	753	CD-PT-113-041210	4/13/2010	303	3.1	4/14/2010	6/14/2010	No	**Passed**	25364.6	2220.8
4/13/2010	114	304.9	12.7	0600-0600	24	100.00%		11.7	749	CD-PT-114-041310	4/14/2010	480	6.7	4/15/2010	6/14/2010	No	**Passed**	25669.5	2220.8
Maxymillian noted sheen in the lead carbon vessel the oil/water seperator may have had solids/silt that plugged an outlet causing the oil to overflow to the carbon vessel. Maxymillian has corrected the issi																			
4/14/2010	115	268.3	11.5	0600-0600	23.22	96.75%	Baghouse Differential Pressure high	13.3	749	CD-PT-115-041410	4/15/2010	564	13.2	4/16/2010	6/14/2010	No	Failed	25669.5	2489.1
4/15/2010	116	262.7	10.9	0600-0600	23.57	98.21%	Baghouse Differential Pressure high	11.7	757	CD-PT-116-041510	4/16/2010	484	11.8	4/19/2010	6/14/2010	No	Failed	25669.5	2751.8
4/16/2010	117	182.8	12.2	0600-0600	15.95	66.46%	Replacing Pugmill Paddles	11.7	762	CD-PT-117-041610	4/17/2010	379	8.4	4/19/2010	6/14/2010	No	**Passed**	25852.3	2751.8
4/17/2010	118	311.9	12.9	0600-0600	24	100.00%		11.7	751	CD-PT-118-041710	4/19/2010	499	4.9	4/20/2010	6/2/2010	No	**Passed**	26164.2	2751.8
4/18/2010	119	177.6	13.1	0600-1940	13.67	56.96%	Changing out baghouse filter bags	11.7	748	CD-PT-119-041810	4/19/2010	359	5.2	4/20/2010	6/2/2010	Yes	**Passed**	26341.8	2751.8
4/21/2010	120	176.1	11.1	1421-0600	15.65	21.74%	Changing out baghouse filters, cleaned out water treatment system.	11.9	757	CD-PT-120-042110	4/22/2010	648	1.2	4/26/2010	6/2/2010	No	**Passed**	26517.9	2751.8
4/22/2010	121	274.1	11.4	0600-0600	24	100.00%		12.2	766	CD-PT-121-042210	4/23/2010	368	3.2	4/27/2010	6/2/2010	No	**Passed**	26792	2751.8
4/23/2010	122	276.3	11.5	0600-0600	24	100.00%		11.3	766	CD-PT-122-042310	4/24/2010	408	3.3	4/27/2010	6/2/2010	No	**Passed**	27068.3	2751.8
4/24/2010	123	274.5	11.4	0600-0600	24	100.00%		11.3	763	CD-PT-123-042410	4/26/2010	546	1.4	4/27/2010	6/4/2010	No	**Passed**	27342.8	2751.8
4/25/2010	124	275.5	11.5	0600-0600	24	100.00%		11.3	761	CD-PT-124-042510	4/26/2010	367	ND	4/27/2010	6/4/2010	No	**Passed**	27618.3	2751.8
4/26/2010	125	281.4	11.7	0600-0600	24	100.00%		11.8	764	CD-PT-125-042610	4/27/2010	261	3	4/29/2010	6/4/2010	No	**Passed**	27899.7	2751.8
4/27/2010	126	278.5	11.6	0600-0600	24	100.00%		11.5	754	CD-PT-126-042710	4/28/2010	300	1.12	4/30/2010	6/4/2010	No	**Passed**	28178.2	2751.8
4/28/2010	127	225.5	11.5	0600-0600	19.45	81.04%	Maintenance to pugmill and discharge auger	11.8	766	CD-PT-127-042810	4/29/2010	186.4	2.4	4/30/2010	6/4/2010	No	**Passed**	28403.7	2751.8
4/29/2010	128	276.8	11.5	0600-0600	24	100.00%		11.8	759	CD-PT-128-042910	4/30/2010	690	5.3	5/5/2010	6/4/2010	No	**Passed**	28680.5	2751.8
4/30/2010	129	275.6	11.5	0600-0600	24	100.00%		11.5	757	CD-PT-129-043010	5/1/2010	402	4.8	5/5/2010	6/4/2010	No	**Passed**	28956.1	2751.8
5/1/2010	130	277.3	11.5	0600-0600	24	100.00%		11.5	759	CD-PT-130-050110	5/3/2010	367	1.8	5/5/2010	6/8/2010	No	**Passed**	29233.4	2751.8
5/2/2010	131	270.1	11.2	0600-0600	24	100.00%		12.3	702	CD-PT-131-050210	5/3/2010	480	1.65	5/5/2010	6/8/2010	No	**Passed**	29503.5	2751.8
5/3/2010	132	196.5	11.1	0600-0600	17.7	73.75%	Replaced drive motor in pugmill	12.3	724	CD-PT-132-050310	5/4/2010	256	2.3	5/6/2010	6/8/2010	No	**Passed**	29700	2751.8
5/4/2010	133	274.3	11.5	0600-0600	24	100.00%		11.8	719	CD-PT-133-050410	5/5/2010	267	3.7	5/7/2010	6/8/2010	No	**Passed**	29974.3	2751.8

Pile Generation Date	Pile Number	Daily Tons Processed	Soil Feed Rate (tons/hour)	Contaminated Soil Feed (Start/Stop Time)	Contaminated Soil Feed Operation Hours	Percent On-Line (treatment time per 24 hrs)	Reasons For Shutdown/Comments	Percent Soil Moisture	Exit Temperature (Deg. F)	SES Post LTTD Sample ID	Sample Date	PCB Pre-Treat Analytical (mg/kg)	PCB Post-Treat Analytical (mg/kg)	Prelim Anaytical	Validated Analytical	Capacitors noted by MT in pile?	Meets ROD Criteria?	Tons Passed to Date	Tons Failed to Date
5/5/2010	134	277.1	11.6	0600-0600	24	100.00%		11.8	713	CD-PT-134-050510	5/6/2010	224.2	3.7	5/10/2010	6/8/2010	No	**Passed**	30251.4	2751.8
5/6/2010	135	276.2	11.6	0600-0600	24	100.00%		11.5	728	CD-PT-135-050610	5/7/2010	366	2.8	5/10/2010	6/8/2010	No	**Passed**	30527.6	2751.8
5/7/2010	136	273.5	11.4	0600-0600	24	100.00%		11.2	723	CD-PT-136-050710	5/8/2010	273.7	4.2	5/10/2010	6/8/2010	No	**Passed**	30801.1	2751.8
5/8/2010	137	270.5	11.4	0600-0600	23.63	98.46%	Main Breaker Tripped	12.1	764	CD-PT-137-050810	5/10/2010	231.2	2.6	5/11/2010	6/15/2010	No	**Passed**	31071.6	2751.8
5/9/2010	138	204.7	11.5	0600-0600	17.83	74.29%	Replacing Pugmill Paddles	12.8	757	CD-PT-138-050910	5/10/2010	199.2	2.9	5/11/2010	6/15/2010	No	**Passed**	31276.3	2751.8
5/10/2010	139	277.2	11.9	0600-0600	23.2	96.67%	Replaced discharge conveyor motor	11.8	754	CD-PT-139-051010	5/11/2010	144.3	5.6	5/13/2010	6/15/2010	No	**Passed**	31553.5	2751.8
5/11/2010	140	287.8	11.9	0600-0600	24	100.00%		11.4	748	CD-PT-140-051110	5/12/2010	220.7	5.3	5/13/2010	6/15/2010	No	**Passed**	31841.3	2751.8
5/12/2010	141	283.9	12	0600-0600	24	100.00%		12.7	757	CD-PT-141-051210	5/13/2010	272	4	5/17/2010	6/15/2010	Yes	**Passed**	32125.2	2751.8
5/13/2010	142	176.2	12	0600-0600	14.85	61.88%	Repairing a leak in the quench and replacing Pugmill Paddles	11.5	749	CD-PT-142-051310	5/17/2010	347	5.1	5/18/2010	6/21/2010	Yes	**Passed**	32301.4	2751.8
5/14/2010 - 5/16/2010	143	74.9	11.8	0600-0600	6.25	8.68%	Refractory blocks failed, causing outside of furnace to overheat	11.8	755	CD-PT-143-051410	5/17/2010	285	2.09	5/18/2010	6/21/2010	Yes	**Passed**	32376.3	2751.8
5/17/2010	144	287	11.9	0600-0600	24	100.00%		11.5	757	CD-PT-144-051710	5/18/2010	247.9	2.8	5/19/2010	6/21/2010	No	**Passed**	32663.3	2751.8
5/18/2010	145	289.5	12	0600-0600	24	100.00%		10.9	757	CD-PT-145-051810	5/19/2010	209.5	1.09	5/20/2010	6/21/2010	No	**Passed**	32952.8	2751.8
5/19/2010	146	290.2	12.1	0600-0600	24	100.00%		10.9	755	CD-PT-146-051910	5/20/2010	183.8	2.7	5/21/2010	6/21/2010	Yes	**Passed**	33243	2751.8
5/20/2010	147	290.4	12	0600-0600	24	100.00%		10.9	757	CD-PT-147-052010	5/21/2010	303	2.1	5/24/2010	6/21/2010	Yes	**Passed**	33533.4	2751.8
5/21/2010	148	289.2	12	0600-0600	24	100.00%		11.5	759	CD-PT-148-052110	5/22/2010	305	3.1	5/24/2010	6/21/2010	No	**Passed**	33822.6	2751.8
5/22/2010	149	289	12	0600-0600	24	100.00%		12.0	759	CD-PT-149-052210	5/24/2010	156.6	2.9	5/25/2010	6/22/2010	No	**Passed**	34111.6	2751.8
5/23/2010	150	291.9	12.1	0600-0600	24	100.00%		12.0	753	CD-PT-150-052310	5/24/2010	137	3.2	5/25/2010	6/22/2010	Yes	**Passed**	34403.5	2751.8
5/24/2010	151	295.7	12.3	0600-0600	24	100.00%		12.8	758	CD-PT-151-052410	5/25/2010	80.5	2.3	5/26/2010	6/22/2010	Yes	**Passed**	34699.2	2751.8
5/25/2010	152	280.5	12.3	0600-0600	24	100.00%		12.7	762	CD-PT-152-052510	5/26/2010	91.3	1.77	5/28/2010	6/22/2010	No	**Passed**	34979.7	2751.8
5/26/2010	153	298.4	12.4	0600-0600	24	100.00%		11.9	757	CD-PT-153-052610	5/27/2010	122.7	3.2	5/28/2010	6/22/2010	No	**Passed**	35278.1	2751.8
5/27/2010	154	292.7	12.4	0600-0600	23.33	97.21%	Lost combustion blower	11.9	757	CD-PT-154-052710	5/28/2010	176.3	5.6	6/2/2010	6/22/2010	No	**Passed**	35570.8	2751.8
5/28/2010	155	292.7	12.2	0600-0600	24	100.00%		12.1	754	CD-PT-155-052810	5/29/2010	161.6	3.1	6/2/2010	6/22/2010	No	**Passed**	35863.5	2751.8
5/29/2010	156	287.9	12	0600-0600	24	100.00%		12	762	CD-PT-156-052910	6/1/2010	90	ND	6/2/2010	6/24/2010	No	**Passed**	36151.4	2751.8
5/30/2010	157	287.1	12	0600-0600	24	100.00%		11.9	755	CD-PT-157-053010	6/1/2010	162.8	ND	6/2/2010	6/24/2010	No	**Passed**	36438.5	2751.8
5/31/2010	158	239.2	11.6	0600-0600	20.25	84.38%	Power failure, switched to generator power	11.9	758	CD-PT-158-053110	6/1/2010	107.6	ND	6/2/2010	6/24/2010	No	**Passed**	36677.7	2751.8
6/1/2010	159	130.4	11.6	0600-0600	11.03	45.96%	Power loss	11.9	762	CD-PT-159-060110	6/2/2010	147.8	3.4	6/3/2010	6/24/2010	No	**Passed**	36808.1	2751.8
6/2/2010	160	184	11.8	0600-0600	16.57	69.04%	Power loss	12.6	766	CD-PT-160-060210	6/3/2010	123.6	1.66	6/4/2010	6/24/2010	No	**Passed**	36992.1	2751.8
6/3/2010	161	284.8	11.8	0600-0600	24	100.00%		12.1	754	CD-PT-161-060310	6/4/2010	93.7	1.5	6/7/2010	6/24/2010	No	**Passed**	37276.9	2751.8
6/4/2010	162	282.3	11.9	0600-0600	23.48	97.83%	Maintenance on the discharge auger	12.1	757	CD-PT-162-060410	6/5/2010	120.1	2.2	6/7/2010	6/24/2010	No	**Passed**	37559.2	2751.8
6/5/2010	163	289.5	12	0600-0600	24	100.00%		12.2	760	CD-PT-163-060510	6/7/2010	129.1	1.35	6/8/2010	7/16/2010	No	**Passed**	37848.7	2751.8
6/6/2010	164	289.1	12	0600-0600	24	100.00%		12.1	762	CD-PT-164-060610	6/7/2010	151.6	1.96	6/8/2010	7/16/2010	No	**Passed**	38137.8	2751.8
6/7/2010	165	296.9	12.3	0600-0600	24	100.00%		12.1	757	CD-PT-165-060710	6/8/2010	25.9	1.89	6/9/2010	7/16/2010	No	**Passed**	38434.7	2751.8
6/8/2010	166	299.9	12.5	0600-0600	24	100.00%		12.4	757	CD-PT-166-060810	6/9/2010	114.5	ND	6/10/2010	7/16/2010	No	**Passed**	38734.6	2751.8
6/9/2010	167	296.4	12.4	0600-0600	24	100.00%		11.9	758	CD-PT-167-060910	6/10/2010	47.2	1.3	6/11/2010	7/16/2010	Yes	**Passed**	39031	2751.8
6/10/2010 - 6/12/2010	168	367.2	12.3	0600-0600	29.62	41.14%	Pugmill shaft broke, replacement onsite. Repaired calciner face seal.	11.9	756	CD-PT-168-061010	6/14/2010	126.9	2.1	6/15/2010	7/22/2010	No	**Passed**	39398.2	2751.8
6/13/2010	169	300.2	12.5	0600-0600	24	100.00%		12.4	757	CD-PT-169-061310	6/14/2010	88.5	1.6	6/15/2010	7/22/2010	No	**Passed**	39698.4	2751.8

Pile Generation Date	Pile Number	Daily Tons Processed	Soil Feed Rate (tons/hour)	Contaminated Soil Feed (Start/Stop Time)	Contaminated Soil Feed Operation Hours	Percent On-Line (treatment time per 24 hrs)	Reasons For Shutdown/Comments	Percent Soil Moisture	Exit Temperature (Deg. F)	SES Post LTTD Sample ID	Sample Date	PCB Pre-Treat Analytical (mg/kg)	PCB Post-Treat Analytical (mg/kg)	Prelim Anaytical	Validated Analytical	Capacitors noted by MT in pile?	Meets ROD Criteria?	Tons Passed to Date	Tons Failed to Date
6/14/2010	170	310.4	13	0600-0600	24	100.00%		12.4	758	CD-PT-170-061410	6/15/2010	61.9	2.5	6/16/2010	7/22/2010	No	**Passed**	40008.8	2751.8
6/15/2010	171	311.9	13	0600-0600	24	100.00%		11.4	759	CD-PT-171-061510	6/16/2010	132.2	1.52	6/17/2010	7/22/2010	No	**Passed**	40320.7	2751.8
6/16/2010	172	307.2	13	0600-0600	23.77	99.04%	Propane valve tripped	11.9	758	CD-PT-172-061610	6/17/2010	125.5	ND	6/18/2010	7/22/2010	Yes	**Passed**	40627.9	2751.8
6/17/2010	173	302.5	13	0600-0515	23.25	96.88%	Maintenance on PM equipment	11.9	759	CD-PT-173-061710	6/18/2010	23.21	ND	6/21/2010	7/22/2010	Yes	**Passed**	40930.4	2751.8
6/18/2010	174	191.6	13.1	1525-0600	14.58	60.75%	Continued maintenance and housekeeping	11.9	756	CD-PT-174-061810	6/19/2010	30.4	ND	6/21/2010	7/22/2010	No	**Passed**	41122	2751.8
6/19/2010	175	313.6	13	0600-0600	24	100.00%		11.6	763	CD-PT-175-061910	6/21/2010	27.3	ND	6/22/2010	7/28/2010	Yes	**Passed**	41435.6	2751.8
6/20/2010	176	312.5	13	0600-0600	24	100.00%		11.9	761	CD-PT-176-062010	6/21/2010	41.9	ND	6/22/2010	7/28/2010	Yes	**Passed**	41748.1	2751.8
6/21/2010	177	313.2	13	0600-0600	24	100.00%		11.6	759	CD-PT-177-062110	6/22/2010	36.8	ND	6/23/2010	7/28/2010	No	**Passed**	42061.3	2751.8
6/22/2010	178	288.7	13.1	0600-0600	22.9	95.42%	Power failures	11.6	758	CD-PT-178-062210	6/23/2010	76.8	ND	6/24/2010	7/28/2010	No	**Passed**	42350	2751.8
6/23/2010	179	317.3	13.2	0600-0600	24	100.00%		11.3	745	CD-PT-179-062310	6/24/2010	60	ND	6/25/2010	7/28/2010	No	**Passed**	42667.3	2751.8
6/24/2010	180	322.6	13.4	0600-0600	24	100.00%		11.6	745	CD-PT-180-062410	6/25/2010	61.1	ND	6/28/2010	7/28/2010	Yes	**Passed**	42989.9	2751.8
6/25/2010	181	319.2	13.3	0600-0600	23.78	99.08%	Install a shim in calciner	11.6	761	CD-PT-181-062510	6/26/2010	64.4	ND	6/28/2010	7/28/2010	No	**Passed**	43309.1	2751.8
6/26/2010	182	321.9	13.4	0600-0600	24	100.00%		11.9	760	CD-PT-182-062610	6/28/2010	54	ND	6/29/2010	7/28/2010	No	**Passed**	43631	2751.8
6/27/2010	183	318.7	13.2	0600-0600	24	100.00%		11.9	762	CD-PT-183-062710	6/28/2010	46.9	ND	6/29/2010	7/28/2010	No	**Passed**	43949.7	2751.8
6/28/2010	184	316	13.1	0600-0600	24	100.00%		11.6	759	CD-PT-184-062810	6/29/2010	51.4	1.28	6/30/2010	7/28/2010	Yes	**Passed**	44265.7	2751.8
6/29/2010	185	319.1	13.3	0600-0600	24	100.00%		11.9	760	CD-PT-185-062910	6/30/2010	87.1	2.5	7/1/2010	7/28/2010	No	**Passed**	44584.8	2751.8
6/30/2010	186	318.8	13.2	0600-0600	24	100.00%		10.6	760	CD-PT-186-063010	7/1/2010	110.8	2.8	7/2/2010	7/28/2010	No	**Passed**	44903.6	2751.8
7/1/2010	187	318.8	13.2	0600-0600	24	100.00%		11.6	752	CD-PT-187-070110	7/2/2010	103.6	2.4	7/6/2010	7/28/2010	No	**Passed**	45222.4	2751.8
7/2/2010	188	322.5	13.5	0600-0600	24	100.00%		11.4	760	CD-PT-188-070210	7/3/2010	124.9	2.2	7/6/2010	7/28/2010	Yes	**Passed**	45544.9	2751.8
7/3/2010	189	239.2	12.8	0600-0038	18.63	77.63%	Shutdown for July 4th holiday	11.6	751	CD-PT-189-070310	7/6/2010	137	2.9	7/7/2010	8/2/2010	Yes	**Passed**	45784.1	2751.8
7/7/2010	190	158.2	11.7	1537-0600	13.3	55.42%		12.2	756	CD-PT-190-070710	7/8/2010	230	0.7	7/8/2010	8/2/2010	Yes	**Passed**	45942.3	2751.8
7/8/2010	191	190	11.3	0600-2238	16.63	69.29%	Problems with breaker causing condenser temperature to rise. Chiller breaker keeps tripping	12.2	750	CD-PT-191-070810	7/9/2010	160.7	1.66	7/12/2010	8/2/2010	No	**Passed**	46132.3	2751.8
7/9/2010	192	174.7	11.5	1450-0600	15.17	63.21%		12.2	734	CD-PT-192-070910	7/10/2010	130.8	1.79	7/12/2010	8/2/2010	No	**Passed**	46307	2751.8
7/10/2010	193	273.2	11.4	0600-0600	24	100.00%		12.4	737	CD-PT-193-071010	7/12/2010	119.8	1.2	7/13/2010	8/4/2010	No	**Passed**	46580.2	2751.8
7/11/2010	194	263.5	11	0600-0600	24	100.00%		12.6	751	CD-PT-194-071110	7/12/2010	172	2.11	7/13/2010	8/4/2010	No	**Passed**	46843.7	2751.8
7/12/2010	195	264.8	11.4	0600-0513	23.22	96.75%	Ran out of propane	12.2	744	CD-PT-195-071210	7/13/2010	108.3	0.58	7/14/2010	8/4/2010	No	**Passed**	47108.5	2751.8
7/13/2010	196	268.5	11.7	0700-0600	23	95.83%		12.2	750	CD-PT-196-071310	7/14/2010	1171.4	1.8	7/15/2010	8/4/2010	No	**Passed**	47377	2751.8
7/14/2010	197	268.9	11.2	0600-0600	24	100.00%		11.6	749	CD-PT-197-071410	7/15/2010	277.9	0.57	7/16/2010	8/4/2010	No	**Passed**	47645.9	2751.8
7/15/2010	198	293.3	12.2	0600-0600	24	100.00%		11.3	750	CD-PT-198-071510	7/16/2010	132.9	1.36	7/19/2010	8/4/2010	No	**Passed**	47939.2	2751.8
7/16/2010	199	305.2	12.7	0600-0600	24	100.00%		11.8	748	CD-PT-199-071610	7/17/2010	167.4	1.64	7/19/2010	8/4/2010	No	**Passed**	48244.4	2751.8
7/17/2010	200	257.7	12.4	0600-0600	20.67	86.13%	Shutdown due to hydraulic hose failure	11.6	756	CD-PT-200-071710	7/19/2010	179.8	ND	7/20/2010	8/11/2010	No	**Passed**	48502.1	2751.8
7/18/2010	201	237.5	12.2	0600-0127	19.45	81.04%	Repairing pugmill auger	11.6	749	CD-PT-201-071810	7/19/2010	141.7	ND	7/20/2010	8/11/2010	No	**Passed**	48739.6	2751.8
7/19/2010	202	136.7	11.8	0650-0600	12.45	51.88%	Gerhart on-site to perform scale calibration, continued repairs on auger	11.7	759	CD-PT-202-071910	7/20/2010	477	1.18	7/21/2010	8/11/2010	No	**Passed**	48876.3	2751.8
7/20/2010	203	268.7	11.2	0600-0600	24	100.00%		10.6	752	CD-PT-203-072010	7/21/2010	303	1.44	7/22/2010	8/11/2010	No	**Passed**	49145	2751.8
7/21/2010	204	260.4	10.8	0600-0600	24	100.00%		11.3	755	CD-PT-204-072110	7/22/2010	283.6	2.09	7/23/2010	8/11/2010	Yes	**Passed**	49405.4	2751.8
7/22/2010	205	251.7	10.7	0600-0528	23.47	97.79%	Shutdown due to burner blowout and	11.6	752	CD-PT-205-072210	7/23/2010	260.3	3.3	7/26/2010	8/11/2010	No	**Passed**	49657.1	2751.8

Pile Generation Date	Pile Number	Daily Tons Processed	Soil Feed Rate (tons/hour)	Contaminated Soil Feed (Start/Stop Time)	Contaminated Soil Feed Operation Hours	Percent On-Line (treatment time per 24 hrs)	Reasons For Shutdown/Comments	Percent Soil Moisture	Exit Temperature (Deg. F)	SES Post LTTD Sample ID	Sample Date	PCB Pre-Treat Analytical (mg/kg)	PCB Post-Treat Analytical (mg/kg)	Prelim Anaytical	Validated Analytical	Capacitors noted by MT in pile?	Meets ROD Criteria?	Tons Passed to Date	Tons Failed to Date
7/23/2010 & 7/24/2010	206	369.0	11.3	2112-0600	32.8	68.33%	broken shaft on discharge pugmill	10.1	757	CD-PT-206-072310	7/26/2010	361	2.0	7/27/2010	8/16/2010	No	**Passed**	50026.1	2751.8
7/25/2010	207	265.0	11	0600-0600	24	100.00%		11.6	750	CD-PT-207-072510	7/26/2010	240.6	1.27	7/27/2010	8/16/2010	No	**Passed**	50291.1	2751.8
7/26/2010	208	262.4	10.9	0600-0600	24	100.00%		11.5	755	CD-PT-208-072610	7/27/2010	320	1.12	7/28/2010	8/16/2010	Yes	**Passed**	50553.5	2751.8
7/27/2010	209	147	12.3	0600-0245	13.72	57.17%	Performed maintenance. Replaced induced draft fan.	11.6	762	CD-PT-209-072710	7/28/2010	486	3.1	7/29/2010	8/16/2010	No	**Passed**	50700.5	2751.8
7/28/2010	210	278.5	12.6	0748-0600	22.2	92.50%		12.0	758	CD-PT-210-072810	7/29/2010	269.6	2.5	7/30/2010	8/16/2010	Yes	**Passed**	50979	2751.8
7/29/2010	211	309.4	12.8	0600-0600	24	100.00%		11.0	758	CD-PT-211-072910	7/30/2010	394	1.94	8/2/2010	8/16/2010	No	**Passed**	51288.4	2751.8
7/30/2010	212	318.4	13.2	0600-0600	24	100.00%		11.6	759	CD-PT-212-073010	7/31/2010	130.1	ND	8/2/2010	8/16/2010	No	**Passed**	51606.8	2751.8
7/31/2010	213	321.5	13.3	0600-0600	23.85	99.38%	Main breaker tripped	10.6	762	CD-PT-213-073110	8/2/2010	90.7	ND	8/3/2010	9/2/2010	No	**Passed**	51928.3	2751.8
8/1/2010	214	325.9	13.56	0600-0600	24	100.00%		10.6	758	CD-PT-214-080110	8/2/2010	115.5	ND	8/3/2010	9/2/2010	Yes	**Passed**	52254.2	2751.8
8/2/2010	215	323.6	13.4	0600-0600	24	100.00%		10.0	755	CD-PT-215-080210	8/3/2010	69.3	ND	8/4/2010	9/2/2010	No	**Passed**	52577.8	2751.8
8/3/2010	216	103.3	13.4	0600-1237	6.32	26.33%	Propane lines froze, change fan motor	9.3	751	CD-PT-216-080310	8/4/2010	132	ND	8/5/2010	9/2/2010	No	**Passed**	52681.1	2751.8
8/4/2010 & 8/5/2010	217	456.2	14.1	2140-0600	26.33	54.85%		10.0	752	CD-PT-217-080410	8/6/2010	128	1.33	8/9/2010	9/2/2010	No	**Passed**	53137.3	2751.8
8/6/2010	218	340.3	14.1	0600-0600	24	100.00%		10.0	761	CD-PT-218-080610	8/7/2010	160.6	ND	8/9/2010	9/2/2010	No	**Passed**	53477.6	2751.8
8/7/2010	219	341.3	14.2	0600-0600	24	100.00%		10.1	759	CD-PT-219-080710	8/9/2010	92.5	ND	8/10/2010	9/3/2010	No	**Passed**	53818.9	2751.8
8/8/2010	220	337.3	14.1	0600-0600	23.87	99.46%	Pugmill breaker tripped, suspended feed for 8 minutes	10.3	764	CD-PT-220-080810	8/9/2010	120.5	ND	8/10/2010	9/3/2010	No	**Passed**	54156.2	2751.8
8/9/2010	221	338.0	14.1	0600-0600	24	100.00%		10.0	755	CD-PT-221-080910	8/10/2010	98.8	ND	8/11/2010	9/3/2010	No	**Passed**	54494.2	2751.8
8/10/2010	222	338.4	14.1	0600-0600	24	100.00%		10.3	755	CD-PT-222-081010	8/11/2010	89.1	ND	8/12/2010	9/3/2010	No	**Passed**	54832.6	2751.8
8/11/2010	223	341.1	14.2	0600-0600	24	100.00%		10.3	751	CD-PT-223-081110	8/12/2010	121.3	ND	8/13/2010	9/3/2010	No	**Passed**	55173.7	2751.8
8/12/2010	224	306.6	14.3	0600-0324	21.4	89.17%	Discharge Pugmill jammed, replaced and restarted feed	9.8	758	CD-PT-224-081210	8/13/2010	59.7	ND	8/16/2010	9/3/2010	No	**Passed**	55480.3	2751.8
8/13/2010	225	242.8	14.5	1305-0600	16.92	70.50%		10.0	755	CD-PT-225-081310	8/14/2010	46.4	ND	8/16/2010	9/3/2010	No	**Passed**	55723.1	2751.8
8/14/2010	226	343.1	14.3	0600-0600	24	100.00%		10.3	753	CD-PT-226-081410	8/16/2010	168.5	ND	8/17/2010	9/16/2010	No	**Passed**	56066.2	2751.8
8/15/2010	227	342.3	14.2	0600-0600	24	100.00%		10.0	750	CD-PT-227-081510	8/16/2010	74.4	ND	8/17/2010	9/16/2010	No	**Passed**	56408.5	2751.8
8/16/2010	228	338.8	14.2	0600-0600	24	100.00%		10.0	753	CD-PT-228-081610	8/17/2010	76.8	ND	8/18/2010	9/16/2010	No	**Passed**	56747.3	2751.8
8/17/2010	229	341.7	14.2	0600-0600	24	100.00%		11.6	749	CD-PT-229-081710	8/18/2010	153.4	ND	8/19/2010	9/16/2010	No	**Passed**	57089	2751.8
8/18/2010	230	339.9	14.2	0600-0600	24	100.00%		11.0	750	CD-PT-230-081810	8/19/2010	94.6	ND	8/20/2010	9/16/2010	No	**Passed**	57428.9	2751.8
8/19/2010	231	339	14.3	0600-0600	24	100.00%		11.1	753	CD-PT-231-081910	8/20/2010	67.1	ND	8/23/2010	9/16/2010	No	**Passed**	57767.9	2751.8
8/20/2010	232	333.6	13.9	0600-0600	24	100.00%		11.5	756	CD-PT-232-082010	8/21/2010	137.6	1.91	8/23/2010	9/16/2010	No	**Passed**	58101.5	2751.8
8/21/2010	233	341.2	14.2	0600-0600	24	100.00%		11.6	753	CD-PT-233-082110	8/23/2010	79.9	1.83	8/24/2010	9/23/2010	No	**Passed**	58442.7	2751.8
8/22/2010	234	343.6	14.3	0600-0600	24	100.00%		11.1	754	CD-PT-234-082210	8/23/2010	130.3	ND	8/24/2010	9/23/2010	No	**Passed**	58786.3	2751.8
8/23/2010	235	234.3	14.2	0600-0600	16.48	68.67%	Replacing pugmill paddles and broken pugmill shaft	11.6	753	CD-PT-235-082310	8/24/2010	113.4	ND	8/25/2010	9/23/2010	No	**Passed**	59020.6	2751.8
8/24/2010	236	341.5	14.2	0600-0600	24	100.00%		11.1	752	CD-PT-236-082410	8/25/2010	98.1	ND	8/26/2010	9/23/2010	No	**Passed**	59362.1	2751.8
8/25/2010	237	343.7	14.3	0600-0600	24	100.00%		11.0	748	CD-PT-237-082510	8/26/2010	64.2	ND	8/27/2010	9/23/2010	No	**Passed**	59705.8	2751.8
8/26/2010	238	322.3	13.5	0600-0600	22.48	93.67%	Chain on extec broke	11.0	749	CD-PT-238-082610	8/27/2010	135.3	ND	8/30/2010	9/23/2010	No	**Passed**	60028.1	2751.8
8/27/2010	239	293	13.7	0600-0600	20.42	85.08%	Changed out carbon and changed hydraulic oil in extec	11.0	760	CD-PT-239-082710	8/28/2010	73.9	ND	8/30/2010	9/23/2010	No	**Passed**	60321.1	2751.8
8/28/2010	240	325.6	13.6	0600-0600	24	100.00%		11.1	758	CD-PT-240-082810	8/30/2010	57.3	ND	8/31/2010	9/30/2010	No	**Passed**	60646.7	2751.8
8/29/2010	241	321.5	13.4	0600-0600	24	100.00%		11.6	751	CD-PT-241-082910	8/30/2010	53.4	ND	8/31/2010	9/30/2010	No	**Passed**	60968.2	2751.8

Pile Generation Date	Pile Number	Daily Tons Processed	Soil Feed Rate (tons/hour)	Contaminated Soil Feed (Start/Stop Time)	Contaminated Soil Feed Operation Hours	Percent On-Line (treatment time per 24 hrs)	Reasons For Shutdown/Comments	Percent Soil Moisture	Exit Temperature (Deg. F)	SES Post LTTD Sample ID	Sample Date	PCB Pre-Treat Analytical (mg/kg)	PCB Post-Treat Analytical (mg/kg)	Prelim Anaytical	Validated Analytical	Capacitors noted by MT in pile?	Meets ROD Criteria?	Tons Passed to Date	Tons Failed to Date
8/30/2010	242	317.5	13.2	0600-0600	24	100.00%		10.5	750	CD-PT-242-083010	8/31/2010	34.1	ND	9/1/2010	9/30/2010	No	**Passed**	61285.7	2751.8
8/31/2010	243	252.2	12.9	0600-0600	19.47	81.13%	Tune burners and calibrate weight scale	12.6	759	CD-PT-243-083110	9/1/2010	42.4	ND	9/2/2010	9/30/2010	No	**Passed**	61537.9	2751.8
9/1/2010	244	288	12.1	0600-0600	24	100.00%		12	750	CD-PT-244-090110	9/2/2010	93.9	ND	9/3/2010	9/30/2010	No	**Passed**	61825.9	2751.8
9/2/2010	245	293.4	12.2	0600-0555	23.92	99.67%		12	752	CD-PT-245-090210	9/6/2010	100.2	1.17	9/7/2010	10/5/2010	No	**Passed**	62119.3	2751.8
9/3/2010	246	170.2	11.9	1556-0600	14.07	58.63%	Maintenance to discharge and feed pugmill paddles and discharge auger	12	759	CD-PT-246-090310	9/6/2010	124.6	ND	9/7/2010	10/5/2010	No	**Passed**	62289.5	2751.8
9/4/2010	247	290.1	12.2	0600-0600	24	100.00%		12.1	763	CD-PT-247-090410	9/6/2010	159.1	0.6	9/7/2010	10/5/2010	No	**Passed**	62579.6	2751.8
9/5/2010	248	272.1	11.6	0600-0600	23.47	97.79%	Segregated 3.8 tons due to problems with baghouse differential pressure	12.6	759	CD-PT-248-090510	9/6/2010	96.4	1.1	9/7/2010	10/5/2010	No	**Passed**	62851.7	2751.8
9/6/2010	249	265.1	11	0600-0600	24	100.00%		12.1	758	CD-PT-249-090610	9/7/2010	91.5	ND	9/8/2010	10/5/2010	No	**Passed**	63116.8	2751.8
9/7/2010	250	269.1	11.2	0600-0600	23.87	99.46%	Main breaker tripped	11	757	CD-PT-250-090710	9/8/2010	61	ND	9/9/2010	10/5/2010	No	**Passed**	63385.9	2751.8
9/8/2010	251	270.9	11.3	0600-0600	24	100.00%		11.6	761	CD-PT-251-090810	9/9/2010	43.8	ND	9/10/2010	10/5/2010	No	**Passed**	63656.8	2751.8
9/9/2010	252	280.1	11.7	0600-0600	24	100.00%		11	756	CD-PT-252-090910	9/10/2010	29.1	ND	9/13/2010	10/5/2010	No	**Passed**	63936.9	2751.8
9/10/2010	253	275.3	11.5	0600-0600	22.55	93.96%	Replace bearing on bucket elevator	11.2	747	CD-PT-253-091010	9/11/2010	40.4	ND	9/13/2010	10/5/2010	No	**Passed**	64212.2	2751.8
9/11/2010	254	294.4	12.3	0600-0600	24	100.00%		11.1	753	CD-PT-254-091110	9/13/2010	58.7	ND	9/14/2010	10/18/2010	No	**Passed**	64506.6	2751.8
9/12/2010	255	296.2	12.3	0600-0600	24	100.00%		11.1	763	CD-PT-255-091210	9/13/2010	38.7	ND	9/14/2010	10/18/2010	No	**Passed**	64802.8	2751.8
9/13/2010	256	303.7	12.6	0600-0600	24	100.00%		10.7	760	CD-PT-256-091310	9/14/2010	31.84	ND	9/15/2010	10/18/2010	No	**Passed**	65106.5	2751.8
9/14/2010	257	207.8	1.9	0600-0600	16.13	67.21%	Replace feed conveyor and pugmill paddles	9.5	628	CD-PT-257-091410	9/15/2010	35.1	ND	9/16/2010	10/18/2010	No	**Passed**	65314.3	2751.8
9/15/2010	258	290.1	13.1	0600-0600	22.2	92.50%	Replace sprocket on feed belt	10.6	747	CD-PT-258-091510	9/16/2010	22.85	ND	9/17/2010	10/18/2010	No	**Passed**	65604.4	2751.8
9/16/2010	259	313.2	13	0600-0600	24	100.00%		9.6	752	CD-PT-259-091610	9/18/2010	17.87	ND	9/20/2010	10/18/2010	No	**Passed**	65917.6	2751.8
9/17/2010	260	320.7	13.3	0600-0600	24	100.00%		10.3	752	CD-PT-260-091710	9/18/2010	25.05	ND	9/20/2010	10/18/2010	No	**Passed**	66238.3	2751.8
9/18/2010	261	221.9	13.4	0600-0600	16.43	68.46%	Replace filter fabric in filter prss, other maintenance performed	10.8	729	CD-PT-261-091810	9/20/2010	17.19	ND	9/21/2010	10/26/2010	No	**Passed**	66460.2	2751.8
9/19/2010	262	307.1	13	0600-0600	23.68	98.67%	Burner braker tripped	10.6	763	CD-PT-262-091910	9/20/2010	25.05	ND	9/21/2010	10/26/2010	No	**Passed**	66767.3	2751.8
9/20/2010	263	313.2	13	0600-0600	24	100.00%		10.6	760	CD-PT-263-092010	9/21/2010	17.78	ND	9/22/2010	10/26/2010	No	**Passed**	67080.5	2751.8
9/21/2010	264	283.9	12.2	0600-0515	23.25	96.88%	Shutdown for pugmill maintenance.	10.5	758	CD-PT-264-092110	9/22/2010	14.18	ND	9/23/2010	10/26/2010	No	**Passed**	67364.4	2751.8
9/22/2010	265	173.7	12.6	1612-0600	13.37	55.71%		10.6	763	CD-PT-265-092210	9/23/2010	19.49	ND	9/24/2010	10/26/2010	No	**Passed**	67538.1	2751.8
9/23/2010	266	325.8	13.6	0600-0600	24	100.00%		10.1	755	CD-PT-266-092310	9/24/2010	42	ND	9/27/2010	10/26/2010	No	**Passed**	67863.9	2751.8
9/24/2010	267	321.9	13.4	0600-0600	24	100.00%		10.6	752	CD-PT-267-092410	9/25/2010	18.66	ND	9/27/2010	10/26/2010	No	**Passed**	68185.8	2751.8
9/25/2010	268	315.8	13.2	0600-0600	24	100.00%		11.1	749	CD-PT-268-092510	9/27/2010	82.3	ND	9/28/2010	11/19/2010	No	**Passed**	68501.6	2751.8
9/26/2010	269	317.4	13.2	0600-0600	24	100.00%		10.6	761	CD-PT-269-092610	9/27/2010	85.8	ND	9/28/2010	11/19/2010	No	**Passed**	68819	2751.8
9/27/2010	270	282.2	12.8	0600-0310	21.17	88.21%	Shut down from 0310 on 9/27 to 0819 on 9/29 to change out ID fan	14.1	758	CD-PT-270-092710	9/28/2010	305.4	1.53	9/29/2010	11/19/2010	Yes	**Passed**	69101.2	2751.8
9/29/2010	271	287.9	13.2	0819-0600	21.68	45.17%		11.1	751	CD-PT-271-092910	9/30/2010	105.8	ND	10/1/2010	11/19/2010	No	**Passed**	69389.1	2751.8
9/30/2010	272	322.3	13.4	0600-0600	24	100.00%		11.1	748	CD-PT-272-093010	10/1/2010	130.2	1.94	10/4/2010	11/19/2010	No	**Passed**	69711.4	2751.8
10/1/2010	273	327.7	13.6	0600-0600	24	100.00%		11.8	748	CD-PT-273-100110	10/2/2010	191.7	2.2	10/4/2010	11/19/2010	No	**Passed**	70039.1	2751.8
10/2/2010	274	329.1	13.7	0600-0600	24	100.00%		10.8	745	CD-PT-274-100210	10/4/2010	95.6	0.99	10/5/2010	11/19/2010	No	**Passed**	70368.2	2751.8
10/3/2010	275	334	14.1	0600-0600	24	100.00%		10.8	752	CD-PT-275-100310	10/4/2010	121.2	1.23	10/5/2010	11/19/2010	Yes	**Passed**	70702.2	2751.8
10/4/2010	276	296.2	14.1	0600-0300	20.83	86.79%	Shutdown to install new baghouse	10.2	758	CD-PT-276-100410	10/5/2010	125.3	ND	10/6/2010	11/19/2010	No	**Passed**	70998.4	2751.8
Shutdown from 0300 on 10/5 until 1930 on 10/7 to install new baghouse																			

Pile Generation Date	Pile Number	Daily Tons Processed	Soil Feed Rate (tons/hour)	Contaminated Soil Feed (Start/Stop Time)	Contaminated Soil Feed Operation Hours	Percent On-Line (treatment time per 24 hrs)	Reasons For Shutdown/Comments	Percent Soil Moisture	Exit Temperature (Deg. F)	SES Post LTTD Sample ID	Sample Date	PCB Pre-Treat Analytical (mg/kg)	PCB Post-Treat Analytical (mg/kg)	Prelim Anaytical	Validated Analytical	Capacitors noted by MT in pile?	Meets ROD Criteria?	Tons Passed to Date	Tons Failed to Date
10/7/2010	277	177.6	10.6	1930-1210	16.67	69.46%	Shutdown to inspect the inside of the new baghouse	12.3	751	CD-PT-277-100710	10/11/2010	646	1.16	10/12/2010	11/23/2010	No	**Passed**	71176	2751.8
10/8/2010	278	66	12.5	2355-0600	6.08	25.33%		11.8	752	CD-PT-278-100810	10/11/2010	741	3.6	10/12/2010	11/23/2010	No	**Passed**	71242	2751.8
10/9/2010	279	324.1	14.3	0600-0600	24	100.00%		10.5	756	CD-PT-279-100910	10/11/2010	837	7.6	10/12/2010	11/23/2010	Yes	**Passed**	71566.1	2751.8
10/10/2010	280	338.8	13.7	0600-0600	23.78	99.08%	Repaired discharge conveyor	11.8	756	CD-PT-280-101010	10/11/2010	221.5	5.4	10/12/2010	11/23/2010	Yes	**Passed**	71904.9	2751.8
10/11/2010	281	330.8	13.4	0600-0600	23.67	98.63%	Hose broke on feed excavator	12.2	754	CD-PT-281-101110	10/12/2010	728	4.7	10/13/2010	11/23/2010	Yes	**Passed**	72235.7	2751.8
10/12/2010	282	323	13.4	0600-0600	24	100.00%		12.2	763	CD-PT-282-101210	10/13/2010	1254	10.6	10/14/2010	11/23/2010	Yes	Failed	72235.7	3074.8
10/13/2010	283	323.5	13.4	0600-0600	24	100.00%		12.4	763	CD-PT-283-101310	10/14/2010	631	5.5	10/15/2010	11/23/2010	Yes	**Passed**	72559.2	3074.8
10/14/2010	284	303.5	12.6	0600-0544	23.77	99.04%	Gas lines froze	12.5	765	CD-PT-284-101410	10/15/2010	1027	11.0	10/18/2010	11/23/2010	Yes	Failed	72559.2	3378.3
10/15/2010	285	296.3	12.3	0610-0600	23.83	99.29%		12.7	764	CD-PT-285-101510	10/16/2010	1537	12.3	10/18/2010	11/23/2010	Yes	Failed	72559.2	3674.6
10/16/2010	286	300.3	12.5	0600-0600	24	100.00%		12.3	768	CD-PT-286-101610	10/18/2010	847	5.1	10/19/2010	11/23/2010	Yes	**Passed**	72859.5	3674.6
10/17/2010	287	301.8	12.5	0600-0600	24	100.00%		12.1	772	CD-PT-287-101710	10/18/2010	1340	6.6	10/19/2010	11/23/2010	Yes	**Passed**	73161.3	3674.6
10/18/2010	288	100.9	10.6	0600-0600	9.2	38.33%	Maintenance to feed pugmill, quench, and inspect the new baghouse	12.3	772	CD-PT-288-101810	10/19/2010	607	6.4	10/20/2010	11/23/2010	No	**Passed**	73262.2	3674.6
10/19/2010	289	266.2	11.1	0600-0600	24	100.00%		12.4	777	CD-PT-289-101910	10/20/2010	310	3.8	10/21/2010	11/23/2010	Yes	**Passed**	73528.4	3674.6
10/20/2010	290	264.8	11	0600-0600	24	100.00%		14.4	774	CD-PT-290-102010	10/21/2010	1120	2.04	10/22/2010	11/23/2010	Yes	**Passed**	73793.2	3674.6
10/21/2010	291	248.0	10.9	0600-0600	22.55	93.96%	Repair front seal grease fitting	11.1	777	CD-PT-291-102110	10/22/2010	494	1.77	10/25/2010	11/23/2010	No	**Passed**	74041.2	3674.6
10/22/2010	292	256.3	11	0600-0515	23.25	96.88%	Scheduled maintenance	10	775	CD-PT-292-102210	10/23/2010	337	2.3	10/25/2010	11/23/2010	No	**Passed**	74297.5	3674.6
10/23/2010	293	127.8	11.5	1856-0600	11.07	46.13%		11.5	755	CD-PT-293-102310	10/25/2010	1092	ND	10/26/2010	11/30/2010	No	**Passed**	74425.3	3674.6
10/24/2010	294	281.2	11.7	0600-0600	24	100.00%		11.3	765	CD-PT-294-102410	10/25/2010	954	ND	10/26/2010	11/30/2010	No	**Passed**	74706.5	3674.6
10/25/2010	295	285.8	11.9	0600-0600	24	100.00%		10.7	757	CD-PT-295-102510	10/26/2010	1317	0.77	10/27/2010	11/30/2010	Yes	**Passed**	74992.3	3674.6
10/26/2010	296	279.2	11.6	0600-0600	24	100.00%		13.6	751	CD-PT-296-102610	10/27/2010	583	3.3	10/28/2010	11/30/2010	No	**Passed**	75271.5	3674.6
10/27/2010	297	299.5	12.5	0600-0600	24	100.00%		13.4	746	CD-PT-297-102710	10/28/2010	647	4.4	10/29/2010	11/30/2010	Yes	**Passed**	75571	3674.6
10/28/2010	298	293.4	12.2	0600-0600	24	100.00%		13.8	745	CD-PT-298-102810	10/29/2010	367	16.3	11/1/2010	11/30/2010	Yes	Failed	75571	3968
10/29/2010	299	297.6	12.4	0600-0600	24	100.00%		12.9	763	CD-PT-299-102910	10/30/2010	841	13.3	11/1/2010	11/30/2010	Yes	Failed	75571	4265.6
10/30/2010	300	306	12.7	0600-0600	24	100.00%		13.6	752	CD-PT-300-103010	11/1/2010	961	39	11/2/2010	12/11/2010	Yes	Failed	75571	4571.6
10/31/2010 & 11/1/2010	301	250.4	11.4	0600-0600	22.3	46.46%	General plant maintenance including carbon changeout and work on quench	13.5	765	CD-PT-301-103110	11/2/2010	803	2.15	11/3/2010	12/11/2010	Yes	**Passed**	75821.4	4571.6
11/2/2010	302	253.4	10.5	0600-0600	24	100.00%		14.6	775	CD-PT-302-110210	11/3/2010	631	3.2	11/4/2010	12/11/2010	Yes	**Passed**	76074.8	4571.6
11/3/2010	303	247.5	10.3	0600-0600	24	100.00%		12.6	774	CD-PT-303-110310	11/4/2010	1199	2.5	11/5/2010	12/11/2010	Yes	**Passed**	76322.3	4571.6
11/4/2010	304	247.6	10.3	0600-0600	24	100.00%		12.7	774	CD-PT-304-110410	11/5/2010	345	4	11/8/2010	12/11/2010	Yes	**Passed**	76569.9	4571.6
11/5/2010	305	249.9	10.4	0600-0600	23.9	99.58%	Lost Burners	13.3	774	CD-PT-305-110510	11/6/2010	601	3.3	11/8/2010	12/11/2010	Yes	**Passed**	76819.8	4571.6
11/6/2010	306	263.2	10.5	0600-0600	24	100.00%		12.8	764	CD-PT-306-110610	11/8/2010	314	0.66	11/9/2010	12/14/2010	No	**Passed**	77083	4571.6
11/7/2010	307	245.2	10.2	0600-0600	24	100.00%		12.9	770	CD-PT-307-110710	11/8/2010	584	0.68	11/9/2010	12/14/2010	Yes	**Passed**	77328.2	4571.6
11/8/2010	308	243	10.1	0600-0600	24	100.00%		12.7	771	CD-PT-308-110810	11/9/2010	499	3.9	11/10/2010	12/14/2010	Yes	**Passed**	77571.2	4571.6
11/9/2010	309	166.6	10	0600-0600	16.72	69.67%	Repair Quench and bucket elevator	13.2	770	CD-PT-309-110910	11/10/2010	673	2.72	11/11/2010	12/14/2010	No	**Passed**	77737.8	4571.6
11/10/2010	310	254.1	10.6	0600-0600	24	100.00%		12.7	768	CD-PT-310-111010	11/11/2010	1235	3.1	11/12/2010	12/14/2010	Yes	**Passed**	77991.9	4571.6
11/11/2010	311	252.4	10.5	0600-0600	24	100.00%		13.4	774	CD-PT-311-111110	11/12/2010	409	6.3	11/15/2010	12/14/2010	Yes	**Passed**	78244.3	4571.6
11/12/2010	312	253.4	10.5	0600-0600	24	100.00%		13.2	776	CD-PT-312-111210	11/13/2010	444	3.2	11/15/2010	12/14/2010	Yes	**Passed**	78497.7	4571.6

Pile Generation Date	Pile Number	Daily Tons Processed	Soil Feed Rate (tons/hour)	Contaminated Soil Feed (Start/Stop Time)	Contaminated Soil Feed Operation Hours	Percent On-Line (treatment time per 24 hrs)	Reasons For Shutdown/Comments	Percent Soil Moisture	Exit Temperature (Deg. F)	SES Post LTTD Sample ID	Sample Date	PCB Pre-Treat Analytical (mg/kg)	PCB Post-Treat Analytical (mg/kg)	Prelim Anaytical	Validated Analytical	Capacitors noted by MT in pile?	Meets ROD Criteria?	Tons Passed to Date	Tons Failed to Date
11/13/2010	313	252.5	10.5	0600-0600	24	100.00%		13.2	774	CD-PT-313-111310	11/15/2010	392	2.46	11/16/2010	1/10/2011	Yes	**Passed**	78750.2	4571.6
11/14/2010	314	252.1	10.5	0600-0600	24	100.00%		12.8	771	CD-PT-314-111410	11/15/2010	354	6.1	11/16/2010	1/10/2011	Yes	**Passed**	79002.3	4571.6
11/15/2010	315	250.5	10.4	0600-0600	24	100.00%		14	767	CD-PT-315-111510	11/16/2010	343	6.3	11/17/2010	1/10/2011	No	**Passed**	79252.8	4571.6
11/16/2010	316	158.2	10.3	0600-0600	15.4	64.17%	General maintenance including changing pugmill paddles. Lost power for 40 min.	13.4	766	CD-PT-316-111610	11/17/2010	693	5.2	11/18/2010	1/10/2011	No	**Passed**	79411	4571.6
11/17/2010	317	250.9	10.5	0600-0600	24	100.00%		13.4	769	CD-PT-317-111710	11/18/2010	964	3.8	11/19/2010	1/10/2011	No	**Passed**	79661.9	4571.6
11/18/2010	318	250.3	10.4	0600-0600	24	100.00%		14.9	769	CD-PT-318-111810	11/20/2010	320	2.36	11/22/2010	1/10/2011	Yes	**Passed**	79912.2	4571.6
11/19/2010	319	252.3	10.5	0600-0600	24	100.00%		13.6	771	CD-PT-319-111910	11/20/2010	623	3.5	11/22/2010	1/10/2011	No	**Passed**	80164.5	4571.6
11/20/2010	320	253	10.5	0600-0600	24	100.00%		14	767	CD-PT-320-112010	11/22/2010	365	1.77	11/23/2010	1/10/2011	No	**Passed**	80417.5	4571.6
11/21/2010	321	252.1	10.5	0600-0600	24	100.00%		14	766	CD-PT-321-112110	11/22/2010	528	2.56	11/23/2010	1/10/2011	No	**Passed**	80669.6	4571.6
11/22/2010	322	253.7	10.5	0600-0600	24	100.00%		14.9	771	CD-PT-322-112210	11/24/2010	614	2.86	11/24/2010	1/10/2011	No	**Passed**	80923.3	4571.6
11/23/2010	323	254.3	10.5	0600-0600	24	100.00%		13.1	766	CD-PT-323-112310	11/24/2010	110.5	2.03	11/24/2010	1/10/2011	No	**Passed**	81177.6	4571.6
11/24/2010	324	67.4	10.5	0600-1226	6.43	26.79%	Shutdown for Thanksgiving Holiday	14.2	770	CD-PT-324-112410	11/29/2010	523	2.4	11/30/2010	2/5/2011	No	**Passed**	81245	4571.6
Shutdown for Thanksgiving Holida																			
11/30/2010	325	104.7	10.6	1911-0600	9.9	41.25%	Repair double dump valve	12.7	769	CD-PT-325-113010	12/1/2010	379	2.61	12/2/2010	2/5/2011	No	**Passed**	81349.7	4571.6
12/1/2010	326	211.9	10.6	0600-0600	19.88	82.83%	Maintenance to silo	11.9	773	CD-PT-326-120110	12/2/2010	547	0.79	12/3/2010	2/5/2011	No	**Passed**	81561.6	4571.6
12/2/2010	327	243.7	10.2	0600-0600	24	100.00%		13.6	770	CD-PT-327-120210	12/3/2010	179	ND	12/6/2010	2/5/2011	No	**Passed**	81805.3	4571.6
12/3/2010	328	92.3	10.2	0600-0600	9.22	38.42%	Replacing baghouse filters and pumps. Power to burners tripped 4 times	13.6	763	CD-PT-328-120310	12/4/2010	441	1.26	12/6/2010	2/5/2011	No	**Passed**	81897.6	4571.6
12/4/2010 & 12/5/2010	329	90.9	10.4	0600-0600	9.18	19.13%	Replacing baghouse filters, repair bucket elevator and quench	13.6	779	CD-PT-329-120410	12/6/2010	339	3.8	12/7/2010	2/15/2011	No	**Passed**	81988.5	4571.6
12/6/2010	330	246.5	10.3	0600-0600	24	100.00%		11.1	768	CD-PT-330-120610	12/7/2010	498	1.67	12/8/2010	2/15/2011	No	**Passed**	82235	4571.6
12/7/2010	331	185.7	9.6	0600-0600	18.85	78.54%	Shutdown to inspect TPH in feed soil. Power trip - 22 minute shutdown	12.3	798	CD-PT-331-120710	12/8/2010	260	2.61	12/9/2010	2/15/2011	No	**Passed**	82420.7	4571.6
12/8/2010 &12/9/2010	332	78.4	9.8	0600-1422	8.37	17.64%	Replacing bag filters in baghouse	12	760	CD-PT-332-120810	12/9/2010	587	ND	12/10/2010	2/15/2011	No	**Passed**	82499.1	4571.6
12/10/2010	333	228.9	10.3	0527-0600	22.67	92.34%	Lack of draft throughout system	11.1	768	CD-PT-333-121010	12/11/2010	520	1.52	12/13/2010	2/15/2011	No	**Passed**	82728	4571.6
12/11/2010	334	238.5	9.9	0600-0600	24	100.00%		11.5	759	CD-PT-334-121110	12/13/2010	498	1.66	12/14/2010	2/24/2011	Yes	**Passed**	82966.5	4571.6
12/12/2010	335	225.4	9.4	0600-0600	23.75	98.96%	Shutdown due to soil inconsistency	11.6	766	CD-PT-335-121210	12/13/2010	402	2.1	12/14/2010	2/24/2011	Yes	**Passed**	83191.9	4571.6
12/13/2010	336	218.7	9	0600-0600	24	100.00%		12.4	765	CD-PT-336-121310	12/14/2010	321	3.2	12/15/2010	2/24/2011	No	**Passed**	83410.6	4571.6
12/14/2010 - 12/16/2010	337	222.7	9.5	0600-0600	24.15	33.54%	Replace gaskets and filter seals on baghouse, repair propane vaporizer	12.4	765	CD-PT-337-121410	12/20/2010	222	ND	12/21/2010	2/24/2011	Yes	**Passed**	83633.3	4571.6
12/17/2010	338	250.6	10.4	0600-0600	24	100.00%		12.8	756	CD-PT-338-121710	12/18/2010	273	1.44	12/20/2010	2/24/2011	No	**Passed**	83883.9	4571.6
12/18/2010	339	215.9	10.4	0600-0600	20.92	87.17%	Lost power to burners and vaporizer. Also worked on propane vaporizer	13.6	755	CD-PT-339-121810	12/20/2010	204	ND	12/21/2010	2/24/2011	No	**Passed**	84099.8	4571.6
12/19/2010	340	253.9	10.5	0600-0600	24	100.00%		14	754	CD-PT-340-121910	12/20/2010	264	1.43	12/21/2010	2/24/2011	Yes	**Passed**	84353.7	4571.6
12/20/2010	341	253.0	10.5	0600-0600	24	100.00%		12.8	762	CD-PT-341-122010	12/21/2010	171.8	0.79	12/22/2010	2/24/2011	No	**Passed**	84606.7	4571.6
12/21/2010	342	237.7	10.5	0600-0440	22.67	94.46%	Maintenance on the pugmill paddles	12.4	756	CD-PT-342-122110	12/22/2010	210.3	0.54	12/23/2010	2/24/2011	No	**Passed**	84844.4	4571.6
12/22/2010	343	116.5	11	1919-0600	10.68	44.50%		12.7	769	CD-PT-343-122210	12/23/2010	224.4	ND	12/23/2010	2/24/2011	No	**Passed**	84960.9	4571.6
12/23/2010	344	280.8	11.6	0600-0600	24	100.00%		12.3	754	CD-PT-344-122310	12/28/2010	122.3	4	12/29/2010	2/24/2011	No	**Passed**	85241.7	4571.6
12/24/2010	345	119.9	12	0600-1558	9.97	41.54%	Shutdown for Holiday	11.6	775	CD-PT-345-122410	12/28/2010	231.1	4.6	12/29/2010	2/24/2011	No	**Passed**	85361.6	4571.6
Shutdown for Christmas Holida																			
12/26/2010	346	214.2	11.3	0716-0200	18.73	78.04%		13.6	756	CD-PT-346-122610	12/28/2010	264.6	3.6	12/29/2010	2/24/2011	No	**Passed**	85575.8	4571.6
12/27/2010	347	151.3	12.6	1500-0600	14	58.33%	Frozen H2O lines in quench	12.4	766	CD-PT-347-122710	12/28/2010	263.9	1.65	12/29/2010	2/24/2011	No	**Passed**	85727.1	4571.6

Pile Generation Date	Pile Number	Daily Tons Processed	Soil Feed Rate (tons/hour)	Contaminated Soil Feed (Start/Stop Time)	Contaminated Soil Feed Operation Hours	Percent On-Line (treatment time per 24 hrs)	Reasons For Shutdown/Comments	Percent Soil Moisture	Exit Temperature (Deg. F)	SES Post LTTD Sample ID	Sample Date	PCB Pre-Treat Analytical (mg/kg)	PCB Post-Treat Analytical (mg/kg)	Prelim Anaytical	Validated Analytical	Capacitors noted by MT in pile?	Meets ROD Criteria?	Tons Passed to Date	Tons Failed to Date
12/28/2010	348	129.2	12.6	0600-1650	10.83	45.13%	Repairs in baghouse	12.4	750	CD-PT-348-122810	12/29/2010	199.2	3.2	12/30/2010	2/24/2011	No	**Passed**	85856.3	4571.6
12/29/2010-12/31/2010	349	202.5	11	0942-0406	18.4	25.56%	Repair crack in calciner	11	742	CD-PT-349-122910	12/30/2010	290	1.82	12/30/2010	2/24/2011	No	**Passed**	86058.8	4571.6
1/1/2011	350	211.2	10.7	1019-0600	19.68	82.00%		13.2	750	CD-PT-350-010111	1/3/2011	402	1.31	1/4/2011	3/2/2011	Yes	**Passed**	86270	4571.6
1/2/2011	351	250.8	10.9	0600-0600	23.67	98.63%	Nitrogen ran out	12.5	762	CD-PT-351-010211	1/3/2011	277.6	1.76	1/4/2011	3/2/2011	Yes	**Passed**	86520.8	4571.6
1/3/2011	352	177.1	9.3	0600-0600	16.3	67.92%	Breaker tripped, replaced ID fan motor, replaced pugmill bearing	13	752	CD-PT-352-010311	1/4/2011	236	2.9	1/5/2011	3/2/2011	Yes	**Passed**	86697.9	4571.6
1/4/2011	353	265.9	11.1	0600-0600	24	100.00%		11.3	761	CD-PT-353-010411	1/5/2011	109.2	2.8	1/6/2011	3/2/2011	Yes	**Passed**	86963.8	4571.6
1/5/2011	354	159.0	10.6	0600-0600	16.03	66.79%	Replace filter rows 9 and 10 in baghouse	13.7	656	CD-PT-354-010511	1/6/2011	417.3	1.78	1/7/2011	3/2/2011	Yes	**Passed**	87122.8	4571.6
1/6/2011	355	286.6	12.3	0600-0600	23.57	98.21%	Lost Burners	12.4	775	CD-PT-355-010611	1/8/2011	256.6	4.7	1/10/2011	3/2/2011	Yes	**Passed**	87409.4	4571.6
1/7/2011	356	303.0	12.6	0600-0600	24	100.00%		13.1	783	CD-PT-356-010711	1/8/2011	429	5	1/10/2011	3/2/2011	Yes	**Passed**	87712.4	4571.6
1/8/2011	357	195.3	12.5	0600-0220	15.45	64.38%	Investigate possible crack in calciner, auger maintenance	13.5	775	CD-PT-357-010811	1/10/2011	343.7	3.5	1/11/2011	3/2/2011	Yes	**Passed**	87907.7	4571.6
1/9/2011	358	267.3	12.3	0645-0455	22.17	92.38%	Baghouse maintenance and replacing filters, replaced pugmill paddles	13	778	CD-PT-358-010911	1/10/2011	325.3	3.4	1/11/2011	3/2/2011	Yes	**Passed**	88175	4571.6
1/10/2011 & 1/11/2011	359	276.7	12.5	0600-0600	21.93	45.69%		12.8	783	CD-PT-359-011111	1/12/2011	248.2	1.35	1/13/2011	3/2/2011	Yes	**Passed**	88451.7	4571.6
1/12/2011	360	296.9	12.5	0600-0600	24	100.00%		14	788	CD-PT-360-011211	1/13/2011	427	3	1/14/2011	3/2/2011	Yes	**Passed**	88748.6	4571.6
1/13/2011	361	272.7	12.2	0600-0600	22.4	93.33%	Back hoe in feed building broke down	14.5	781	CD-PT-361-011311	1/15/2011	554	1.73	1/17/2011	3/2/2011	Yes	**Passed**	89021.3	4571.6
1/14/2011	362	298.2	12.5	0600-0600	24	100.00%		15.3	776	CD-PT-362-011411	1/15/2011	270	1.39	1/17/2011	3/2/2011	No	**Passed**	89319.5	4571.6
1/15/2011	363	297.4	12.4	0600-0600	24	100.00%		14	773	CD-PT-363-011511	1/17/2011	297	2.5	1/18/2011	3/4/2011	Yes	**Passed**	89616.9	4571.6
1/16/2011	364	306.9	12.8	0600-0600	24	100.00%		13.5	782	CD-PT-364-011611	1/17/2011	220	3.1	1/18/2011	3/4/2011	Yes	**Passed**	89923.8	4571.6
1/17/2011	365	296.4	12.4	0600-0600	24	100.00%		13.35	778	CD-PT-365-011711	1/18/2011	2154	5	1/19/2011	3/4/2011	Yes	**Passed**	90220.2	4571.6
1/18/2011 &1/19/2011	366	260.3	11.5	0600-0446	22.77	47.44%	General plant maintenance including changing pugmill paddles, jacking belt, conveyor	15.7	778	CD-PT-366-011811	1/19/2011	699	6.5	1/20/2011	3/4/2011	No	**Passed**	90480.5	4571.6
1/20/2011	367	219.9	11.2	1025-0600	19.58	81.58%		13.8	780	CD-PT-367-012011	1/21/2011	1560	7.8	1/24/2011	3/4/2011	No	**Passed**	90700.4	4571.6
1/21/2011	368	159.9	10.9	0600-0600	14.9	62.08%	Discharge auger replaced, vaporizer tripped	14.95	794	CD-PT-368-012111	1/22/2011	1262	10.4	1/24/2011	3/4/2011	Yes	Failed	90700.4	4731.5
1/22/2011	369	230.2	10.8	0600-0600	21.88	91.17%	Unthaw lines, replace HEPA #2, lost face pressure	15.8	792	CD-PT-369-012211	1/24/2011	2190	3.3	1/25/2011	3/21/2011	Yes	**Passed**	90930.6	4731.5
1/23/2011	370	243.3	11.4	0600-0600	22.33	93.04%	Lost face pressure	15.1	786	CD-PT-370-012311	1/24/2011	603.5	6	1/25/2011	3/21/2011	Yes	**Passed**	91173.9	4731.5
1/24/2011	371	258.0	10.9	0600-0600	24	100.00%		14.25	781	CD-PT-371-012411	1/25/2011	768	4.1	1/26/2011	3/21/2011	Yes	**Passed**	91431.9	4731.5
1/25/2011	372	254.2	10.6	0600-0600	24	100.00%		15.95	778	CD-PT-372-012511	1/26/2011	487.6	4.8	1/28/2011	3/21/2011	Yes	**Passed**	91686.1	4731.5
1/26/2011	373	251.9	10.9	0600-0600	24	100.00%		15.4	787	CD-PT-373-012611	1/27/2011	597.2	3.4	1/28/2011	3/21/2011	Yes	**Passed**	91938	4731.5
1/27/2011	374	259.9	10.9	0600-0600	24	100.00%		14.8	795	CD-PT-374-012711	1/28/2011	999	6.3	1/31/2011	3/21/2011	Yes	**Passed**	92197.9	4731.5
1/28/2011	375	248.3	10.4	0600-0600	24	100.00%		15.8	786	CD-PT-375-012811	1/29/2011	241	7	1/31/2011	3/21/2011	Yes	**Passed**	92446.2	4731.5
1/29/2011	376	246.2	10.4	0600-0600	24	100.00%		15.4	789	CD-PT-376-012911	1/31/2011	795	4.9	2/2/2011	3/21/2011	Yes	**Passed**	92692.4	4731.5
1/30/2011	377	217.7	10.2	0600-0332	21.53	89.71%	Shutdown for maintenance to baghouse	14.7	790	CD-PT-377-013011	1/31/2011	813	2.6	2/2/2011	3/21/2011	Yes	**Passed**	92910.1	4731.5
1/31/2011 &2/1/2011	378	203.7	10.4	1011-0600	19.82	41.29%		14	787	CD-PT-378-020111	2/2/2011	356.5	2.09	2/3/2011	3/21/2011	Yes	**Passed**	93113.8	4731.5
2/2/2011	379	228.8	10.3	0600-0600	22.57	94.04%	Power outage	15.6	783	CD-PT-379-020211	2/3/2011	586	4.1	2/4/2011	3/21/2011	No	**Passed**	93342.6	4731.5
2/3/2011	380	248.9	10.4	0600-0600	24	100.00%		14.4	791	CD-PT-380-020311	2/4/2011	251.7	3.1	2/7/2011	3/21/2011	No	**Passed**	93591.5	4731.5
2/4/2011	381	249.3	10.4	0600-0600	24	100.00%		15.6	786	CD-PT-381-020411	2/5/2011	244.5	2.3	2/7/2011	3/21/2011	Yes	**Passed**	93840.8	4731.5
2/5/2011	382	227.2	10.5	0600-0600	22.08	92.00%	Lead Carbon break through, changed out carbon	17.1	788	CD-PT-382-020511	2/7/2011	143.4	1.15	2/8/2011	3/30/2011	Yes	**Passed**	94068	4731.5
2/6/2011	383	247.4	10.3	0600-0600	24	100.00%		16.2	785	CD-PT-383-020611	2/7/2011	119	ND	2/8/2011	3/30/2011	Yes	**Passed**	94315.4	4731.5

Pile Generation Date	Pile Number	Daily Tons Processed	Soil Feed Rate (tons/hour)	Contaminated Soil Feed (Start/Stop Time)	Contaminated Soil Feed Operation Hours	Percent On-Line (treatment time per 24 hrs)	Reasons For Shutdown/Comments	Percent Soil Moisture	Exit Temperature (Deg. F)	SES Post LTTD Sample ID	Sample Date	PCB Pre-Treat Analytical (mg/kg)	PCB Post-Treat Analytical (mg/kg)	Prelim Anaytical	Validated Analytical	Capacitors noted by MT in pile?	Meets ROD Criteria?	Tons Passed to Date	Tons Failed to Date
2/7/2011	384	254.4	10.5	0600-0600	24	100.00%		16.2	791	CD-PT-384-020711	2/8/2011	141.2	2.09	2/9/2011	3/30/2011	No	**Passed**	94569.8	4731.5
2/8/2011	385	255.2	10.6	0600-0600	24	100.00%		15.6	787	CD-PT-385-020811	2/9/2011	420.9	1.58	2/10/2011	3/30/2011	Yes	**Passed**	94825	4731.5
2/9/2011	386	255.5	10.7	0600-0600	24	100.00%		14	783	CD-PT-386-020911	2/10/2011	307.7	1.1	2/11/2011	3/30/2011	Yes	**Passed**	95080.5	4731.5
2/10/2011	387	255.8	10.6	0600-0600	24	100.00%		14.6	799	CD-PT-387-021011	2/12/2011	194.6	1.9	2/14/2011	3/30/2011	No	**Passed**	95336.3	4731.5
2/11/2011	388	253.4	10.6	0600-0600	24	100.00%		16	789	CD-PT-388-021111	2/12/2011	241	2.28	2/14/2011	3/30/2011	Yes	**Passed**	95589.7	4731.5
2/12/2011	389	251.5	10.6	0600-0600	23.8	99.17%	Power outage	13.3	794	CD-PT-389-021211	2/14/2011	154.2	1.38	2/15/2011	3/31/2011	Yes	**Passed**	95841.2	4731.5
2/13/2011	390	221.7	10.7	0600-0320	19.73	82.21%	Segrating soil low exit temperature, scheduled maintenance shutdown	11.1	786	CD-PT-390-021311	2/14/2011	364	ND	2/15/2011	3/31/2011	Yes	**Passed**	96062.9	4731.5
2/14/2011 & 2/15/2011	391	287.3	10.6	0300-0600	27	56.25%		13	787	CD-PT-391-021511	2/16/2011	326	ND	2/17/2011	3/31/2011	Yes	**Passed**	96350.2	4731.5
2/16/2011	392	223.8	11.3	0600-0220	20.33	84.71%	Auger snapped	11.4	740	CD-PT-392-021611	2/17/2011	319	ND	2/18/2011	3/31/2011	Yes	**Passed**	96574	4731.5
2/17/2011	393	203.0	11.6	1248-0600	17.2	71.67%		13.9	783	CD-PT-393-021711	2/19/2011	374	1.64	2/21/2011	3/31/2011	No	**Passed**	96777	4731.5
2/18/2011	394	290.7	12.1	0600-0600	24	100.00%		13.2	784	CD-PT-394-021811	2/19/2011	399	1.79	2/21/2011	3/31/2011	No	**Passed**	97067.7	4731.5
2/19/2011	395	290.4	12.1	0600-0600	24	100.00%		11.4	786	CD-PT-395-021911	2/21/2011	344	1.01	2/22/2011	3/30/2011	No	**Passed**	97358.1	4731.5
2/20/2011	396	290.5	12.2	0600-0600	24	100.00%		10.5	784	CD-PT-396-022011	2/21/2011	525	ND	2/22/2011	3/30/2011	No	**Passed**	97648.6	4731.5
2/21/2011	397	298.6	12.5	0600-0600	24	100.00%		12.7	786	CD-PT-397-022111	2/22/2011	710	ND	2/23/2011	3/30/2011	No	**Passed**	97947.2	4731.5
2/22/2011	398	54.3	12.8	0600-1015	4.25	17.71%	Ran out of contaminated feed soil @ 1015, ran clean until 1145	12.3	788	CD-PT-398-022211	2/22/2011	489	1.14	2/23/2011	3/30/2011	No	**Passed**	98001.5	4731.5
Project Complete																			

SAMPLING TRACKING LOG

Sample ID	Grid	Location Description	Sample Date	Sample Type	Lab Location	Shipping Date	Pre-Lim Anaytical	Validated Analytical
CD-WC-ASPH-24		Waste characterization sample for off-site disposal of asphalt (pile #24)	2/28/2012	SO	Mitkem	2/28/2012		3/7/2012
CD-WC-ASPH-25		Waste characterization sample for off-site disposal of asphalt (pile #25)	2/28/2012	SO	Mitkem	2/28/2012		3/7/2012
CD-WC-GAC		Waste characterization sample for off-site disposal of used granular activated carbon	2/28/2012	SO	Mitkem	2/28/2012		3/7/2012
CD-WC-STUMP-4		Waste characterization sample for off-site disposal of stumps (pile #4)	2/28/2012	SO	Mitkem	2/28/2012		3/7/2012
CD-WC-WOODMAT		Waste characterization sample for off-site disposal of shredded wood mats	3/15/2012	SO	Mitkem	3/15/2012		3/26/2012
CD-WC-T29	T-29	In-situ waste characterization sample for off-site disposal of grid T-29	3/15/2012	SO	Mitkem	3/15/2012		3/26/2012
CD-T29-1-FL	T-29	Floor sample in northeastern excavation @ 4' BG.	3/15/2012	SO	Mitkem	3/15/2012	3/20/2012	4/16/2012
CD-BF-MX-10		Sample taken off-site (@ Weldon Quarry) of DGA backfill material	4/6/2012	SO	Mitkem	4/6/2012	4/16/2012	
CD-BF-MX-11		Sample taken of DGA backfill material from on-site stockpile	4/6/2012	SO	Mitkem	4/6/2012	4/16/2012	
CD-PCB-A604		PCB only sample of sludge at the bottom of Adler Frac tank #A604	4/12/2012	SO	Mitkem	4/12/2012	4/16/2012	
CD-PCB-A821		PCB only sample of sludge at the bottom of Adler Frac tank #A821	4/12/2012	SO	Mitkem	4/12/2012	4/16/2012	
CD-PCB-A1487		PCB only sample of sludge at the bottom of Adler Frac tank #A1487	4/12/2012	SO	Mitkem	4/12/2012	4/16/2012	
CD-PCB-A025		PCB only sample of sludge at the bottom of Adler Frac tank #A025	4/12/2012	SO	Mitkem	4/12/2012	4/16/2012	
CD-PCB-A377		PCB only sample of sludge at the bottom of Adler Frac tank #A377	4/12/2012	SO	Mitkem	4/12/2012	4/16/2012	
CD-PCB-A209		PCB only sample of sludge at the bottom of Adler Frac tank #A209	4/12/2012	SO	Mitkem	4/12/2012	4/16/2012	
CD-WC-ASPH-26		Waste characterization sample for off-site disposal of asphalt (pile #26)	4/17/2012	SO	Mitkem	4/17/2012		
CD-WC-GAC-2		Waste characterization sample for off-site disposal of used granular activated carbon	4/17/2012	SO	Mitkem	4/17/2012		
CD-WC-ADLER		Waste characterization sample for off-site disposal of sludge in 6 frac tanks	4/17/2012	SO	Mitkem	4/17/2012		

TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR MANUFACTURER'S CERTIFICATES OF COMPLIANCE (Read instructions on the reverse side prior to initiating this form)	DATE 05/09/2011	TRANSMITTAL NO. 02181-1200

SECTION I - REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS (This section will be initiated by the contractor)

TO: Environmental Residency US Army Corps of Engineers 214 State Highway 18 East Brunswick, NJ 08816	FROM: Sevenson Environmental Services Inc. 2749 Lockport Road Niagara Falls, NY 14305	CONTRACT NO. W912DQ-04-D-0023 0011	CHECK ONE: [X] THIS IS A NEW TRANSMITTAL [ ] THIS IS A RESUBMITTAL OF TRANSMITTAL _____
SPECIFICATION SEC. NO. (Cover only one section with each transmittal) 02181	PROJECT TITLE AND LOCATION 01-Main Register Cornell Dubilier OU2 Soils (LTTD) 333 Hamilton Boulevard, SP, NJ 07080		CHECK ONE: THIS TRANSMITTAL IS FOR [X] FIO [ ] GA [ ] DA [ ] CR

ITEM NO. a.	DESCRIPTION OF ITEM SUBMITTED (Type size, model number/etc.) b.	MFG OR CONTR. CAT., CURVE DRAWING OR BROCHURE NO. (See instruction no. 8) c.	NO. OF COPIES d.	CONTRACT REFERENCE DOCUMENT SPEC. PARA. NO. e.	 DRAWING SHEET NO. f.	FOR CONTRACTOR USE CODE g.	VARIATION (See Instruction No. 6) h.	FOR CE USE CODE i.
100	MT - Certif of Decon & Inpection Form #2	CERTIFICATES	6	1.5		A	N	

REMARKS

I certify that the above submitted items have been reviewed in detail and are correct and in the strict conformance with the contract drawings and specifications except as otherwise stated.

NAME AND SIGNATURE OF CONTRACTOR

SECTION II - APPROVAL ACTION

ENCLOSURES RETURNED (List by item No.)	NAME, TITLE AND SIGNATURE OF APPROVING AUTHORITY	DATE

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Road Plate ~~(2)~~ (3) WHB

Number of samples taken from equipment. n/A

Location of samples taken: n/A

Applicable wipe sample results pass Yes ___ No ___ n/A
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ___

Laboratory report attached Yes ___ No ___ n/A

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ___ No ___ n/A

SES inspected this/these items and has also seen the analytical report. Yes X No ___ N/A
WHB

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name [signature] 4/25/11

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Road Plate

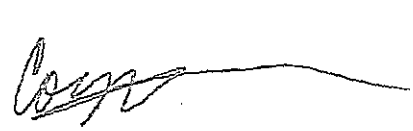
EQUIPMENT NUMBER: n/a

DATE DECONTAMINATED: 4/20/11

PROCEDURE USED/ Items of Note:

Equipment was used for ground stability for discharge end of LTTD unit. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Steam Cleaner 1575510-16113

Number of samples taken from equipment. 1

Location of samples taken: Exterior

Applicable wipe sample results pass Yes ✓ No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes____ No____

Laboratory report attached Yes ✓ No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes____ No ____ n/a

SES inspected this/these items and has also seen the analytical report. Yes ____ No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name Erik Benoit Sign Name

4/25/11

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Steam Cleaner

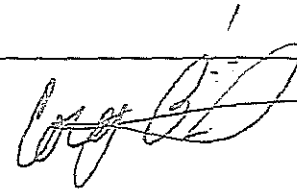
EQUIPMENT NUMBER: 1575510-16113

DATE DECONTAMINATED: 4/18/11

PROCEDURE USED/ Items of Note:

Equipment was used for decontamination process. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Brian Smith

Corey Jones	 Signature

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB27441-01	Trip Blank	Wipe	21-Apr-11 14:30	22-Apr-11 10:25
SB27441-02	Genie n67590 1	Wipe	21-Apr-11 14:30	22-Apr-11 10:25
SB27441-03	Genie n67590 2	Wipe	21-Apr-11 14:30	22-Apr-11 10:25
SB27441-04	Steam Cleaner	Wipe	21-Apr-11 14:30	22-Apr-11 10:25
SB27441-05	Grove AMZ68XT1	Wipe	21-Apr-11 14:30	22-Apr-11 10:25
SB27441-06	Grove AMZ68XT2	Wipe	21-Apr-11 14:30	22-Apr-11 10:25

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 10 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 9.8 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB27441-01	09007	Wipe	21-Apr-11 14:30	22-Apr-11

No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 **Prepared by method SW846 3550B/C**													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	22-Apr-11	22-Apr-11	SM	1107260	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	102			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	82			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	78			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	78			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Steam Cleaner SB27441-04	09007	Wipe	21-Apr-11 14:30	22-Apr-11

No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	22-Apr-11	22-Apr-11	SM	1107290	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.57		µg/Wipe	0.20	0.07	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.70		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	108			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	82			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	80			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	83			*30-150 %*			"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1107290 - SW846 3550B/C										
Blank (1107290-BLK1)					Prepared & Analyzed: 22-Apr-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.278*		µg/Wipe		*0.200*		*139*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.208*		µg/Wipe		*0.200*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.217*		µg/Wipe		*0.200*		*109*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.205*		µg/Wipe		*0.200*		*103*	*30-150*		
LCS (1107290-BS1)					Prepared & Analyzed: 22-Apr-11					
Aroclor-1016	2.30		µg/Wipe	0.08	2.50		92	50-140		
Aroclor-1016 [2C]	2.20		µg/Wipe	0.10	2.50		88	50-140		
Aroclor-1260	2.27		µg/Wipe	0.10	2.50		91	50-140		
Aroclor-1260 [2C]	2.19		µg/Wipe	0.08	2.50		87	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.210*		µg/Wipe		*0.200*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.182*		µg/Wipe		*0.200*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.180*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.182*		µg/Wipe		*0.200*		*91*	*30-150*		
LCS Dup (1107290-BSD1)					Prepared & Analyzed: 22-Apr-11					
Aroclor-1016	2.37		µg/Wipe	0.08	2.50		95	50-140	3	30
Aroclor-1016 [2C]	2.37		µg/Wipe	0.10	2.50		95	50-140	7	30
Aroclor-1260	2.30		µg/Wipe	0.10	2.50		92	50-140	1	30
Aroclor-1260 [2C]	2.22		µg/Wipe	0.08	2.50		89	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.205*		µg/Wipe		*0.200*		*103*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.186*		µg/Wipe		*0.200*		*93*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.186*		µg/Wipe		*0.200*		*93*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.182*		µg/Wipe		*0.200*		*91*	*30-150*		

Notes and Definitions

J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

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Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB27441 SM

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1601 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1601 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

Lab Id	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 3550C PCB						
	Trip Blank	4/21/2011	1430	G	X2	1				X						
	Genie n67590 1	4/21/2011	1430	G	X2	1				X						
	Genie n67590 2	4/21/2011	1430	G	X2	1				X						
	Steam Cleaner	4/21/2011	1430	G	X2	1				X						
	Grove AMZ60XT1	4/21/2011	1430	G	X2	1				X						
	Grove AMZ60XT2	4/21/2011	1430	G	X2	1				X						

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:
ASAP

Relinquished by:	Received by:	Date:	Time:	Temp:
FedEx		4/22/11	10:25	

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JSMITH@MAXYMILLIAN.COM

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Robyn Darrow
MAXYMILLIAN TECHNOLOGIES
333 Hamilton Blvd

South Plainfield, NJ 07080

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Invoice #
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MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment #MT Fuel skid

Number of samples taken from equipment. 1

Location of samples taken: Exterior

Applicable wipe sample results pass Yes ✓ No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ____

Laboratory report attached Yes ✓ No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ____ No ____ n/A

SES inspected this/these items and has also seen the analytical report. Yes X No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name [signature] 4/25/11

QC

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: MT Fuel Skid

EQUIPMENT NUMBER: 3A

DATE DECONTAMINATED: 3/11/11

PROCEDURE USED/ Items of Note:

Equipment was used to store fuel. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Brian Smith

Corey Jones (Site Safety Health Officer)	Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
14-Apr-11 12:20

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26949-01	MT Fuel Skid Ext	Wipe	12-Apr-11 10:30	13-Apr-11 10:30
SB26949-02	WT Carbon Vessel Int	Wipe	12-Apr-11 10:00	13-Apr-11 10:30
SB26949-03	WT Carbon Vessel Ext	Wipe	12-Apr-11 10:00	13-Apr-11 10:30
SB26949-04	WT Clarifier Ext	Wipe	12-Apr-11 10:00	13-Apr-11 10:30
SB26949-05	WT Flock Tank Ext	Wipe	12-Apr-11 10:00	13-Apr-11 10:30
SB26949-06	WT Flash Tank Ext	Wipe	12-Apr-11 10:00	13-Apr-11 10:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 10 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 9.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT Fuel Skid Ext SB26949-01	09007	Wipe	12-Apr-11 10:30	13-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	13-Apr-11	13-Apr-11	IMR	1106554	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.33		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.47		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	42			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	44			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	42			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	40			*30-150 %*			"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1106554 - SW846 3550B/C										
Blank (1106554-BLK1)					Prepared & Analyzed: 13-Apr-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.06						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.184*		µg/Wipe		*0.200*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.199*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.222*		µg/Wipe		*0.200*		*111*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.215*		µg/Wipe		*0.200*		*108*	*30-150*		
LCS (1106554-BS1)					Prepared & Analyzed: 13-Apr-11					
Aroclor-1016	2.09		µg/Wipe	0.08	2.50		83	50-140		
Aroclor-1016 [2C]	2.12		µg/Wipe	0.10	2.50		85	50-140		
Aroclor-1260	1.97		µg/Wipe	0.10	2.50		79	50-140		
Aroclor-1260 [2C]	1.94		µg/Wipe	0.08	2.50		78	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.190*		µg/Wipe		*0.200*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.195*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.183*		µg/Wipe		*0.200*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.215*		µg/Wipe		*0.200*		*108*	*30-150*		
LCS Dup (1106554-BSD1)					Prepared & Analyzed: 13-Apr-11					
Aroclor-1016	2.15		µg/Wipe	0.08	2.50		86	50-140	3	30
Aroclor-1016 [2C]	2.16		µg/Wipe	0.10	2.50		86	50-140	2	30
Aroclor-1260	2.11		µg/Wipe	0.10	2.50		84	50-140	7	30
Aroclor-1260 [2C]	2.00		µg/Wipe	0.08	2.50		80	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.193*		µg/Wipe		*0.200*		*96*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.199*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.201*		µg/Wipe		*0.200*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.219*		µg/Wipe		*0.200*		*110*	*30-150*		

Notes and Definitions

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BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
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Validated by:
Kimberly Wisk

SB76949

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
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PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 3550C PCB	QA/QC Reporting Level / State-specific reporting standards:
26949-01	MT Fuel Skid Ext	4/12/2011	1030	G	X2	1				X	ASAP
02	WT Carbon Vessel Int	4/12/2011	1000	G	X2	1				X	
03	WT Carbon Vessel Ext	4/12/2011	1000	G	X2	1				X	
04	WT Clarifier Ext	4/12/2011	1000	G	X2	1				X	
05	WT Flock Tank Ext	4/12/2011	1000	G	X2	1				X	
06	WT Flash Tank Ext	4/12/2011	1000	G	X2	1				X	

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER V*
☐ Other

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		4/13/11	1050	9.7

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JSMITH@MAXYMILLIAN.COM

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Robyn Darrow
MAXYMILLIAN TECHNOLOGIES
333 Hamilton Blvd

South Plainfield, NJ 07080

Origin ID: LDJA

Ship Date: 12APR11
ActWgt: 2.0 LB
CAD: 10148311/INET3130

Delivery Address Bar Code

SHIP TO: (413) 789-9018
Spectrum Analytical
Spectrum Analytical
11 ALMGREN DR

AGAWAM, MA 01001

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Invoice #
PO #
Dept #

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3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Miscellaneous Piping

Number of samples taken from equipment. n/a

Location of samples taken: n/a

Applicable wipe sample results pass Yes ___ No ___ n/a
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ___

Laboratory report attached Yes ___ No ___ n/a

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ___ No ___ n/a

SES inspected this/these items and has also seen the analytical report. Yes ___ No ___ N/A

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSUCUDI Sign Name

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Miscellaneous Piping

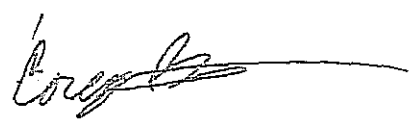
EQUIPMENT NUMBER:

DATE DECONTAMINATED: 3/14/11

PROCEDURE USED/ Items of Note:

Equipment was used as an ancillary component for LTTD unit. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

MAXYMILLIAN Technologies
1601 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Feed Pusmil Cover

Number of samples taken from equipment. n/a

Location of samples taken: n/A

Applicable wipe sample results pass Yes ___ No ___ n/a
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ___

Laboratory report attached Yes ___ No ___ n/A

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ___ No ___ n/A

SES inspected this/these items and has also seen the analytical report. Yes ___ No ___ N/A

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHOPP Sign Name

Maxymillian Technologies, Inc.
CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Feed Pugmil Cover

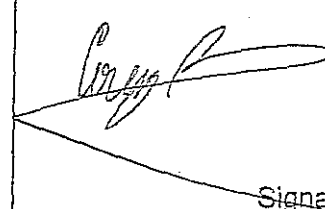
EQUIPMENT NUMBER: n/a

DATE DECONTAMINATED: 3/14/11

PROCEDURE USED/ Items of Note:

Equipment was used as an ancillary component for LTTD unit. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Air Compressor Shed Fan

Number of samples taken from equipment. N/A

Location of samples taken: N/A

Applicable wipe sample results pass Yes ___ No ___ N/A
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ___

Laboratory report attached Yes ___ No ___ N/A

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ___ No ___ N/A

SES inspected this/these items and has also seen the analytical report. Yes ___ No ___ N/A

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name [signature] 4/25/11

1 of 1

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Air Compressor Shed Fan

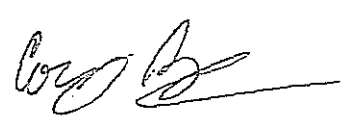
EQUIPMENT NUMBER: n/a

DATE DECONTAMINATED: 3/14/11

PROCEDURE USED/ Items of Note:

Equipment was used as an ancillary component for LTTD unit. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

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1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Filter Press / Dump Pan (unused)

Number of samples taken from equipment. n/a

Location of samples taken: n/a

Applicable wipe sample results pass- Yes ___ No ___ n/a
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ___

Laboratory report attached Yes ___ No ___ n/a

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ___ No ___ n/a

SES inspected this/these items and has also seen the analytical report. Yes ___ No ___ n/a

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name [illegible] Sign Name [illegible] 4/25/11

1 of 1

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Filter Press/Dump Pan (Unused)

EQUIPMENT NUMBER: N/A

DATE DECONTAMINATED: 3/14/11

PROCEDURE USED/ Items of Note:

Equipment was used as an ancillary component for LTTD unit. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # FB Air Handler Platform

Number of samples taken from equipment. n/A

Location of samples taken: n/A

Applicable wipe sample results pass Yes ___ No ___ n/A
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ___

Laboratory report attached Yes ___ No ___ n/A

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ___ No ___ n/A

SES inspected this/these items and has also seen the analytical report. Yes ___ No ___ N/A

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name 1/12/11

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: FB Air Handler Platform

EQUIPMENT NUMBER: N/A

DATE DECONTAMINATED: 3/21/11

PROCEDURE USED/ Items of Note:

Equipment was used to support feed building air handler. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached. Decontamination Personnel: Oscar Bozarth/Leo Charles

Corey Jones (Site Safety Health Officer)	Signature

HM:HEALTH\CORP\FORMS\CERTDECN

MAXYMILLIAN Technologies
1601 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # WT Air Handler Stack

Number of samples taken from equipment. N/A

Location of samples taken: N/A

Applicable wipe sample results pass Yes ____ No ____ N/A
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No____

Laboratory report attached Yes____ No____ N/A

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes____ No____ N/A

SES inspected this/these items and has also seen the analytical report. Yes ____ No ____ N/A

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERICTSON UGI Sign Name 4/25/11

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Water Treatment Building Air Handler Motor/Stack

EQUIPMENT NUMBER: N/A

DATE DECONTAMINATED: 3/21/11

PROCEDURE USED/ Items of Note:

Equipment was used to for . Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Oscar Bozarth/Leo Charles

Corey Jones (Site Safety Health Officer)	 Signature

HM:HEALTH\CORP\FORMS\CERTDECN

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Hepa Filter Box

Number of samples taken from equipment. n/A

Location of samples taken: n/A

Applicable wipe sample results pass Yes ___ No ___ n/A
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ___

Laboratory report attached Yes ___ No ___ n/A

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ___ No ___ n/A

SES inspected this/these items and has also seen the analytical report. Yes ___ No ___ N/A

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name [signature] 4/25/11

FCT

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Hepa Filter Box

EQUIPMENT NUMBER: N/A

DATE DECONTAMINATED: 3/21/11

PROCEDURE USED/ Items of Note:

Equipment was used to house heap filter #2. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Oscar Bozarth/Leo Charles

Corey Jones (Site Safety Health Officer)	Signature

HM:HEALTH\CORP\FORMS\CERTDECN

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PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Supplied Air Tanks

Number of samples taken from equipment. n/a

Location of samples taken: n/a

Applicable wipe sample results pass Yes ___ No ___ n/a
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ___

Laboratory report attached Yes ___ No ___ n/a

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ___ No ___ n/a

SES inspected this/these items and has also seen the analytical report. Yes ___ No ___ N/A

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name Eric Tschudi Sign Name [signature] 4/25/11

KCK

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Supplied Air Racks (unused)

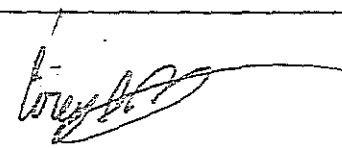
EQUIPMENT NUMBER: n/a

DATE DECONTAMINATED: 3/14/11

PROCEDURE USED/ Items of Note:

Equipment was used as an ancillary component for LTTD unit. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

MAXYMILLIAN Technologies
1601 EAST STREET
PITTSFIELD, MA 01201
413 499-0050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Transformer (2)

Number of samples taken from equipment. n/A

Location of samples taken: n/A

	Yes	No	
Wipe sample results pass <10ug/wipe See attached lab	☐	☐	n/A
Visible inspection pass	☒	☐	
Laboratory report attached	☐	☐	n/A

SES inspected this/these items and has also seen the analytical report. Yes ☐ No ☐ N/A

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name [illegible] Sign Name [signature] 4/25/11

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Transformer (2)

EQUIPMENT NUMBER: N/A

DATE DECONTAMINATED: 3/21/11

PROCEDURE USED/ Items of Note:

Equipment was used to as transformer for LTTD power. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. ~~Wipe sample results are attached.~~ N/A

Decontamination Personnel: Oscar Bozarth/Leo Charles

Corey Jones (Site Safety Health Officer)	Signature

HM:HEALTH\CORP\FORMS\CERTDECN

MAXYMILLIAN Technologies
1601 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Condensate Box

Number of samples taken from equipment. n/A

Location of samples taken: n/A

Applicable wipe sample results pass Yes ___ No ___ n/a
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ___

Laboratory report attached Yes ___ No ___ n/a

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ___ No ___ n/A

SES inspected this/these items and has also seen the analytical report. Yes ___ No ___ N/A

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name 4/25/11

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

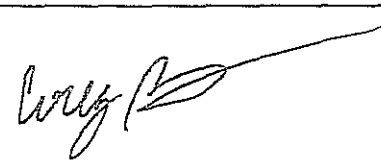
EQUIPMENT: Condensate Box

EQUIPMENT NUMBER: N/A

DATE DECONTAMINATED: 3/21/11

PROCEDURE USED/ Items of Note:

Equipment was used in the LTTD process. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.
Decontamination Personnel: Oscar Bozarth/Leo Charles

Corey Jones (Site Safety Health Officer)	 Signature

HM:HEALTH\CORP\FORMS\CERTDECN

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Drip Pan (Oil Drums)

Number of samples taken from equipment. n/A

Location of samples taken: n/A

Applicable wipe sample results pass * Yes ___ No ___ n/A
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ___

Laboratory report attached Yes ___ No ___ n/A

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ___ No ___ n/A

SES inspected this/these items and has also seen the analytical report. Yes ___ No ___ N/A

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name 4/25/11

1 of 1

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Drip Pan (Oil Drums)

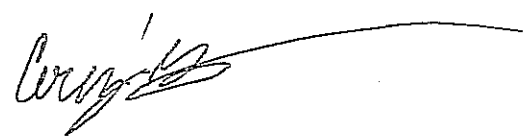
EQUIPMENT NUMBER: n/a

DATE DECONTAMINATED: 3/14/11

PROCEDURE USED/ Items of Note:

Equipment was used as an ancillary component for LTTD unit. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

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1601 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # LTTO Failings / Ladders

Number of samples taken from equipment. n/A

Location of samples taken: n/A

Applicable wipe sample results pass Yes ___ No ___ n/A
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ___

Laboratory report attached Yes ___ No ___ n/A

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ___ No ___ n/A

SES inspected this/these items and has also seen the analytical report. Yes ___ No ___ N/A

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name [signature] 4/25/11

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: LTTD Railing/Ladders

EQUIPMENT NUMBER: n/a

DATE DECONTAMINATED: 3/14/11

PROCEDURE USED/ Items of Note:

Equipment was used as an ancillary component for LTTD unit. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	Corey Jones Signature

MAXYMILLIAN Technologies
1601 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Frac Tank #2

Number of samples taken from equipment. 2

Location of samples taken: Interior / Exter

Applicable wipe sample results pass Yes X No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ____

Laboratory report attached Yes X No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes X No ____

SES inspected this/these items and has also seen the analytical report. Yes X No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSOUOI Sign Name

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Frac Tank

EQUIPMENT NUMBER: 2

DATE DECONTAMINATED: 3/14/11

PROCEDURE USED/ Items of Note:

Equipment was used to store treated water from the IDS process. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Tim Dargie/Leo Charles

Corey Jones (Site Safety Health Officer)	 Signature

HM:HEALTH\CORP\FORMS\CERTDECN

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

April 20, 2011

Kim Lickfield
Project Manager
Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14305

Dear Mr. Lickfield:

As outlined in Maxymillian Technologies' Demobilization Plan for the LTTD unit from the Cornell Dubilier Superfund Site, we are providing notification of LTTD components that do not meet the decontamination verification sampling criteria listed in the Plan.

LTTD COMPONENT	WIPE SAMPLE RESULT
Frac Tank #2A - Interior	188.4 ug/100 cm^2

The above listed component(s) have elevated levels of PCBs above the 40 CFR 761.76 standard and will continue to be used exclusively with the LTTD unit at PCB contaminated sites until such time as they are properly decontaminated, scrapped or disposed.

Very truly yours,

MAXYMILLIAN TECHNOLOGIES, INC.

John B. Anthony
Senior Vice President

cc: File

f/ rs/CDE/Decon Letter 5

Report Date:
19-Apr-11 13:37

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB27157-01	Extec Int	Wipe	15-Apr-11 08:00	16-Apr-11 11:58
SB27157-02	Extec Ext	Wipe	15-Apr-11 08:00	16-Apr-11 11:58
SB27157-03	Frac Tank MT 2 Ext	Wipe	15-Apr-11 08:00	16-Apr-11 11:58
SB27157-04	Frac Tank MT 2 Int	Wipe	15-Apr-11 08:00	16-Apr-11 11:58
SB27157-05	Trip Blank	Wipe	15-Apr-11 08:00	16-Apr-11 11:58

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 9 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 4.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB27157-04 *Frac Tank MT 2 Int*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248 [2C]
Aroclor-1254 [2C]

SB27157-04RE1 *Frac Tank MT 2 Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Frac Tank MT 2 Ext SB27157-03	09007	Wipe	15-Apr-11 08:00	16-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 **Prepared by method SW846 3550B/C**													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	18-Apr-11	18-Apr-11	IMR	1106838	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	1.31		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	1.54		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	51			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	60			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	51			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	55			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Frac Tank MT 2 Int SB27157-04	09007	Wipe	15-Apr-11 08:00	16-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	18-Apr-11	18-Apr-11	IMR	1106838	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	138	E	µg/Wipe	0.20	0.07	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	93.5	E	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	50			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	110			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	65			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	72			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	2.00	0.76	10	SW846 8082A	18-Apr-11	19-Apr-11	IMR	1106838	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	2.00	1.11	10	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	2.00	1.29	10	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	2.00	0.88	10	"	"	"	"	"	
12672-29-6	Aroclor-1248	114		µg/Wipe	2.00	0.57	10	"	"	"	"	"	
11097-69-1	Aroclor-1254	74.4		µg/Wipe	2.00	0.79	10	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	2.00	0.96	10	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	2.00	0.93	10	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	2.00	0.77	10	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	50			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	95			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	55			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	50			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB27157-05	09007	Wipe	15-Apr-11 08:00	16-Apr-11

AS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	18-Apr-11	19-Apr-11	IMR	1106838	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	86			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	103			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	104			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	88			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1106838 - SW846 3550B/C										
Blank (1106838-BLK1)						Prepared & Analyzed: 18-Apr-11				
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.174*		µg/Wipe		*0.200*		*87*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.202*		µg/Wipe		*0.200*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.185*		µg/Wipe		*0.200*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.197*		µg/Wipe		*0.200*		*98*	*30-150*		
LCS (1106838-BS1)						Prepared & Analyzed: 18-Apr-11				
Aroclor-1016	2.31		µg/Wipe	0.08	2.50		92	50-140		
Aroclor-1016 [2C]	2.38		µg/Wipe	0.10	2.50		95	50-140		
Aroclor-1260	2.22		µg/Wipe	0.10	2.50		89	50-140		
Aroclor-1260 [2C]	2.20		µg/Wipe	0.08	2.50		88	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.181*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.194*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.183*		µg/Wipe		*0.200*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.202*		µg/Wipe		*0.200*		*101*	*30-150*		
LCS Dup (1106838-BSD1)						Prepared & Analyzed: 18-Apr-11				
Aroclor-1016	2.30		µg/Wipe	0.08	2.50		92	50-140	0.6	30
Aroclor-1016 [2C]	2.39		µg/Wipe	0.10	2.50		96	50-140	0.4	30
Aroclor-1260	2.21		µg/Wipe	0.10	2.50		88	50-140	0.3	30
Aroclor-1260 [2C]	2.13		µg/Wipe	0.08	2.50		85	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.186*		µg/Wipe		*0.200*		*93*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.194*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.180*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.183*		µg/Wipe		*0.200*		*92*	*30-150*		

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
GSI	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Rebecca Merz

SB 27157

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page ____ of ____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXY Millian Technologies
1801 East St
Pittsfield, MA 01201

Telephone #: 413 499 3050
Project Mgr. J. Smith

Invoice To: Maxy Millian Technologies
1801 East St,
Pitts Field, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 02007
Site Name: CDE
Location: S. Plainfield State: NJ
Sampler(s): Corey Jones

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=Hexane 11=

List preservative code below: 10

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=Wipe X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	3550'c Ext PCBs								
27157-01	Extec Int	4/15/11	0800	G	X1	1				✓								
02	Extec Ext	4/15/11	0800	G	X1	1				✓								
03	Fractank NTZ Ext	4/15/11	0800	G	X1	1				✓								
04	Fractank NTZ Int	4/15/11	0800	G	X1	1				✓								
05	Trip Blank	4/15/11	0800	G	X1	1				✓								

QA/QC Reporting Notes:
*additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

per project History

Relinquished by:	Received by:	Date:	Time:	Temp °C
Corey B. Jones	[signature]			4.2
[signature]	[signature]	4/16/11	1158	4.2

☐ EDD Format _____
☐ E-mail to _____

☐ Ambient ☐ Ice ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

FedEx Express

SDR

FedEx® Saturday Delivery

161967 REV 10/04 MWI

FedEx Express US

FedEx® Saturday Delivery

0342

0215

Recipient's Copy

1 From This portion can be removed for recipient's records.

Date

FedEx Tracking Number 867120500342

Sender's Name

Phone

Company

Address

City

State

ZIP

2 Your Internal Billing Reference

3 To Recipient's Name

Phone

Company

Recipient's Address

Address

City

State

ZIP

RECIPIENT: PEEL HERE

3339

4a Express Package Service

Packages up to 150 lbs.

FedEx Priority Overnight

FedEx Standard Overnight

FedEx First Overnight

FedEx 2Day

FedEx Express Saver

4b Express Freight Service

Packages over 150 lbs.

FedEx 1Day Freight

FedEx 2Day Freight

FedEx 3Day Freight

5 Packaging

FedEx Envelope

FedEx Pak

FedEx Box

FedEx Tube

Other

6 Special Handling

SATURDAY Delivery

HOLD Weekday at FedEx Location

HOLD Saturday at FedEx Location

Does this shipment contain dangerous goods?

No

Dry Ice

Cargo Aircraft Only

7 Payment Bill to:

Sender

Recipient

Third Party

Credit Card

Cash/Check

Total Packages

Total Weight

Signature Options

Direct Signature

Indirect Signature

519

FedEx Express

SDR

Saturday Delivery

161967 REV 10/04 MWI

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # IR 260 Compressor #35

Number of samples taken from equipment. 2

Location of samples taken: Interior, Exterior

Applicable wipe sample results pass Yes ✓ No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ____

Laboratory report attached Yes ✓ No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ____ No ____ n/a

SES inspected this/these items and has also seen the analytical report. Yes X No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name 4/25/11

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: IR 260 Compressor

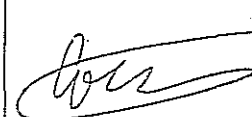
EQUIPMENT NUMBER: 35

DATE DECONTAMINATED: 3/7/11

PROCEDURE USED/ Items of Note:

Equipment was used to inside the exclusion zone to provide plant air. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
10-Mar-11 15:03

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB25384-01	Blank	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-02	Jacking Conveyor	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-03	Radial Stacker	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-04	#1 Compressor 260	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-05	#1 Compressor 750	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-06	#2 Compressor 260	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-07	#2 Compressor 750	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-08	Pugmill Shaft	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-09	Auger Shaft	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-10	924 Cat 1	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-11	924 Cat 2	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-12	924 Cat 3	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-13	Heater 1	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-14	Heater 2	Wipe	08-Mar-11 09:00	09-Mar-11 11:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 12 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 9.8 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification
Radial Stacker
SB25384-03

Client Project #	Matrix	Collection Date/Time	Received
09007	Wipe	08-Mar-11 09:00	09-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	09-Mar-11	09-Mar-11	IMR	1104106	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	1.21		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	1.63		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	54			30-150 %			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	58			30-150 %			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	64			30-150 %			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	62			30-150 %			"	"	"	"	"	

Sample Identification
"1 Compressor 260 2 of 4
B25384-04

Client Project #	Matrix	Collection Date/Time	Received
09007	Wipe	08-Mar-11 09:00	09-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	09-Mar-11	09-Mar-11	IMR	1104106	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.18	J	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.12	J	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	52			30-150 %			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	54			30-150 %			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	62			30-150 %			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	55			30-150 %			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
#1 Compressor 750 SB25384-05	09007	Wipe	08-Mar-11 09:00	09-Mar-11

No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	09-Mar-11	09-Mar-11	IMR	1104106	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	55			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	42			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	64			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	64			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Compressor 260 Ext SB25384-06	09007	Wipe	08-Mar-11 09:00	09-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	09-Mar-11	09-Mar-11	IMR	1104106	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.94		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.96		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	56			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	60			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	66			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	54			*30-150 %*			"	"	"	"	"	

MAXYMILLIAN Technologies
1601 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Rosedale Filter Skid

Number of samples taken from equipment. 2

Location of samples taken: Interior / Exterior

Applicable wipe sample results pass Yes ✓ No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ____

Laboratory report attached Yes ✓ No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ____ No ____ n/A

SES inspected this/these items and has also seen the analytical report. Yes X No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name 4/25/11

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Rosedale Filter

EQUIPMENT NUMBER:

DATE DECONTAMINATED: 4/13/11

PROCEDURE USED/ Items of Note:

Equipment was used in the water treatment process. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Frank Loppolis/Brian Smith

Corey Jones (Site Safety Health Officer)	Signature

Report Date:
18-Apr-11 12:00

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB27089-01	Trip Blank	Wipe	14-Apr-11 15:45	15-Apr-11 10:15
SB27089-02	Rosedale Skid Int	Wipe	14-Apr-11 15:45	15-Apr-11 10:15
SB27089-03	Rosedale Skid Ext	Wipe	14-Apr-11 15:45	15-Apr-11 10:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 7 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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CASE NARRATIVE:

The samples were received 15.5 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB27089-01	09007	Wipe	14-Apr-11 15:45	15-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	15-Apr-11	15-Apr-11	IMR	1106752	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	73			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	82			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	74			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	82			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Rosedale Skid Int SB27089-02	09007	Wipe	14-Apr-11 15:45	15-Apr-11

.S No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	15-Apr-11	15-Apr-11	IMR	1106752	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	2.88		µg/Wipe	0.20	0.07	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	1.78		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	76			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	92			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	72			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	88			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Rosedale Skid Ext SB27089-03	09007	Wipe	14-Apr-11 15:45	15-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	15-Apr-11	15-Apr-11	IMR	1106752	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	8.11		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	7.03		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	86			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	84			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	92			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	88			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1106752 - SW846 3550B/C										
Blank (1106752-BLK1)					Prepared & Analyzed: 15-Apr-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.173*		µg/Wipe		*0.200*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.196*		µg/Wipe		*0.200*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.204*		µg/Wipe		*0.200*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.225*		µg/Wipe		*0.200*		*113*	*30-150*		
LCS (1106752-BS1)					Prepared & Analyzed: 15-Apr-11					
Aroclor-1016	2.12		µg/Wipe	0.08	2.50		85	50-140		
Aroclor-1016 [2C]	2.32		µg/Wipe	0.10	2.50		93	50-140		
Aroclor-1260	2.16		µg/Wipe	0.10	2.50		86	50-140		
Aroclor-1260 [2C]	2.27		µg/Wipe	0.08	2.50		91	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.191*		µg/Wipe		*0.200*		*96*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.200*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.236*		µg/Wipe		*0.200*		*118*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.256*		µg/Wipe		*0.200*		*128*	*30-150*		
LCS Dup (1106752-BSD1)					Prepared & Analyzed: 15-Apr-11					
Aroclor-1016	2.20		µg/Wipe	0.08	2.50		88	50-140	4	30
Aroclor-1016 [2C]	2.33		µg/Wipe	0.10	2.50		93	50-140	0.6	30
Aroclor-1260	2.17		µg/Wipe	0.10	2.50		87	50-140	0.5	30
Aroclor-1260 [2C]	2.18		µg/Wipe	0.08	2.50		87	50-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.196*		µg/Wipe		*0.200*		*98*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.199*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.215*		µg/Wipe		*0.200*		*108*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.231*		µg/Wipe		*0.200*		*116*	*30-150*		

Notes and Definitions

U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB 27089

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TAT's subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:
ASAP

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 3550C PCB
27089-01	Trip Blank	4/14/2011	1545	G	X2	1				X
-02	Rosedale Skid Int	4/14/2011	1545	G	X2	1				X
-03	Rosedale Skid Int EXT	4/14/2011	1545	G	X2	1				X

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[illegible] FedEx	[signature]	4/15/11	1015	15.5

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From: (908) 834-2145 Origin ID: LDJA
Robyn Darrow
MAXYMILLIAN TECHNOLOGIES
333 Hamilton Blvd

South Plainfield, NJ 07080

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Delivery Address Bar Code

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AGAWAM, MA 01001

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Report Date:
21-Apr-11 11:25

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB27301-01	Trip	Wipe	19-Apr-11 13:00	20-Apr-11 10:30
SB27301-02	Extec - Ext	Wipe	19-Apr-11 13:00	20-Apr-11 10:30
SB27301-03	Rosedale - Ext retake	Wipe	19-Apr-11 13:00	20-Apr-11 10:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 7 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip	09007	Wipe	19-Apr-11 13:00	20-Apr-11
SB27301-01				

No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	20-Apr-11	20-Apr-11	IMR	1107073	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	44			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	50			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	46			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	48			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Rosedale - Ext Retake SB27301-03	09007	Wipe	19-Apr-11 13:00	20-Apr-11

Id.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	20-Apr-11	20-Apr-11	IMR	1107073	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	1.45		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	2.16		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	35			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	38			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	41			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	40			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1107073 - SW846 3550B/C										
Blank (1107073-BLK1)					Prepared & Analyzed: 20-Apr-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.175*		µg/Wipe		*0.200*		*88*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.196*		µg/Wipe		*0.200*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.212*		µg/Wipe		*0.200*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.226*		µg/Wipe		*0.200*		*113*	*30-150*		
LCS (1107073-BS1)					Prepared & Analyzed: 20-Apr-11					
Aroclor-1016	2.15		µg/Wipe	0.08	2.50		86	50-140		
Aroclor-1016 [2C]	2.16		µg/Wipe	0.10	2.50		86	50-140		
Aroclor-1260	2.07		µg/Wipe	0.10	2.50		83	50-140		
Aroclor-1260 [2C]	1.99		µg/Wipe	0.08	2.50		79	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.176*		µg/Wipe		*0.200*		*88*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.197*		µg/Wipe		*0.200*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.168*		µg/Wipe		*0.200*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.187*		µg/Wipe		*0.200*		*94*	*30-150*		
LCS Dup (1107073-BSD1)					Prepared & Analyzed: 20-Apr-11					
Aroclor-1016	2.23		µg/Wipe	0.08	2.50		89	50-140	4	30
Aroclor-1016 [2C]	2.20		µg/Wipe	0.10	2.50		88	50-140	2	30
Aroclor-1260	2.09		µg/Wipe	0.10	2.50		83	50-140	0.6	30
Aroclor-1260 [2C]	2.08		µg/Wipe	0.08	2.50		83	50-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.184*		µg/Wipe		*0.200*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.187*		µg/Wipe		*0.200*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.170*		µg/Wipe		*0.200*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.184*		µg/Wipe		*0.200*		*92*	*30-150*		

Notes and Definitions

U	Analyte included in the analysis, but not detected
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BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
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RPD	Relative Percent Difference

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Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor

SB27301 Bm

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 1 of 1

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- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TAT's subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Deionized Water 10= ICE 11 Hexane

List preservative code below: 11

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 3550C PCB
27301	Trip	4/19/2011	1300	G	X2	1				X
02	Entec - Ent	4/19/2011	1300	G	X2	1				X
03	Rosedale - Ent	4/19/2011	1300	G	X2	1				X

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards: ASAP

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JSMITH@MAXYMILLIAN.COM

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Mailed

From: (908) 834-2148
Robyn Darrow
MAXYMILLIAN TECHNOLOGIES
333 Hamilton Blvd

South Plainfield, NJ 07080

Origin ID: LDJA

Ship Date: 19APR11
ActWgt: 2.0 LB
CAD: 10148331/INET3130

Delivery Address Bar Code

SHIP TO: (413) 789-9018
BILL SENDER

Spectrum Analytical
Spectrum Analytical
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AGAWAM, MA 01001

Ref#
Invoice #
PO #
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MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Frac Tank # 1

Number of samples taken from equipment. 2

Location of samples taken: Interior / Exterior

Applicable wipe sample results pass Yes ✓ No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ____

Laboratory report attached Yes ✓ No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ✓ No ____

SES inspected this/these items and has also seen the analytical report. Yes X No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name [signature] 4/25/11

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

April 18, 2011

Kim Lickfield
Project Manager
Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14305

Dear Mr. Lickfield:

As outlined in Maxymillian Technologies' Demobilization Plan for the LTTD unit from the Cornell Dubilier Superfund Site, we are providing notification of LTTD components that do not meet the decontamination verification sampling criteria listed in the Plan.

LTTD COMPONENT	WIPE SAMPLE RESULT
Frac Tank #1 - Interior	532 ug/100 cm^2

The above listed component(s) have elevated levels of PCBs above the 40 CFR 761.76 standard and will continue to be used exclusively with the LTTD unit at PCB contaminated sites until such time as they are properly decontaminated, scrapped or disposed.

Very truly yours,

MAXYMILLIAN TECHNOLOGIES, INC.

John B. Anthony
Senior Vice President

cc: File

f/ rs/CDE/Decon Letter 4

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Frac Tank

EQUIPMENT NUMBER: 1

DATE DECONTAMINATED: 3/14/11

PROCEDURE USED/ Items of Note:

Equipment was used to store contaminated water from the IDS process. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Leo Charles/Bill Riley/Tim Dargie

Corey Jones	
(Site Safety Health Officer)	Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
18-Apr-11 11:54

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB27087-01	Frac Tank MT 1 Ext	Wipe	13-Apr-11 15:00	15-Apr-11 10:15
SB27087-02	Frac Tank MT 1 Int	Wipe	13-Apr-11 15:00	15-Apr-11 10:15
SB27087-03	Trip Blank	Wipe	13-Apr-11 15:00	15-Apr-11 10:15
SB27087-04	FB Structural Beam #1	Wipe	13-Apr-11 15:00	15-Apr-11 10:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 8 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 13.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB27087-02 *Frac Tank MT 1 Int*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248 [2C]
Aroclor-1254 [2C]

SB27087-02RE1 *Frac Tank MT 1 Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
~~Frac Tank MT-1 Ext~~	09007	Wipe	13-Apr-11 15:00	15-Apr-11
SB27087-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	15-Apr-11	15-Apr-11	IMR	1105752	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	2.00		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	3.60		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	67			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	75			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	72			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	83			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Frac Tank MT 1 Int SB27087-02	09007	Wipe	13-Apr-11 15:00	15-Apr-11

No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	15-Apr-11	15-Apr-11	IMR	1106752	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	380	E	µg/Wipe	0.20	0.07	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	144	E	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	34			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	62			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	70			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	53			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	4.00	1.56	20	SW846 8082A	15-Apr-11	18-Apr-11	IMR	1106752	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	4.00	2.22	20	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	4.00	2.59	20	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	4.00	1.77	20	"	"	"	"	"	
12672-29-6	Aroclor-1248	340		µg/Wipe	4.00	1.13	20	"	"	"	"	"	
11097-69-1	Aroclor-1254	192		µg/Wipe	4.00	1.57	20	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	4.00	1.91	20	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	4.00	1.85	20	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	4.00	1.55	20	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	60			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	130			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	70			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	40			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB27087-03	09007	Wipe	13-Apr-11 15:00	15-Apr-11

S No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	15-Apr-11	15-Apr-11	IMR	1106752	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	69			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	78			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	78			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	86			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1106752 - SW846 3550B/C										
Blank (1106752-BLK1)					Prepared & Analyzed: 15-Apr-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.173*		µg/Wipe		*0.200*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.196*		µg/Wipe		*0.200*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.204*		µg/Wipe		*0.200*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.225*		µg/Wipe		*0.200*		*113*	*30-150*		
LCS (1106752-BS1)					Prepared & Analyzed: 15-Apr-11					
Aroclor-1016	2.12		µg/Wipe	0.08	2.50		85	50-140		
Aroclor-1016 [2C]	2.32		µg/Wipe	0.10	2.50		93	50-140		
Aroclor-1260	2.16		µg/Wipe	0.10	2.50		86	50-140		
Aroclor-1260 [2C]	2.27		µg/Wipe	0.08	2.50		91	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.191*		µg/Wipe		*0.200*		*96*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.200*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.236*		µg/Wipe		*0.200*		*118*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.256*		µg/Wipe		*0.200*		*128*	*30-150*		
LCS Dup (1106752-BSD1)					Prepared & Analyzed: 15-Apr-11					
Aroclor-1016	2.20		µg/Wipe	0.08	2.50		88	50-140	4	30
Aroclor-1016 [2C]	2.33		µg/Wipe	0.10	2.50		93	50-140	0.6	30
Aroclor-1260	2.17		µg/Wipe	0.10	2.50		87	50-140	0.5	30
Aroclor-1260 [2C]	2.18		µg/Wipe	0.08	2.50		87	50-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.196*		µg/Wipe		*0.200*		*98*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.199*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.215*		µg/Wipe		*0.200*		*108*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.231*		µg/Wipe		*0.200*		*116*	*30-150*		

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB 27087

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

List preservative code below: 11

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			3550C PCB							State-specific reporting standards:
27687-01	Frac Tank MT 1 Ext	4/13/2011	1500	G	X2	1						X							ASAP
02	Frac Tank MT 1 Int	4/13/2011	1500	G	X2	1						X							↓
03	Trip Blank	4/13/2011	1500	G	X2	1						X							↓
04	FB Structural Beam #1	4/13/2011	1500	G	X2	1						X							↓

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature] ICE	[signature]	4/15/11	1015	13.9

☐ EDD Format
☒ E-mail to RSIMMONS@MAXYMILLIAN.COM
JSMITH@MAXYMILLIAN.COM

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

mc/tcd

From: (908) 834-2148
Robyn Darrow
MAXYMILLIAN TECHNOLOGIES
333 Hamilton Blvd

South Plainfield, NJ 07080

Origin ID: LDJA

FedEx Express

Ship Date: 14APR11
ActWgt: 2.0 LB
CAD: 101453311/INET3130

Delivery Address Bar Code

SHIP TO: (413) 789-9018
Spectrum Analytieal
Spectrum Analytical
11 ALMGREN DR/

AGAWAM, MA 01001

BILL SENDER

Ref #
Invoice #
PO #
Dept #

FRI - 15 APR A2
STANDARD OVERNIGHT

TRK# 0201 7946 4988 4656

ZB EHTA

01001
MA-US
BDL

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

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MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Extec

Number of samples taken from equipment. 2

Location of samples taken: Interior / Exterior

Applicable wipe sample results pass Yes X No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ____

Laboratory report attached Yes Y No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes X No ____

SES inspected this/these items and has also seen the analytical report. Yes X No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79.

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name [signature] 4/25/11

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Extec

EQUIPMENT NUMBER:

DATE DECONTAMINATED: 4/14/11

PROCEDURE USED/ Items of Note:

Equipment was used in the LTTD process for contaminated soil feed. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Frank Loppolis/Brian Smith

Corey Jones (Site Safety Health Officer)	Signature

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

April 20, 2011

Kim Lickfield
Project Manager
Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14305

Dear Mr. Lickfield:

As outlined in Maxymillian Technologies' Demobilization Plan for the LTTD unit from the Cornell Dubilier Superfund Site, we are providing notification of LTTD components that do not meet the decontamination verification sampling criteria listed in the Plan.

LTTD COMPONENT	WIPE SAMPLE RESULT
Extec #8 - Interior	10.46 ug/100 cm^2

The above listed component(s) have elevated levels of PCBs above the 40 CFR 761.76 standard and will continue to be used exclusively with the LTTD unit at PCB contaminated sites until such time as they are properly decontaminated, scrapped or disposed.

Very truly yours,

MAXYMILLIAN TECHNOLOGIES, INC.

John B. Anthony
Senior Vice President

cc: File

jf rs/CDE/Decon Letter 5

Report Date:
19-Apr-11 13:37

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB27157-01	Extec Int	Wipe	15-Apr-11 08:00	16-Apr-11 11:58
SB27157-02	Extec Ext	Wipe	15-Apr-11 08:00	16-Apr-11 11:58
SB27157-03	Frac Tank MT 2 Ext	Wipe	15-Apr-11 08:00	16-Apr-11 11:58
SB27157-04	Frac Tank MT 2 Int	Wipe	15-Apr-11 08:00	16-Apr-11 11:58
SB27157-05	Trip Blank	Wipe	15-Apr-11 08:00	16-Apr-11 11:58

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 9 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 4.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB27157-04 *Frac Tank MT 2 Int*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248 [2C]
Aroclor-1254 [2C]

SB27157-04RE1 *Frac Tank MT 2 Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Extec Int SB27157-01	09007	Wipe	15-Apr-11 08:00	16-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	18-Apr-11	18-Apr-11	IMR	1106838	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	2.64		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	7.82		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	42			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	47			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	38			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	42			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Extec Ext SB27157-02	09007	Wipe	15-Apr-11 08:00	16-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	18-Apr-11	18-Apr-11	IMR	1106838	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	3.86		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	6.30		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	129			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	142			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	140			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	125			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank B27157-05	09007	Wipe	15-Apr-11 08:00	16-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	18-Apr-11	19-Apr-11	IMR	1106838	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	86			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	103			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	104			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	88			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1106838 - SW846 3550B/C										
Blank (1106838-BLK1)						Prepared & Analyzed: 18-Apr-11				
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.174*		µg/Wipe		*0.200*		*87*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.202*		µg/Wipe		*0.200*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.185*		µg/Wipe		*0.200*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.197*		µg/Wipe		*0.200*		*98*	*30-150*		
LCS (1106838-BS1)						Prepared & Analyzed: 18-Apr-11				
Aroclor-1016	2.31		µg/Wipe	0.08	2.50		92	50-140		
Aroclor-1016 [2C]	2.38		µg/Wipe	0.10	2.50		95	50-140		
Aroclor-1260	2.22		µg/Wipe	0.10	2.50		89	50-140		
Aroclor-1260 [2C]	2.20		µg/Wipe	0.08	2.50		88	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.181*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.194*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.183*		µg/Wipe		*0.200*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.202*		µg/Wipe		*0.200*		*101*	*30-150*		
LCS Dup (1106838-BSD1)						Prepared & Analyzed: 18-Apr-11				
Aroclor-1016	2.30		µg/Wipe	0.08	2.50		92	50-140	0.6	30
Aroclor-1016 [2C]	2.39		µg/Wipe	0.10	2.50		96	50-140	0.4	30
Aroclor-1260	2.21		µg/Wipe	0.10	2.50		88	50-140	0.3	30
Aroclor-1260 [2C]	2.13		µg/Wipe	0.08	2.50		85	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.186*		µg/Wipe		*0.200*		*93*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.194*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.180*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.183*		µg/Wipe		*0.200*		*92*	*30-150*		

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Rebecca Merz

SB 27157

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page ____ of ____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
  - All TATs subject to laboratory approval.
  - Min. 24-hour notification needed for rushes.
  - Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXY Millian Technologies
1801 East St
Pittsfield, MA 01201

Telephone #: 913 499 3050
Project Mgr. J. Smith

Invoice To: MAXY Millian Technologies
1801 East St
Pittsfield, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDF
Location: S. Plainfield State: NJ
Sampler(s): Corey Jones

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= Hexane 11=

List preservative code below: 10

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Wipe X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	3550c Ext Pcbs								
27157-01	Extec Int	4/15/11	0800	G	X1	1				✓								
02	Extec Ext	4/15/11	0800	G	X1	1				✓								
03	Fractank MT2 Ext	4/15/11	0800	G	X1	1				✓								
04	Fractank MT2 Int	4/15/11	0800	G	X1	1				✓								
05	Trip Blank	4/15/11	0800	G	X1	1				✓								

Containers: Analyses:

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

per project Hisby

Relinquished by:	Received by:	Date:	Time:	Temp °C
Corey A. Jones	[signature]			4/2
[signature]	[signature]	4/16/11	1158	4/2

☐ EDD Format _____
☐ E-mail to _____

☐ Ambient ☑ Iced ☐ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

FedEx Express

SDR

FedEx® Saturday Delivery

161967 REV 10/04 MWI

FedEx Express US

0342

Recipient's Copy

1 From This portion can be removed for recipient's records.

Date

FedEx Tracking Number 867120500342

Sender's Name

Phone

Company

Address

City

State

ZIP

2 Your Internal Billing Reference

3 To

Recipient's Name

Phone

Company

Recipient's Address

Address

City

State

ZIP

11

ATMGREN

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3339

4a Express Package Service

Packages up to 150 lbs.

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FedEx Standard Overnight

FedEx First Overnight

FedEx 2Day

FedEx Express Saver

4b Express Freight Service

Packages over 150 lbs.

FedEx 1Day Freight*

FedEx 2Day Freight

FedEx 3Day Freight

5 Packaging

FedEx Envelope*

FedEx Pak*

FedEx Box

FedEx Tube

Other

6 Special Handling

SATURDAY Delivery

HOLD Weekday at FedEx Location

HOLD Saturday at FedEx Location

No

Yes

Dry Ice

Cargo Aircraft Only

7 Payment Bill to

Sender

Recipient

Third Party

Credit Card

Cash/Check

Total Packages

Total Weight

Delivery Signature Options

Direct Signature

Indirect Signature

519

FedEx Express

SDR

Saturday Delivery

161967 REV 10/04 MWI

Report Date:
21-Apr-11 11:25

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB27301-01	Trip	Wipe	19-Apr-11 13:00	20-Apr-11 10:30
SB27301-02	Extec - Ext retake	Wipe	19-Apr-11 13:00	20-Apr-11 10:30
SB27301-03	Rosedale - Ext	Wipe	19-Apr-11 13:00	20-Apr-11 10:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 7 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 7.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip SB27301-01	09007	Wipe	19-Apr-11 13:00	20-Apr-11

No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	20-Apr-11	20-Apr-11	IMR	1107073	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	44			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	50			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	46			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	48			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
~~Extec-Ext~~ Retake	09007	Wipe	19-Apr-11 13:00	20-Apr-11
SB27301-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	20-Apr-11	20-Apr-11	IMR	1107073	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	54			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	60			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	60			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	66			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1107073 - SW846 3550B/C										
Blank (1107073-BLK1)					Prepared & Analyzed: 20-Apr-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.175*		µg/Wipe		*0.200*		*88*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.196*		µg/Wipe		*0.200*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.212*		µg/Wipe		*0.200*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.226*		µg/Wipe		*0.200*		*113*	*30-150*		
LCS (1107073-BS1)					Prepared & Analyzed: 20-Apr-11					
Aroclor-1016	2.15		µg/Wipe	0.08	2.50		86	50-140		
Aroclor-1016 [2C]	2.16		µg/Wipe	0.10	2.50		86	50-140		
Aroclor-1260	2.07		µg/Wipe	0.10	2.50		83	50-140		
Aroclor-1260 [2C]	1.99		µg/Wipe	0.08	2.50		79	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.176*		µg/Wipe		*0.200*		*88*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.197*		µg/Wipe		*0.200*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.168*		µg/Wipe		*0.200*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.187*		µg/Wipe		*0.200*		*94*	*30-150*		
LCS Dup (1107073-BSD1)					Prepared & Analyzed: 20-Apr-11					
Aroclor-1016	2.23		µg/Wipe	0.08	2.50		89	50-140	4	30
Aroclor-1016 [2C]	2.20		µg/Wipe	0.10	2.50		88	50-140	2	30
Aroclor-1260	2.09		µg/Wipe	0.10	2.50		83	50-140	0.6	30
Aroclor-1260 [2C]	2.08		µg/Wipe	0.08	2.50		83	50-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.184*		µg/Wipe		*0.200*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.187*		µg/Wipe		*0.200*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.170*		µg/Wipe		*0.200*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.184*		µg/Wipe		*0.200*		*92*	*30-150*		

Notes and Definitions

U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor

SB27301 Rm

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Deionized Water 10= ICE 11= Hexane

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

Containers: # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic

Analyses: 3550C PCB

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards: ASAP

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	3550C PCB
27301-01	Trip	4/19/2011	1300	G	X2	1				X
-02	Extec - Ext	4/19/2011	1300	G	X2	1				X
-03	Rosedale - Ext	4/19/2011	1300	G	X2	1				X

Relinquished by:	Received by:	Date:	Time:	Temp°C
		4/20/11	10:30	7.9

☐ EDD Format
☒ E-mail to RSIMMONS@MAXYMILLIAN.COM
JSMITH@MAXYMILLIAN.COM

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

Melted

Revised July 2010

From: (908) 834-2148
Robyn Darrow
MAXYMILLIAN TECHNOLOGIES
333 Hamilton Blvd

South Plainfield, NJ 07080

Origin ID: LDJA

Ship Date: 19APR11
ActWgt: 2.0 LB
CAD: 10148331/INET3130

Delivery Address Bar Code

SHIP TO: (413) 789-9018
Spectrum Analytical
Spectrum Analytical
11 ALMGREN DR

AGAWAM, MA 01001

BILL SENDER

Ref #
Invoice #
PO #
Dept #

WED - 20 APR A2
PRIORITY OVERNIGHT

TRK# 7946 6793 2890
0201

ZB EHTA

01001
MA-US
BDL

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Feed Building Air Handler Fan / Stack

Number of samples taken from equipment. n/A

Location of samples taken: n/A

Applicable wipe sample results pass Yes ___ No ___ n/A
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ___

Laboratory report attached Yes ___ No ___ n/A

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ___ No ___ n/A

SES inspected this/these items~~, and has also seen the analytical report~~. Yes X No ___

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name

9/18/11

FC2

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Feed Building Air Handler Motor/Stack

EQUIPMENT NUMBER: N/A

DATE DECONTAMINATED: 3/21/11

PROCEDURE USED/ Items of Note:

Equipment was used as exhaust for feed building . Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. ~~Wipe sample results are attached.~~ N/A

Decontamination Personnel: Oscar Bozarth/Leo Charles

Corey Jones (Site Safety Health Officer)	 Signature

HM:HEALTH\CORP\FORMS\CERTDECN

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

#176997-HO-2

Description of or Equipment # Water Treatment Air Handler Fan

Number of samples taken from equipment. n/A

Location of samples taken: n/A

Applicable wipe sample results pass Yes ___ No ___ n/A
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ___

Laboratory report attached Yes ___ No ___ n/A

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ___ No ___ n/A

SES inspected this/these items ~~and has also seen the analytical report~~. Yes X No ___

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Water Treatment Building Air Handler Motor/Stack

EQUIPMENT NUMBER: N/A

DATE DECONTAMINATED: 3/21/11

PROCEDURE USED/ Items of Note:

Equipment was used as exhaust for water treatment building . Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. ~~Wipe sample results are attached.~~ N/A

Decontamination Personnel: Oscar Bozarth/Leo Charles

Corey Jones (Site Safety Health Officer)	Signature

HM:HEALTH\CORP\FORMS\CERTDECN

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Quench Tof

Number of samples taken from equipment. 2

Location of samples taken: Interior / Exterior

Applicable wipe sample results pass Yes X No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ____

Laboratory report attached Yes X No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes X No ____

SES inspected this/these items and has also seen the analytical report. Yes X No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name 4/15/11

fcf

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Quench Tap

Number of samples taken from equipment. 2

Location of samples taken: Exterior / Interior

Wipe sample results pass <10ug/wipe
See attached lab — Yes [X] No [ ]
Int. Sample results on p. 13 of 19, (Did not pass).
Ext. Sample results on p. 3 of 8, (pass).

Visible inspection pass — Yes [ ] No [ ]

Laboratory report attached — Yes [X] No [ ]

SES inspected this/these items and has also seen the analytical report. Yes [ ] No [ ]

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name _____ Sign Name _____

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

March 29, 2011

Kim Lickfield
Project Manager
Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14305

Dear Mr. Lickfield:

As outlined in Maxymillian Technologies' Demobilization Plan for the LTTD unit from the Cornell Dubilier Superfund Site, we are providing notification of LTTD components that do not meet the decontamination verification sampling criteria listed in the Plan.

LTTD COMPONENT	WIPE SAMPLE RESULT
Frac Tank #3 – Interior	1379 ug/100 cm^2
Frac Tank #67 (#2) - Interior	105.9 ug/100 cm^2
Feed Pugmill #1 – Interior	11.44 ug/100 cm^2
Quench Top #1 - Interior	2640 ug/100 cm^2
Condenser #1 – Interior	337 ug/100 cm^2
Condenser #2 - Interior	276 ug/100 cm^2

The above listed components have elevated levels of PCBs above the 40 CFR 761.76 standard and will continue to be used exclusively with the LTTD unit at PCB contaminated sites until such time as they are properly decontaminated, scrapped or disposed.

Very truly yours,

MAXYMILLIAN TECHNOLOGIES, INC.

John B. Anthony
Senior Vice President

cc: File

f/ rs/CDE/Decon Letter

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Quench Top

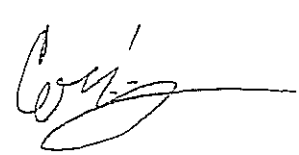
EQUIPMENT NUMBER:

DATE DECONTAMINATED: 3/7/11

PROCEDURE USED/ Items of Note:

Equipment was used to in the LTTD process. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Leo Charles/Oscar Bozarth

Corey Jones (Site Safety Health Officer)	 Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
25-Mar-11 14:28

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site/ S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26044-01	Quench Top Ext	Wipe	23-Mar-11 08:30	24-Mar-11 10:00
SB26044-02	Water Cooler Ext	Wipe	23-Mar-11 08:30	24-Mar-11 10:00
SB26044-03	Condenser 1 Ext	Wipe	23-Mar-11 08:30	24-Mar-11 10:00
SB26044-04	Combustion Fan Ext	Wipe	23-Mar-11 08:30	24-Mar-11 10:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED NJ LABORATORY

Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 8 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 7.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

S102230-CCV2

Analyte percent difference is outside individual acceptance criteria (15), but within overall method allowances.

Aroclor-1260 (1) [2C] (15.4%)

This affected the following samples:

1105123-BLK1
Combustion Fan Ext
Condenser 1 Ext
Quench Top Ext
Water Cooler Ext

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Quench Top Ext SB26044-01	09007	Wipe	23-Mar-11 08:30	24-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed		
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B/C												
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]						
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]						
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]						
11097-69-1	Aroclor-1254	0.58		µg/Wipe	0.20	0.06	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	76			*30-150 %*			"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	67			*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	67			*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	77			*30-150 %*			"	"	"	"	"

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105123 - SW846 3550B/C										
Blank (1105123-BLK1)					Prepared: 24-Mar-11 Analyzed: 25-Mar-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.240*		µg/Wipe		*0.200*		*120*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.197*		µg/Wipe		*0.200*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.218*		µg/Wipe		*0.200*		*109*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.195*		µg/Wipe		*0.200*		*97*	*30-150*		
LCS (1105123-BS1)					Prepared: 24-Mar-11 Analyzed: 25-Mar-11					
Aroclor-1016	2.21		µg/Wipe	0.08	2.50		88	50-140		
Aroclor-1016 [2C]	2.34		µg/Wipe	0.10	2.50		94	50-140		
Aroclor-1260	2.34		µg/Wipe	0.10	2.50		94	50-140		
Aroclor-1260 [2C]	2.57		µg/Wipe	0.08	2.50		103	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.227*		µg/Wipe		*0.200*		*114*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.200*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.227*		µg/Wipe		*0.200*		*114*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.195*		µg/Wipe		*0.200*		*97*	*30-150*		
LCS Dup (1105123-BSD1)					Prepared: 24-Mar-11 Analyzed: 25-Mar-11					
Aroclor-1016	2.29		µg/Wipe	0.08	2.50		92	50-140	3	30
Aroclor-1016 [2C]	2.43		µg/Wipe	0.10	2.50		97	50-140	4	30
Aroclor-1260	2.33		µg/Wipe	0.10	2.50		93	50-140	4	30
Aroclor-1260 [2C]	2.61		µg/Wipe	0.08	2.50		104	50-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.234*		µg/Wipe		*0.200*		*117*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.236*		µg/Wipe		*0.200*		*118*	*30-150*		

Notes and Definitions

J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB 2-6044 EM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

List preservative code below: 10 11

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards: ASAP

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		3550C PCB	3550C PCB						
2-6044-01	Quench Top Ext	3/23/2011	0830	G	X2	1						X						
02	Water Cooler Ext	3/23/2011	0830	G	X2	1						X						
03	Condenser 1 Ext	3/23/2011	0830	G	X2	1						X						
04	Combustion Fan Ext	3/23/2011	0830	G	X2	1						X						

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	Fedex			
Fedex	[signature]	3/24/11	10:00	7.2

☐ EDD Format
☒ E-mail to RSIMMONS@MAXYMILLIAN.COM
JSMITH@MAXYMILLIAN.COM

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

Melted

From: (908) 834-2146 Origin ID: LDJA
Robyn Darrow
MAXYMILLIAN TECHNOLOGIES
333 Hamilton Blvd

South Plainfield, NJ 07080

J1151102250225

Ship Date: 23MAR11
ActWgt: 3.0 LB
CAD: 101483311/INET3130

Delivery Address Bar Code

SHIP TO: (413) 789-9018 BILL SENDER
Spectrum Analytical
Spectrum Analytical
11 ALMGREN DR

AGAWAM, MA 01001

Ref #
Invoice #
PO #
Dept #

THU - 24 MAR A2
PRIORITY OVERNIGHT

TRK# 7945 6310 2007
0201

ZB EHTA

01001
MA-US
BDL

500G2/6DD9/7EF9

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Report Date:
17-Mar-11 14:08

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB25665-01	Blank	Wipe	15-Mar-11 10:30	16-Mar-11 10:00
SB25665-02	condenser 1 Int	Wipe	15-Mar-11 11:00	16-Mar-11 10:00
SB25665-03	condenser 1 Ext	Wipe	15-Mar-11 11:00	16-Mar-11 10:00
SB25665-04	condenser 2 Int	Wipe	15-Mar-11 11:00	16-Mar-11 10:00
SB25665-05	condenser 2 Ext	Wipe	15-Mar-11 11:00	16-Mar-11 10:00
SB25665-06	Calciner 1	Wipe	15-Mar-11 10:30	16-Mar-11 10:00
SB25665-07	Calciner 2	Wipe	15-Mar-11 10:30	16-Mar-11 10:00
SB25665-08	Calciner 3	Wipe	15-Mar-11 10:30	16-Mar-11 10:00
SB25665-09	Silo Fan	Wipe	15-Mar-11 14:30	16-Mar-11 10:00
SB25665-10	Quench Top Int	Wipe	15-Mar-11 15:00	16-Mar-11 10:00
SB25665-11	Quench Top Ext	Wipe	15-Mar-11 15:00	16-Mar-11 10:00
SB25665-12	Water Cooler	Wipe	15-Mar-11 14:00	16-Mar-11 10:00
SB25665-13	Chiller	Wipe	15-Mar-11 11:30	16-Mar-11 10:00
SB25665-14	Comb Air Fan	Wipe	15-Mar-11 14:30	16-Mar-11 10:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 19 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 12.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB25665-02 *condenser 1 Int*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248 [2C]
Aroclor-1254 [2C]

SB25665-04 *condenser 2 Int*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248 [2C]
Aroclor-1254

SB25665-10 *Quench Top Int*

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
condenser 1 Int	09007	Wipe	15-Mar-11 11:00	16-Mar-11
SB25665-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.06	1	SW846 8082A	16-Mar-11	16-Mar-11	IMR	1104535	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	170	E	µg/Wipe	0.20	0.07	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	102	E	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	46			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	102			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	95			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	68			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	4.00	1.56	20	SW846 8082A	16-Mar-11	17-Mar-11	IMR	1104535	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	4.00	2.22	20	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	4.00	2.59	20	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	4.00	1.77	20	"	"	"	"	"	
12672-29-6	Aroclor-1248	214		µg/Wipe	4.00	1.35	20	"	"	"	"	"	
11097-69-1	Aroclor-1254	123		µg/Wipe	4.00	1.57	20	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	4.00	1.91	20	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	4.00	1.85	20	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	4.00	1.55	20	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	70			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	140			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	90			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	90			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
condenser 2 Int SB25665-04	09007	Wipe	15-Mar-11 11:00	16-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 **Prepared by method SW846 3550B/C**													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	16-Mar-11	16-Mar-11	IMR	1104535	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	160	E	µg/Wipe	0.20	0.07	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	48.7	E	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	38			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	98			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	64			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	62			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 **Prepared by method SW846 3550B/C**													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	4.00	1.56	20	SW846 8082A	16-Mar-11	17-Mar-11	IMR	1104535	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	4.00	2.22	20	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	4.00	2.59	20	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	4.00	1.77	20	"	"	"	"	"	
12672-29-6	Aroclor-1248	211		µg/Wipe	4.00	1.35	20	"	"	"	"	"	
11097-69-1	Aroclor-1254	65.0		µg/Wipe	4.00	1.57	20	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	4.00	1.91	20	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	4.00	1.85	20	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	4.00	1.55	20	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	60			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	120			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	120			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	110			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1104535 - SW846 3550B/C										
Blank (1104535-BLK1)					Prepared & Analyzed: 16-Mar-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.179*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.195*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.229*		µg/Wipe		*0.200*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.216*		µg/Wipe		*0.200*		*108*	*30-150*		
LCS (1104535-BS1)					Prepared & Analyzed: 16-Mar-11					
Aroclor-1016	2.07		µg/Wipe	0.08	2.50		83	50-140		
Aroclor-1016 [2C]	2.22		µg/Wipe	0.10	2.50		89	50-140		
Aroclor-1260	2.14		µg/Wipe	0.10	2.50		86	50-140		
Aroclor-1260 [2C]	1.84		µg/Wipe	0.08	2.50		74	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.181*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.194*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.230*		µg/Wipe		*0.200*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.221*		µg/Wipe		*0.200*		*111*	*30-150*		
LCS Dup (1104535-BSD1)					Prepared & Analyzed: 16-Mar-11					
Aroclor-1016	2.08		µg/Wipe	0.08	2.50		83	50-140	0.6	30
Aroclor-1016 [2C]	2.22		µg/Wipe	0.10	2.50		89	50-140	0.1	30
Aroclor-1260	2.14		µg/Wipe	0.10	2.50		86	50-140	0	30
Aroclor-1260 [2C]	1.90		µg/Wipe	0.08	2.50		76	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.181*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.196*		µg/Wipe		*0.200*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.230*		µg/Wipe		*0.200*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.237*		µg/Wipe		*0.200*		*119*	*30-150*		

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Nicole Leja

SB 25665

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Deionized Water 10= ICE 11= Hexane

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 3550C PCB
25665-01	Blank	3/15/2011	1030	G	X2	1				X
-02	Condenser 1 Int	3/15/2011	1100	G	X2	1				X
-03	Condenser 1 Ext	3/15/2011	1100	G	X2	1				X
-04	Condenser 2 Int	3/15/2011	1100	G	X2	1				X
-05	Condenser 2 Ext	3/15/2011	1100	G	X2	1				X
-06	Calciner 1	3/15/2011	1030	G	X2	1				X
-07	Calciner 2	3/15/2011	1030	G	X2	1				X
-08	Calciner 3	3/15/2011	1030	G	X2	1				X
-09	Silo Fan	3/15/2011	1430	G	X2	1				X

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards: ASAP

Relinquished by:	Received by:	Date:	Time:	Temp°C
		3/16/11	1000	12.9

☐ EDD Format
☒ E-mail to RSIMMONS@MAXYMILLIAN.COM

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

25665

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= ICE 11= Hexane

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 3550C PCB
25665-10	Quench Top Int	3/15/2011	1500	G	X2	1				X
-11	Quench Top Ext	3/15/2011	1500	G	X2	1				X
-12	Water Cooler	3/15/2011	1400	G	X2	1				X
-13	Chiller	3/15/2011	1130	G	X2	1				X
-14	Comb Air Fan	3/15/2011	1430	G	X2	1				X

ASAP

Relinquished by:	Received by:	Date:	Time:	Temp°C
FedEx	CK	3/16/11	1000	12.9

☐ EDD Format
☒ E-mail to RSIMMONS@MAXYMILLIAN.COM

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

From: (908) 934-2146
Robyn Darrow
MAXYMILLIAN TECHNOLOGIES
333 Hamilton Blvd

South Plainfield, NJ 07080

Origin ID: LDJA

Ship Date: 15MAR11
ActWgt: 3.0 LB
CAD: 10149331/INET3130

Delivery Address Bar Code

Ref #
Invoice #
PO #
Dept #

SHIP TO: (413) 789-9018
BILL SENDER

Spectrum Analytical
Spectrum Analytical
11 ALMGREN DR

AGAWAM, MA 01001

WED - 16 MAR A2
STANDARD OVERNIGHT

TRK# 0201 7945 3410 3463

ZB EHTA

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MA-US
BDL

After printing this label:
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2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Baghouse (ceramic)

Number of samples taken from equipment 2

Location of samples taken: Interior / Exterior

Applicable wipe sample results pass Yes ✓ No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes____ No____

Laboratory report attached Yes ✓ No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes____ No ____

SES inspected this/these items and has also seen the analytical report. Yes ____ No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name [signature] 4/15/11

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Baghouse (Ceramic)

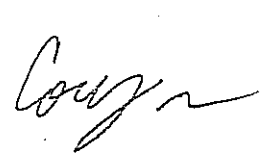
EQUIPMENT NUMBER: n/a

DATE DECONTAMINATED: 3/30/11

PROCEDURE USED/ Items of Note:

Equipment was used in the LTTD process. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

Report Date:
31-Mar-11 12:11

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26288-01	Bag House Top Ext	Wipe	29-Mar-11 14:30	30-Mar-11 10:30
SB26288-02	Trip Blank	Wipe	29-Mar-11 09:00	30-Mar-11 10:30
SB26288-03	Plant H2O Skid	Wipe	29-Mar-11 14:30	30-Mar-11 10:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 7 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Bag House Top Ext SB26288-01	09007	Wipe	29-Mar-11 14:30	30-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	30-Mar-11	31-Mar-11	IMR	1105525	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.26		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	74			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	81			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	74			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	78			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB26288-02	09007	Wipe	29-Mar-11 09:00	30-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	30-Mar-11	31-Mar-11	IMR	1105525	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	74			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	78			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	76			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	77			*30-150 %*			"	"	"	"	"	

Notes and Definitions

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Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Rebecca Merz

SB26288

SPECTRUM ANALYTICAL, INC.
Featuring
HANDBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page ____ of ____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: ____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXY Millian Technologies
1801 East St
Pittsfield, MA 01201

Telephone #: 413 499 3050
Project Mgr. J. Smith

Invoice To: MAXY Millian Techs
1801 East St
Pitts Field MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: S. Plainfield State: NJ
Sampler(s): J. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= TCE 11= Hexane

List preservative code below: 11

QA/QC Reporting Notes:
*additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other ____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			3550C PCB						
26288-01	Bay house top Ext	3/29/11	1430	G	x2	1						X						
-02	Trip Blank	3/29/11	0900	G	x2	1						X						
-03	Plant H2O Skid	3/29/11	1430	G	x2	1						X						

Relinquished by:	Received by:	Date:	Time:	Temp°C
Corey Jones	[signature]			
[signature]	[signature]	3/30/11	10:30	11.2

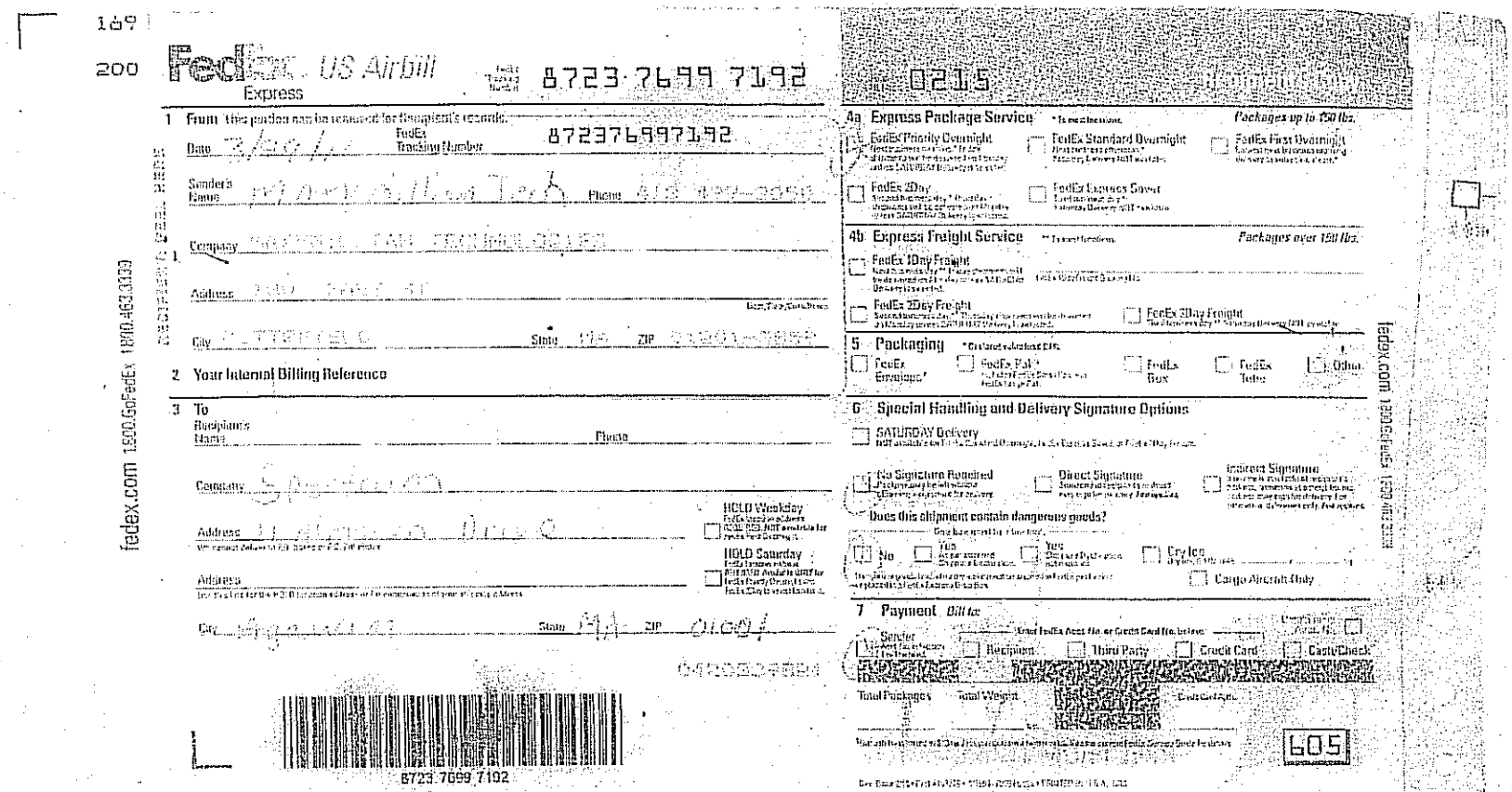
☐ EDD Format ____
☑ E-mail to: TSimmons@maxymillian.com
JSmith@maxymillian.com

☐ Ambient ☑ Iced ☐ Refrigerated ☐ Fridge temp ____ °C ☐ Freezer temp ____ °C

Melted

11 Almgren Drive · Agawam, MA 01001 · 413-789-9018 · FAX 413-789-4076 · www.spectrum-analytical.com
Revised July 2010

Voa Vial - H2SO4



169
200
FedEx Express US Airbill
8723 7699 7192
0215
1 From This portion can be removed for Recipient's records.
Date 3/20/..
FedEx Tracking Number 872376997192
Sender's Name
Phone
Company
Address
Dept./Floor/Suite/Room
City
State
ZIP
2 Your Internal Billing Reference
3 To
Recipient's Name
Phone
Company
Address
HOLD Weekday
HOLD Saturday
Address
City
State
ZIP
4a Express Package Service
Packages up to 150 lbs.
FedEx Priority Overnight
FedEx Standard Overnight
FedEx First Overnight
FedEx 2Day
FedEx Express Saver
4b Express Freight Service
Packages over 150 lbs.
FedEx 1Day Freight
FedEx 2Day Freight
FedEx 3Day Freight
5 Packaging
FedEx Envelope
FedEx Pak
FedEx Box
FedEx Tube
Other
6 Special Handling and Delivery Signature Options
SATURDAY Delivery
No Signature Required
Direct Signature
Indirect Signature
Does this shipment contain dangerous goods?
No
Yes
Yes
Cargo Aircraft Only
7 Payment Bill to:
Sender
Recipient
Third Party
Credit Card
Cash/Check
Total Packages
Total Weight
605
fedex.com 1.800.GoFedEx 1.800.463.3339
fedex.com 1.800.GoFedEx 1.800.463.3339
8723 7699 7192

Report Date:
07-Apr-11 14:04

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26618-01	Trip Blank	Wipe	05-Apr-11 09:00	06-Apr-11 10:15
SB26618-02	Baghouse Ceramic Int	Wipe	05-Apr-11 09:00	06-Apr-11 10:15
SB26618-03	FB Siding Int 1	Wipe	05-Apr-11 14:30	06-Apr-11 10:15
SB26618-04	FB Siding Ext 1	Wipe	05-Apr-11 14:30	06-Apr-11 10:15
SB26618-05	FB Siding Int 2	Wipe	05-Apr-11 14:30	06-Apr-11 10:15
SB26618-06	FB Siding Ext 2	Wipe	05-Apr-11 14:30	06-Apr-11 10:15
SB26618-07	FB Structural Beams 1	Wipe	05-Apr-11 14:30	06-Apr-11 10:15
SB26618-08	FB Structural Beams 2	Wipe	05-Apr-11 14:30	06-Apr-11 10:15
SB26618-09	FB Structural Beams 3	Wipe	05-Apr-11 14:30	06-Apr-11 10:15
SB26618-10	FB Structural Beams 4	Wipe	05-Apr-11 14:30	06-Apr-11 10:15
SB26618-11	FB Structural Beams 5	Wipe	05-Apr-11 14:30	06-Apr-11 10:15
SB26618-12	FB Structural Beams 6	Wipe	05-Apr-11 14:30	06-Apr-11 10:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 17 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 12.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank 9B26618-01	09007	Wipe	05-Apr-11 09:00	06-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	06-Apr-11	06-Apr-11	IMR	1106080	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	43			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	48			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	54			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	54			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Baghouse Ceramic Int SB26618-02	09007	Wipe	05-Apr-11 09:00	06-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	06-Apr-11	06-Apr-11	IMR	1106080	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.41		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.46		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	55			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	60			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	74			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	69			*30-150 %*			"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1106080 - SW846 3550B/C										
Blank (1106080-BLK1)					Prepared & Analyzed: 06-Apr-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	*0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.180*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.209*		µg/Wipe		*0.200*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.219*		µg/Wipe		*0.200*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.217*		µg/Wipe		*0.200*		*109*	*30-150*		
LCS (1106080-BS1)					Prepared & Analyzed: 06-Apr-11					
Aroclor-1016	2.26		µg/Wipe	0.08	2.50		90	50-140		
Aroclor-1016 [2C]	2.46		µg/Wipe	0.10	2.50		98	50-140		
Aroclor-1260	2.05		µg/Wipe	0.10	2.50		82	50-140		
Aroclor-1260 [2C]	2.26		µg/Wipe	0.08	2.50		90	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.197*		µg/Wipe		*0.200*		*98*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.221*		µg/Wipe		*0.200*		*111*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.227*		µg/Wipe		*0.200*		*114*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.246*		µg/Wipe		*0.200*		*123*	*30-150*		
LCS Dup (1106080-BSD1)					Prepared & Analyzed: 06-Apr-11					
Aroclor-1016	2.39		µg/Wipe	0.08	2.50		96	50-140	6	30
Aroclor-1016 [2C]	2.44		µg/Wipe	0.10	2.50		98	50-140	0.7	30
Aroclor-1260	2.07		µg/Wipe	0.10	2.50		83	50-140	1	30
Aroclor-1260 [2C]	2.32		µg/Wipe	0.08	2.50		93	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.200*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.224*		µg/Wipe		*0.200*		*112*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.221*		µg/Wipe		*0.200*		*111*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.254*		µg/Wipe		*0.200*		*127*	*30-150*		

Notes and Definitions

U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Nicole Leja

SB 26618

SPECTRUM ANALYTICAL, INC.
Founding
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr: J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply.

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 3550C PCB						
26618-01	Trip Blank	4/5/2011	0900	G	X2	1				X						ASAP
-02	Bathouse Ceramic Int	4/5/2011	0900	G	X2	1				X						
-03	FB Siding Int 1	4/5/2011	1430	G	X2	1				X						
-04	FB Siding Ext 1	4/5/2011	1430	G	X2	1				X						
-05	FB Siding Int 2	4/5/2011	1430	G	X2	1				X						
-06	FB Siding Ext 2	4/5/2011	1430	G	X2	1				X						
-07	FB Structural Beams 1	4/5/2011	1430	G	X2	1				X						
-08	FB Structural Beams 2	4/5/2011	1430	G	X2	1				X						
-09	FB Structural Beams 3	4/5/2011	1430	G	X2	1				X						
-10	FB Structural Beams 4	4/5/2011	1430	G	X2	1				X						

Relinquished by:	Received by:	Date:	Time:	Temp °C
Corey Jones				
FedEx		4/6/11	1015	12.6

☐ EDD Format
☒ E-mail to RSIMMONS@MAXYMILLIAN.COM
JSMITH@MAXYMILLIAN.COM

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

2668

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Deionized Water 10= ICE 11= Hexane

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wine X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 3550C PCB	MA DEP MCP CAM Report: Yes ☐ No ☐ CT DPH RCP Report: Yes ☐ No ☐ QA/QC Reporting Level ☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER V* ☐ Other State-specific reporting standards:
2668-1	FB Structural Beams 5	4/5/2011	1430	G	X2	1				X	ASAP
2	FB Structural Beams 6	4/5/2011	1430	G	X2	1				X	

Relinquished by:	Received by:	Date:	Time:	Temp °C
Corey Jones				
Fed Ex		4/6/11	10:15	12.6

☐ EDD Format
☒ E-mail to RSIMMONS@MAXYMILLIAN.COM
JSMITH@MAXYMILLIAN.COM

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

From: (908) 834-2146 Origin ID: LDJA
Robyn Darrow
MAXYMILLIAN TECHNOLOGIES
333 Hamilton Blvd

South Plainfield, NJ 07080

Ship Date: 05APR11
ActWgt: 2.0 LB
CAD: 101493311/INET3130

Delivery Address Bar Code

SHIP TO: (413) 789-9018 BILL SENDER
Spectrum Analytical
Spectrum Analytical
11 ALMGREN DR

AGAWAM, MA 01001

Ref #
Invoice #
PO #
Dept #

WED - 06 APR A2
PRIORITY OVERNIGHT

TRK# 7946 1464 7630
0201

ZB EHTA

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MAXYMILLIAN Technologies
1601 EAST STREET
PITTSFIELD, MA 01201
413 499-0050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Steam Plunum

Number of samples taken from equipment. 2

Location of samples taken: Interior / Exterior

Applicable wipe sample results pass Yes ✓ No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ____

Laboratory report attached Yes ✓ No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ____ No ____

SES inspected this/these items and has also seen the analytical report. Yes X No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name 4/15/11

EJ

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Steam Plunnum

EQUIPMENT NUMBER: N/A

DATE DECONTAMINATED: 3/28/11

PROCEDURE USED/ Items of Note:

Equipment was used on the discharge end of the LTTD unit for soil re moisturizing. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	Corey Jones Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
30-Mar-11 12:59

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26227-01	Steam Plunnum Int	Wipe	28-Mar-11 13:30	29-Mar-11 10:00
SB26227-02	Steam Plunnum Ext	Wipe	28-Mar-11 13:30	29-Mar-11 10:00
SB26227-03	Plant Air Com Ext 1	Wipe	28-Mar-11 14:30	29-Mar-11 10:00
SB26227-04	Plant Air Com Ext 2	Wipe	28-Mar-11 14:30	29-Mar-11 10:00
SB26227-05	Trip Blank	Wipe	28-Mar-11 14:30	29-Mar-11 10:00
SB26227-06	Plant Air Dryer Ext	Wipe	28-Mar-11 15:30	29-Mar-11 10:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 10 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 9.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Steam Plumnum Int SB26227-01	09007	Wipe	28-Mar-11 13:30	29-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	29-Mar-11	30-Mar-11	IMR	1105441	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.72		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.69		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	66			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	76			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	66			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	77			*30-150 %*			"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BDL = Below Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Steam Plumnum Ext SB26227-02	09007	Wipe	28-Mar-11 13:30	29-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	29-Mar-11	30-Mar-11	IMR	1105441	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.43		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	66			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	72			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	65			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	67			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105441 - SW846 3550B/C										
Blank (1105441-BLK1)					Prepared: 29-Mar-11 Analyzed: 30-Mar-11					
Aroclor-1016	BRL	U	µg/Wipe	0.06						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.220*		µg/Wipe		*0.200*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.250*		µg/Wipe		*0.200*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.201*		µg/Wipe		*0.200*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.238*		µg/Wipe		*0.200*		*119*	*30-150*		
LCS (1105441-BS1)					Prepared: 29-Mar-11 Analyzed: 30-Mar-11					
Aroclor-1016	2.36		µg/Wipe	0.06	2.50		94	50-140		
Aroclor-1016 [2C]	2.52		µg/Wipe	0.10	2.50		101	50-140		
Aroclor-1260	2.00		µg/Wipe	0.10	2.50		80	50-140		
Aroclor-1260 [2C]	2.21		µg/Wipe	0.08	2.50		88	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.193*		µg/Wipe		*0.200*		*96*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.202*		µg/Wipe		*0.200*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.174*		µg/Wipe		*0.200*		*87*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.194*		µg/Wipe		*0.200*		*97*	*30-150*		
LCS Dup (1105441-BSD1)					Prepared: 29-Mar-11 Analyzed: 30-Mar-11					
Aroclor-1016	2.34		µg/Wipe	0.06	2.50		93	50-140	1	30
Aroclor-1016 [2C]	2.53		µg/Wipe	0.10	2.50		101	50-140	0.1	30
Aroclor-1260	1.99		µg/Wipe	0.10	2.50		80	50-140	0.5	30
Aroclor-1260 [2C]	2.17		µg/Wipe	0.08	2.50		87	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.190*		µg/Wipe		*0.200*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.200*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.161*		µg/Wipe		*0.200*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.176*		µg/Wipe		*0.200*		*88*	*30-150*		

Notes and Definitions

J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB 26227

SPECTRUM ANALYTICAL, INC.
Featuring
HANDAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id.	Sample Id.	Date	Time	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	3550C PCB	State-specific reporting standards
26227-01	Steam Plumnum Int	3/28/2011	1330	G	X2	1				X	ASAP
-02	Steam Plumnum Ext	3/28/2011	1330	G	X2	1				X	
-03	Plant Air Com Ext 1	3/28/2011	1430	G	X2	1				X	
-04	Plant Air Com Ext 2	3/28/2011	1430	G	X2	1				X	
-05	Trip Blank	3/28/2011	1430	G	X2	1				X	
-06	Plant Air Dryer Ext	3/28/2011	1530	G	X2	1				X	

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]				
FedEx	[signature]	3/29/11	1000	

☐ EDD Format
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JSMITH@MAXYMILLIAN.COM

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp °C ☐ Freezer temp °C

Melted

From: (905) 834-2148 Origin ID: LDJA
Robyn Darrow
MAXYMILLIAN TECHNOLOGIES
333 Hamilton Blvd

South Plainfield, NJ 07080

Ship Date: 28MAR11
ActWgt: 2.0 LB
CAD: 10148331/INET3130

Delivery Address Bar Code

SHIP TO: (413) 789-9018 BILL SENDER

Spectrum Analytical
Spectrum Analytical
11 ALMGREN DR

AGAWAM, MA 01001

Ref #
Invoice #
PO #
Dept #

TUE - 29 MAR A2
STANDARD OVERNIGHT

TRK# 7969 1967 4280
0201

ZB EHTA

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MA-US
BDL

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MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Condenser Base

Number of samples taken from equipment. 2 3.

Location of samples taken: Interior / Exterior

Applicable wipe sample results pass Yes ✓ No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes____ No____

Laboratory report attached Yes✓ No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes____ No ____

SES inspected this/these items and has also seen the analytical report. Yes ____ No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name

4/15/11

Fc 1

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

April 4, 2011

Kim Lickfield
Project Manager
Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14305

Dear Mr. Lickfield:

As outlined in Maxymillian Technologies' Demobilization Plan for the LTTD unit from the Cornell Dubilier Superfund Site, we are providing notification of LTTD components that do not meet the decontamination verification sampling criteria listed in the Plan.

LTTD COMPONENT	WIPE SAMPLE RESULT
Quench Sump - Interior	4420 ug/100 cm^2
Baghouse Hopper - Interior	115 ug/100 cm^2
PreFilter Box - Interior	3160 ug/100 cm^2
Coalesing Filter Box - Interior	704 ug/100 cm^2
Condenser Base - Interior	2759 ug/100 cm^2

The above listed components have elevated levels of PCBs above the 40 CFR 761.76 standard and will continue to be used exclusively with the LTTD unit at PCB contaminated sites until such time as they are properly decontaminated, scrapped or disposed.

Very truly yours,

MAXYMILLIAN TECHNOLOGIES, INC.

John B. Anthony
Senior Vice President

cc: File

f/ rs/CDE/Decon Letter 2

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Condenser Base

EQUIPMENT NUMBER: n/a

DATE DECONTAMINATED: 3/30/11

PROCEDURE USED/ Items of Note:

Equipment was used in the LTTD process. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination.

Decontamination Personnel: Dan Dargie/Felix Carrabohl

Corey Jones (Site Safety Health Officer)	Signature

Report Date:
08-Apr-11 13:33

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26682-01	Trip Blank	Wipe	06-Apr-11 08:00	07-Apr-11 10:10
SB26682-02	Fuel Skid 1	Wipe	06-Apr-11 08:00	07-Apr-11 10:10
SB26682-03	Fuel Skid 2	Wipe	06-Apr-11 08:00	07-Apr-11 10:10
SB26682-04	Condensor Base Ext retake	Wipe	06-Apr-11 15:30	07-Apr-11 10:10
SB26682-05	Prefilter Box Ext	Wipe	06-Apr-11 15:30	07-Apr-11 10:10

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED TNI LABORATORY

Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 9 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 13.3 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB26682-01	09007	Wipe	06-Apr-11 08:00	07-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	07-Apr-11	07-Apr-11	IMR	1106187	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	34			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	42			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	43			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	46			*30-150 %*			"	"	"	"	"	

Sample Identification		Client Project #	Matrix	Collection Date/Time	Received
Condensor Base Ext retake		09007	Wipe	06-Apr-11 15:30	07-Apr-11
SB26682-04					

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	07-Apr-11	07-Apr-11	IMR	1106187	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	2.80		µg/Wipe	0.20	0.07	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	6.32		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	0.72		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	68			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	66			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	60			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	68			*30-150 %*			"	"	"	"	"	

2.80
6.32
1.72
9.84

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1106187 - SW846 3550B/C										
Blank (1106187-BLK1)						Prepared & Analyzed: 07-Apr-11				
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.176*		µg/Wipe		*0.200*		*88*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.198*		µg/Wipe		*0.200*		*99*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.180*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.227*		µg/Wipe		*0.200*		*114*	*30-150*		
LCS (1106187-BS1)						Prepared & Analyzed: 07-Apr-11				
Aroclor-1016	2.09		µg/Wipe	0.08	2.50		83	50-140		
Aroclor-1016 [2C]	2.22		µg/Wipe	0.10	2.50		89	50-140		
Aroclor-1260	1.95		µg/Wipe	0.10	2.50		78	50-140		
Aroclor-1260 [2C]	2.08		µg/Wipe	0.08	2.50		83	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.171*		µg/Wipe		*0.200*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.182*		µg/Wipe		*0.200*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.194*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.206*		µg/Wipe		*0.200*		*103*	*30-150*		
LCS Dup (1106187-BSD1)						Prepared & Analyzed: 07-Apr-11				
Aroclor-1016	2.14		µg/Wipe	0.08	2.50		86	50-140	3	30
Aroclor-1016 [2C]	2.18		µg/Wipe	0.10	2.50		87	50-140	2	30
Aroclor-1260	1.95		µg/Wipe	0.10	2.50		78	50-140	0.2	30
Aroclor-1260 [2C]	2.15		µg/Wipe	0.08	2.50		86	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.177*		µg/Wipe		*0.200*		*88*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.184*		µg/Wipe		*0.200*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.202*		µg/Wipe		*0.200*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.217*		µg/Wipe		*0.200*		*109*	*30-150*		

Notes and Definitions

U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Nicole Leja

SB 26682

SPECTRUM ANALYTICAL, INC.
Featuring
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6536

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: MJ
Sampler(s): J. SMITH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

Containers / Analyses

Lab Id	Sample Id	Date	Time	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	3550C PCB
26682-01	Trip Blank	4/6/2011	0800	G	X2	1				X
-02	Fuel Skid 1	4/6/2011	0800	G	X2	1				X
-03	Fuel Skid 2	4/6/2011	0800	G	X2	1				X
-04	Condensor Base Ext	4/6/2011	1530	G	X2	1				X
-05	Prefilter Box Ext	4/6/2011	1530	G	X2	1				X

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER V*
☐ Other

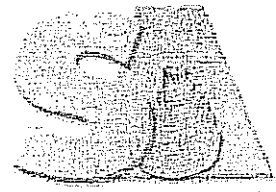
State-specific reporting standards: ASAP

Relinquished by:	Received by:	Date:	Time:	Temp °C
FedEx				
		4/7/11	1010	12.2

☐ EDD Format
☒ E-mail to: RSIMMONS@MAXYMILLIAN.COM
JSMITH@MAXYMILLIAN.COM

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Frozen temp. °C ☐ Frozen temp. °C

Report Date:
01-Apr-11 17:02



☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26366-01	Trip Blank	Wipe	30-Mar-11 12:00	31-Mar-11 10:15
SB26366-02	Quench Sump Int	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-03	Quench Sump Ext	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-04	BH Hopper Ext	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-05	BH Hopper Int	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-06	PreFilter Box Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-07	PreFilter Box Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-08	Coalesing Filter Box Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-09	Coalesing Filter Box Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-10	Condenser Base Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-11	Condenser Base Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-12	Control Room Ext	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-13	Control Room Int 1	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-14	Control Room Int 2	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-15	Plant Air Low Ext 1	Wipe	30-Mar-11 14:30	31-Mar-11 10:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 21 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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CASE NARRATIVE:

The samples were received 2.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB26366-02 *Quench Sump Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-05 *BH Hopper Int*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248
Aroclor-1254

SB26366-05RE1 *BH Hopper Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB26366-06 *PreFilter Box Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-08 *Coalesing Filter Box Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-09 *Coalesing Filter Box Ext*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254

SW846 8082A

Samples:

SB26366-09RE1 *Coalesing Filter Box Ext*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB26366-11 *Condenser Base Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB26366-01	09007	Wipe	30-Mar-11 12:00	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.15	J	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.16	J	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	100			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	82			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	84			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	80			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Condenser Base Ext SB26366-10	09007	Wipe	30-Mar-11 10:30	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	33.4		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	19.5		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	105			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	68			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	84			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	80			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Condenser Base Int 5B26366-11	09007	Wipe	30-Mar-11 10:30	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C			GS1										
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	40.0	15.6	200	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	40.0	22.2	200	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	40.0	25.9	200	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	40.0	17.7	200	"	"	"	"	"	
12672-29-6	Aroclor-1248	2,140		µg/Wipe	40.0	13.5	200	"	"	"	"	"	
11097-69-1	Aroclor-1254	619		µg/Wipe	40.0	15.7	200	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	40.0	19.1	200	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	40.0	18.5	200	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	40.0	15.5	200	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	0	S01, U		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	0	S01, U		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	0	S01, U		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	0	S01, U		*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105654 - SW846 3550B/C										
Blank (1105654-BLK1)					Prepared: 31-Mar-11 Analyzed: 01-Apr-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.262*		µg/Wipe		*0.200*		*131*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.204*		µg/Wipe		*0.200*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.239*		µg/Wipe		*0.200*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.205*		µg/Wipe		*0.200*		*103*	*30-150*		
LCS (1105654-BS1)					Prepared: 31-Mar-11 Analyzed: 01-Apr-11					
Aroclor-1016	2.31		µg/Wipe	0.08	2.50		93	50-140		
Aroclor-1016 [2C]	2.51		µg/Wipe	0.10	2.50		100	50-140		
Aroclor-1260	2.65		µg/Wipe	0.10	2.50		106	50-140		
Aroclor-1260 [2C]	2.63		µg/Wipe	0.08	2.50		105	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.230*		µg/Wipe		*0.200*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.195*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.243*		µg/Wipe		*0.200*		*122*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.225*		µg/Wipe		*0.200*		*113*	*30-150*		
LCS Dup (1105654-BSD1)					Prepared: 31-Mar-11 Analyzed: 01-Apr-11					
Aroclor-1016	2.33		µg/Wipe	0.08	2.50		93	50-140	0.8	30
Aroclor-1016 [2C]	2.26		µg/Wipe	0.10	2.50		90	50-140	11	30
Aroclor-1260	2.67		µg/Wipe	0.10	2.50		107	50-140	0.8	30
Aroclor-1260 [2C]	2.49		µg/Wipe	0.08	2.50		100	50-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.227*		µg/Wipe		*0.200*		*114*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.200*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.231*		µg/Wipe		*0.200*		*116*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.206*		µg/Wipe		*0.200*		*103*	*30-150*		

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB26366

SPECTRUM ANALYTICAL, INC.
Formerly
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page _____ of _____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMillian Technologies
1801 East St
Pittsfield, MA 01201

Telephone #: 413 499 3050
Project Mgr. J. Smith

Invoice To: MAXYMillian Technologies
1801 East St
Pittsfield, MA 01201

P.O. No.: 3732 RQN: 6538

Project No.: 09007
Site Name: CDF
Location: C. Plainfield State: NJ
Sampler(s): J. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_3$ 9=Deionized Water 10= ICE 11= Hexane

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Wipe X2= _____ X3= _____

G=Grab C=Composite

List preservative code below: 1 1

QA/QC Reporting Notes:
* additional charges may apply.

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards: _____

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 3550C Ext TCL
SB26366-01	Trip Blank	3/30/11	1200	G	WI	1				X
-02	Quench Sump Int	3/30/11	1000	G	WI	1				X
-03	Quench Sump Ext	3/30/11	1000	G	WI	1				X
-04	BH Hopper Ext	3/30/11	1000	G	WI	1				X
-05	BH Hopper Int	3/30/11	1000	G	WI	1				X
-06	Pre Filter Box Int	3/30/11	1030	G	WI	1				X
-07	Pre Filter Box Ext	3/30/11	1030	G	WI	1				X
-08	Cooling Filter Box Int	3/30/11	1030	G	WI	1				X
-09	Cooling Filter Box Ext	3/30/11	1030	G	WI	1				X

Relinquished by:	Received by:	Date:	Time:	Temp°C
Casey Jones				
Fedex		3/31/11	1015	2.7

☐ EDD Format _____
☐ E-mail to csimmons@maxymillion.com
JSmith@maxymillion.com

☐ Ambient ☑ Iced ☐ Refrigerated ☐ Fridge temp: ___°C ☐ Freezer temp: ___°C

Iced

SB26366

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page ____ of ____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Maxymillian Technologies
1801 East St
Pittsfield, MA 01201

Telephone #: 413 499 3050
Project Mgr. J. Smith

Invoice To: Maxymillian Tech
1801 East St
Pittsfield, MA

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDF
Location: S Plainfield State: NJ
Sampler(s): J. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= _____ 11= _____

List preservative code below:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Wipe X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			3550 Ext PCBs							
SB26366-10	Condenser Base Int	3/30/11	1030	G	X1	1						X							
-11	Condenser Base Int	3/30/11	1030	G	X1	1						X							
-12	Control room	3/30/11	1100	G	X1	1						X							
-13	Control room Int 1	3/30/11	1100	G	X1	1						X							
-14	Control room Int 2	3/30/11	1100	G	X1	1						X							
-15	Plant Air Con Ext 1	3/30/11	1430	G	X1	1						X							

QA/QC Reporting Notes:
*additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Corey Jones				
Fed Ex	[signature]	3/31/11	105	2.7

☐ EDD Format _____
☐ E-mail to rsimmons@maxymillian.com
jsmith@maxymillian.com

☐ Ambient ☑ Iced ☐ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com
Revised July 2010

MAXYMILLIAN Technologies
1601 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Pre Filters Box

Number of samples taken from equipment. 2 3

Location of samples taken: Exterior / Interior

Applicable wipe sample results pass Yes X No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No____

Laboratory report attached Yes ✓ No _____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes X No _____

SES inspected this/these items and has also seen the analytical report. Yes _____ No _____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name

4/15/11

FC 1

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

April 4, 2011

Kim Lickfield
Project Manager
Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14305

Dear Mr. Lickfield:

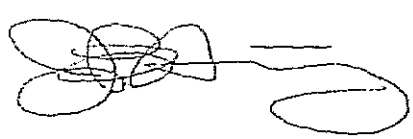
As outlined in Maxymillian Technologies' Demobilization Plan for the LTTD unit from the Cornell Dubilier Superfund Site, we are providing notification of LTTD components that do not meet the decontamination verification sampling criteria listed in the Plan.

LTTD COMPONENT	WIPE SAMPLE RESULT
Quench Sump - Interior	4420 ug/100 cm^2
Baghouse Hopper - Interior	115 ug/100 cm^2
PreFilter Box - Interior	3160 ug/100 cm^2
Coalesing Filter Box - Interior	704 ug/100 cm^2
Condenser Base - Interior	2759 ug/100 cm^2

The above listed components have elevated levels of PCBs above the 40 CFR 761.76 standard and will continue to be used exclusively with the LTTD unit at PCB contaminated sites until such time as they are properly decontaminated, scrapped or disposed.

Very truly yours,

MAXYMILLIAN TECHNOLOGIES, INC.



John B. Anthony
Senior Vice President

cc: File

f/ rs/CDE/Decon Letter 2

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Prefilter Box

EQUIPMENT NUMBER:

DATE DECONTAMINATED: 3/28/11

PROCEDURE USED/ Items of Note:

Equipment was used in the LTTD process to house prefilters on trailer # 2. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

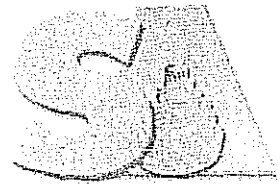
Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
01-Apr-11 17:02

☑ Final Report
☐ Re-Issued Report
☐ Revised Report



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

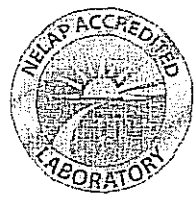
Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26366-01	Trip Blank	Wipe	30-Mar-11 12:00	31-Mar-11 10:15
SB26366-02	Quench Sump Int	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-03	Quench Sump Ext	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-04	BH Hopper Ext	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-05	BH Hopper Int	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-06	PreFilter Box Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-07	PreFilter Box Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-08	Coalesing Filter Box Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-09	Coalesing Filter Box Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-10	Condenser Base Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-11	Condenser Base Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-12	Control Room Ext	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-13	Control Room Int 1	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-14	Control Room Int 2	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-15	Plant Air Low Ext 1	Wipe	30-Mar-11 14:30	31-Mar-11 10:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 21 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 2.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB26366-02 *Quench Sump Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-05 *BH Hopper Int*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248
Aroclor-1254

SB26366-05RE1 *BH Hopper Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB26366-06 *PreFilter Box Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-08 *Coalesing Filter Box Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-09 *Coalesing Filter Box Ext*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254

SW846 8082A

Samples:

SB26366-09RE1 *Coalesing Filter Box Ext*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB26366-11 *Condenser Base Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB26366-01	09007	Wipe	30-Mar-11 12:00	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.15	J	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.16	J	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	100			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	82			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	84			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	80			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PreFilter Box Int SB26366-06	09007	Wipe	30-Mar-11 10:30	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C			GS1										
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	100	39.0	500	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	100	55.4	500	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	100	64.7	500	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	100	44.2	500	"	"	"	"	"	
12672-29-6	Aroclor-1248	1,910		µg/Wipe	100	33.7	500	"	"	"	"	"	
11097-69-1	Aroclor-1254	1,250		µg/Wipe	100	39.3	500	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	100	47.9	500	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	100	46.3	500	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	100	38.7	500	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	0	S01, U		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	0	S01, U		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	0	S01, U		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	0	S01, U		*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PreFilter Box Ext SB26366-07	09007	Wipe	30-Mar-11 10:30	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	10.7		µg/Wipe	0.20	0.07	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	7.75		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	90			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	80			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	80			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	76			*30-150 %*			"	"	"	"	"	

Report Date:
08-Apr-11 13:33

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

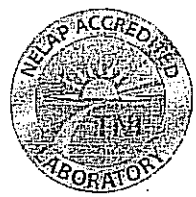
Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26682-01	Trip Blank	Wipe	06-Apr-11 08:00	07-Apr-11 10:10
SB26682-02	Fuel Skid 1	Wipe	06-Apr-11 08:00	07-Apr-11 10:10
SB26682-03	Fuel Skid 2	Wipe	06-Apr-11 08:00	07-Apr-11 10:10
SB26682-04	Condensor Base Ext	Wipe	06-Apr-11 15:30	07-Apr-11 10:10
SB26682-05	Prefilter Box Ext retake	Wipe	06-Apr-11 15:30	07-Apr-11 10:10

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 9 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 13.3 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB26682-01	09007	Wipe	06-Apr-11 08:00	07-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	07-Apr-11	07-Apr-11	IMR	1106187	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	34			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	42			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	43			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	46			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Prefilter Box Ext SB26682-05 retake	09007	Wipe	06-Apr-11 15:30	07-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	07-Apr-11	07-Apr-11	IMR	1106187	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	2.32		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	3.00		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	58			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	60			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	54			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	72			*30-150 %*			"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1106187 - SW846 3550B/C										
Blank (1106187-BLK1)					Prepared & Analyzed: 07-Apr-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.176*		µg/Wipe		*0.200*		*88*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.198*		µg/Wipe		*0.200*		*99*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.180*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.227*		µg/Wipe		*0.200*		*114*	*30-150*		
LCS (1106187-BS1)					Prepared & Analyzed: 07-Apr-11					
Aroclor-1016	2.09		µg/Wipe	0.08	2.50		83	50-140		
Aroclor-1016 [2C]	2.22		µg/Wipe	0.10	2.50		89	50-140		
Aroclor-1260	1.95		µg/Wipe	0.10	2.50		78	50-140		
Aroclor-1260 [2C]	2.08		µg/Wipe	0.08	2.50		83	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.171*		µg/Wipe		*0.200*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.182*		µg/Wipe		*0.200*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.194*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.206*		µg/Wipe		*0.200*		*103*	*30-150*		
LCS Dup (1106187-BSD1)					Prepared & Analyzed: 07-Apr-11					
Aroclor-1016	2.14		µg/Wipe	0.08	2.50		86	50-140	3	30
Aroclor-1016 [2C]	2.18		µg/Wipe	0.10	2.50		87	50-140	2	30
Aroclor-1260	1.95		µg/Wipe	0.10	2.50		78	50-140	0.2	30
Aroclor-1260 [2C]	2.15		µg/Wipe	0.08	2.50		86	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.177*		µg/Wipe		*0.200*		*88*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.184*		µg/Wipe		*0.200*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.202*		µg/Wipe		*0.200*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.217*		µg/Wipe		*0.200*		*109*	*30-150*		

Notes and Definitions

U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Nicole Leja

SB 26682

SPECTRUM ANALYTICAL, INC.
Featuring
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☑ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

List preservative code below: 11

QA/QC Reporting Notes:
*additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 3550C PCB	QA/QC Reporting Notes:
26682-01	Trip Blank	4/6/2011	0800	G	X2	1				X	ASAP
-02	Fuel Skid 1	4/6/2011	0800	G	X2	1				X	
-03	Fuel Skid 2	4/6/2011	0800	G	X2	1				X	
-04	Condensor Base Ext	4/6/2011	1530	G	X2	1				X	
-05	Prefilter Box Ext	4/6/2011	1530	G	X2	1				X	

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☑ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature] FedEx	[signature]	4/7/11	1010	7.3

☐ EDD Format
☑ E-mail to RSIMMONS@MAXYMILLIAN.COM
JSMITH@MAXYMILLIAN.COM

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

Melted

MAXYMILLIAN Technologies
1601 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Coalescing Filter Box

Number of samples taken from equipment 2 3

Location of samples taken: Exterior Interior

Applicable wipe sample results pass Yes ✓ No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ____

Laboratory report attached Yes ✓ No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ____ No ____

SES inspected this/these items and has also seen the analytical report. Yes X No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name [signature] 4/15/11

FOL

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 440-0511

April 4, 2011

Kim Lickfield
Project Manager
Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14305

Dear Mr. Lickfield:

As outlined in Maxymillian Technologies' Demobilization Plan for the LTTD unit from the Cornell Dubilier Superfund Site, we are providing notification of LTTD components that do not meet the decontamination verification sampling criteria listed in the Plan.

LTTD COMPONENT	WIPE SAMPLE RESULT
Quench Sump - Interior	4420 ug/100 cm^2
Baghouse Hopper - Interior	115 ug/100 cm^2
PreFilter Box - Interior	3160 ug/100 cm^2
Coalesing Filter Box - Interior	704 ug/100 cm^2
Condenser Base - Interior	2759 ug/100 cm^2

The above listed components have elevated levels of PCBs above the 40 CFR 761.76 standard and will continue to be used exclusively with the LTTD unit at PCB contaminated sites until such time as they are properly decontaminated, scrapped or disposed.

Very truly yours,

MAXYMILLIAN TECHNOLOGIES, INC.

John B. Anthony
Senior Vice President

cc: File

f/ rs/CDE/Decon Letter 2

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Coalescing filter Box

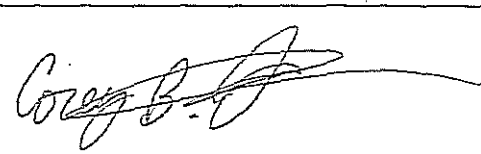
EQUIPMENT NUMBER:

DATE DECONTAMINATED: 3/28/11

PROCEDURE USED/ Items of Note:

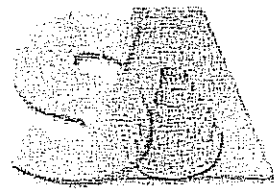
Equipment was used in the LTTD process to house coalescing filters on trailer # 2. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
01-Apr-11 17:02



☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26366-01	Trip Blank	Wipe	30-Mar-11 12:00	31-Mar-11 10:15
SB26366-02	Quench Sump Int	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-03	Quench Sump Ext	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-04	BH Hopper Ext	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-05	BH Hopper Int	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-06	PreFilter Box Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-07	PreFilter Box Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-08	Coalesing Filter Box Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-09	Coalesing Filter Box Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-10	Condenser Base Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-11	Condenser Base Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-12	Control Room Ext	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-13	Control Room Int 1	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-14	Control Room Int 2	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-15	Plant Air Low Ext 1	Wipe	30-Mar-11 14:30	31-Mar-11 10:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 21 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 2.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB26366-02 *Quench Sump Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-05 *BH Hopper Int*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248
Aroclor-1254

SB26366-05RE1 *BH Hopper Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB26366-06 *PreFilter Box Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-08 *Coalesing Filter Box Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-09 *Coalesing Filter Box Ext*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254

SW846 8082A

Samples:

SB26366-09RE1 *Coalesing Filter Box Ext*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB26366-11 *Condenser Base Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB26366-01	09007	Wipe	30-Mar-11 12:00	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.15	J	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.16	J	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	100			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	82			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	84			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	80			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Coalesing Filter Box Int SB26366-08	09007	Wipe	30-Mar-11 10:30	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C			GS1										
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	560		µg/Wipe	10.0	3.37	50	"	"	"	"	"	
11097-69-1	Aroclor-1254	144		µg/Wipe	10.0	3.93	50	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	10.0	4.79	50	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	10.0	4.63	50	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	10.0	3.87	50	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	0	S01, U		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	0	S01, U		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	0	S01, U		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	0	S01, U		*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Coalesing Filter Box Ext SB26366-09	09007	Wipe	30-Mar-11 10:30	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	31.8		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	83.6	E	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	80			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	69			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	82			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	80			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	2.00	0.78	10	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	2.00	1.11	10	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	2.00	1.29	10	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	2.00	0.88	10	"	"	"	"	"	
12672-29-6	Aroclor-1248	32.0		µg/Wipe	2.00	0.57	10	"	"	"	"	"	
11097-69-1	Aroclor-1254	99.3		µg/Wipe	2.00	0.79	10	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	2.00	0.96	10	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	2.00	0.93	10	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	2.00	0.77	10	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	65			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	95			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	95			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	150			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105654 - SW846 3550B/C										
Blank (1105654-BLK1)					Prepared: 31-Mar-11 Analyzed: 01-Apr-11					
Aroclor-1016	BRL	U	µg/Wipe	0.06						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.262*		µg/Wipe		*0.200*		*131*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.204*		µg/Wipe		*0.200*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.239*		µg/Wipe		*0.200*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.205*		µg/Wipe		*0.200*		*103*	*30-150*		
LCS (1105654-BS1)					Prepared: 31-Mar-11 Analyzed: 01-Apr-11					
Aroclor-1016	2.31		µg/Wipe	0.06	2.50		93	50-140		
Aroclor-1016 [2C]	2.51		µg/Wipe	0.10	2.50		100	50-140		
Aroclor-1260	2.65		µg/Wipe	0.10	2.50		106	50-140		
Aroclor-1260 [2C]	2.63		µg/Wipe	0.08	2.50		105	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.230*		µg/Wipe		*0.200*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.195*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.243*		µg/Wipe		*0.200*		*122*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.225*		µg/Wipe		*0.200*		*113*	*30-150*		
LCS Dup (1105654-BSD1)					Prepared: 31-Mar-11 Analyzed: 01-Apr-11					
Aroclor-1016	2.33		µg/Wipe	0.06	2.50		93	50-140	0.8	30
Aroclor-1016 [2C]	2.26		µg/Wipe	0.10	2.50		90	50-140	11	30
Aroclor-1260	2.67		µg/Wipe	0.10	2.50		107	50-140	0.8	30
Aroclor-1260 [2C]	2.49		µg/Wipe	0.08	2.50		100	50-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.227*		µg/Wipe		*0.200*		*114*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.200*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.231*		µg/Wipe		*0.200*		*116*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.206*		µg/Wipe		*0.200*		*103*	*30-150*		

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB26366

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page ____ of ____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXY Million Technologies
1801 East St
Pitts Field, MA 01201

Telephone #: 413 499 3050
Project Mgr. J. Smith

Invoice To: MAXY Million Technologies
1801 East St
Pitts Field, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDF
Location: S. Plain Field State: NJ
Sampler(s): J. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

List preservative code below: 1 | 1

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Oil/Oil X2= _____ X3= _____

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			3550c Ext PCBs						
SB26366-01	Trip Blank	3/30/11	1200	G	X1	1						X						
-02	Quench Sump Int	3/30/11	1000	G	X1	1						X						
-03	Quench Sump Ext	3/30/11	1000	G	X1	1						X						
-04	BH Hopper Ext	3/30/11	1000	G	X1	1						X						
-05	BH Hopper Int	3/30/11	1000	G	X1	1						X						
-06	Pre Filter Box Int	3/30/11	1030	G	X1	1						X						
-07	Pre Filter Box Ext	3/30/11	1030	G	X1	1						X						
-08	Coalesing Filter Box Int	3/30/11	1030	G	X1	1						X						
-09	Coalesing Filter Box Ext	3/30/11	1030	G	X1	1						X						

Relinquished by:	Received by:	Date:	Time:	Temp°C
Corey Jones				
Fedex	[signature]	3/31/11	1015	2.7

☐ EDD Format _____
☒ E-mail to rsimmons@maxymillian.com
JSmith@maxymillian.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ____°C ☐ Freezer temp ____°C

Melted

SB26366

SPECTRUM ANALYTICAL, INC.
Featuring
HANDAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page ____ of ____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: ____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Mary Millian Technologies
150 1 East St
Pittsfield, MA 01201

Telephone #: 413 499 3050
Project Mgr. J. Smith

Invoice To: Mary Millian Tech
1501 East St
Pittsfield, MA

P.O. No.: 3777 RQN: 6539

Project No.: 07007
Site Name: CDF
Location: Pittsfield State: MA
Sampler(s): J. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_3$ 9= Deionized Water 10= ____ 11= ____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Wipe X2= ____ X3= ____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: TCL PCBs Soil Wipes	List preservative code below:	QA/QC Reporting Notes:
SB26366-10	Condenser Surface	3/30/11	1030	G	X1	1				X		
-11	Condenser Surface	3/30/11	1030	G	X1	1				X		
-12	Control Room*	3/30/11	1100	G	X1	1				X		
-13	Control Room Field	3/30/11	1100	G	X1	1				X		
-14	Control Room Field	3/30/11	1100	G	X1	1				X		
-15	Plant Area Field	3/30/11	1430	G	X1	1				X		

* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER V*
☐ Other ____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Corey Jones				
FedEx		3/31/11	1045	2.7

☐ EDD Format ____
☐ E-mail to JSimmons@MaryMillianCorp
JSmith@MaryMillian.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

Report Date:
06-Apr-11 13:09

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26564-01	Trip Blank	Wipe	04-Apr-11 13:30	05-Apr-11 10:00
SB26564-02	Baghouse Hopper Int	Wipe	04-Apr-11 13:30	05-Apr-11 10:00
SB26564-03	Coalescing Filter Box Ext retake	Wipe	04-Apr-11 13:30	05-Apr-11 10:00
SB26564-04	Condenser Base Ext	Wipe	04-Apr-11 13:30	05-Apr-11 10:00
SB26564-05	Prefilter Box Ext	Wipe	04-Apr-11 13:30	05-Apr-11 10:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51425

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 9 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 17.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank B26564-01	09007	Wipe	04-Apr-11 13:30	05-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	05-Apr-11	06-Apr-11	IMR	1105976	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	55			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	62			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	64			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	70			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Coalescing Filter Box Ext SB26564-03	09007	Wipe	04-Apr-11 13:30	05-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	05-Apr-11	06-Apr-11	IMR	1105976	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	1.50		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	1.55		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	68			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	74			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	70			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	72			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105976 - SW846 3550B/C										
Blank (1105976-BLK1)					Prepared: 05-Apr-11 Analyzed: 06-Apr-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.146*		µg/Wipe		*0.200*		*73*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.173*		µg/Wipe		*0.200*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.154*		µg/Wipe		*0.200*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.162*		µg/Wipe		*0.200*		*81*	*30-150*		
LCS (1105976-BS1)					Prepared: 05-Apr-11 Analyzed: 06-Apr-11					
Aroclor-1016	2.47		µg/Wipe	0.08	2.50		99	50-140		
Aroclor-1016 [2C]	2.36		µg/Wipe	0.10	2.50		94	50-140		
Aroclor-1260	2.31		µg/Wipe	0.10	2.50		93	50-140		
Aroclor-1260 [2C]	2.40		µg/Wipe	0.08	2.50		96	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.150*		µg/Wipe		*0.200*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.136*		µg/Wipe		*0.200*		*68*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.145*		µg/Wipe		*0.200*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.208*		µg/Wipe		*0.200*		*104*	*30-150*		
LCS Dup (1105976-BSD1)					Prepared: 05-Apr-11 Analyzed: 06-Apr-11					
Aroclor-1016	2.32		µg/Wipe	0.08	2.50		93	50-140	6	30
Aroclor-1016 [2C]	2.48		µg/Wipe	0.10	2.50		99	50-140	5	30
Aroclor-1260	2.31		µg/Wipe	0.10	2.50		92	50-140	0.2	30
Aroclor-1260 [2C]	2.30		µg/Wipe	0.08	2.50		92	50-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.149*		µg/Wipe		*0.200*		*74*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.155*		µg/Wipe		*0.200*		*78*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.165*		µg/Wipe		*0.200*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.170*		µg/Wipe		*0.200*		*85*	*30-150*		

Notes and Definitions

U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB26564

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Deionized Water 10= ICE 11= Hexane

List preservative code below: 11

QA/QC Reporting Notes:
*additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 3550C PCB
26564-01	Trip Blank	4/4/2011	1330	G	X2	1				X
-02	Baghouse Hopper Int	4/4/2011	1330	G	X2	1				X
-03	Coalescing Filter Box Ext	4/4/2011	1330	G	X2	1				X
-04	Condenser Base Ext	4/4/2011	1330	G	X2	1				X
-05	PreFilter Box Ext	4/4/2011	1330	G	X2	1				X

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

ASAP

Relinquished by:	Received by:	Date:	Time:	Temp °C
		4/5/11	10:00	17.0

☐ EDD Format
☒ E-mail to RSIMMONS@MAXYMILLIAN.COM
JSMITH@MAXYMILLIAN.COM

☒ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp: °C ☐ Freezer temp: °C

From: (908) 834-2148
Robyn Darrow
MAXYMILLIAN TECHNOLOGIES
333 Hamilton Blvd

South Plainfield, NJ 07080

Origin ID: LDJA

FedEx Express

J1115110250225

Ship Date: 04APR11
ActWgt: 3.0 LB
CAD: 101483311/INET3130

Delivery Address Bar Code

SHIP TO: (413) 789-9018

BILL SENDER

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Spectrum Analytical
11 ALMGREN DR

AGAWAM, MA 01001

Ref #
Invoice #
PO #
Dept #

TUE - 05 APR A2
PRIORITY OVERNIGHT

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0201

ZB EHTA

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BDL

50D33/25A0/7EFB

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3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

MAXYMILLIAN Technologies
1601 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment #: Baghouse Hopper

Number of samples taken from equipment: 2

Location of samples taken: Interior / Exterior

Applicable wipe sample results pass Yes ✓ No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ____

Laboratory report attached Yes ✓ No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ____ No ____

SES inspected this/these items and has also seen the analytical report. Yes ____ No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDY Sign Name [signature] 4/15/11

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

April 4, 2011

Kim Lickfield
Project Manager
Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14305

Dear Mr. Lickfield:

As outlined in Maxymillian Technologies' Demobilization Plan for the LTTD unit from the Cornell Dubilier Superfund Site, we are providing notification of LTTD components that do not meet the decontamination verification sampling criteria listed in the Plan.

LTTD COMPONENT	WIPE SAMPLE RESULT
Quench Sump - Interior	4420 ug/100 cm^2
Baghouse Hopper - Interior	115 ug/100 cm^2
PreFilter Box - Interior	3160 ug/100 cm^2
Coalesing Filter Box - Interior	704 ug/100 cm^2
Condenser Base - Interior	2759 ug/100 cm^2

The above listed components have elevated levels of PCBs above the 40 CFR 761.76 standard and will continue to be used exclusively with the LTTD unit at PCB contaminated sites until such time as they are properly decontaminated, scrapped or disposed.

Very truly yours,

MAXYMILLIAN TECHNOLOGIES, INC.

John B. Anthony
Senior Vice President

cc: File

f/ rs/CDE/Decon Letter 2

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Baghouse Hopper Ceramic

EQUIPMENT NUMBER: n/a

DATE DECONTAMINATED: 3/30/11

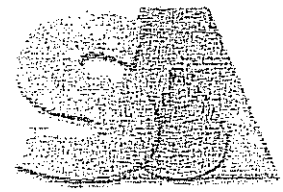
PROCEDURE USED/ Items of Note:

Equipment was used in the LTTD process. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

Report Date:
01-Apr-11 17:02



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Labpratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26366-01	Trip Blank	Wipe	30-Mar-11 12:00	31-Mar-11 10:15
SB26366-02	Quench Sump Int	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-03	Quench Sump Ext	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-04	BH Hopper Ext	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-05	BH Hopper Int	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-06	PreFilter Box Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-07	PreFilter Box Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-08	Coalesing Filter Box Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-09	Coalesing Filter Box Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-10	Condenser Base Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-11	Condenser Base Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-12	Control Room Ext	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-13	Control Room Int 1	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-14	Control Room Int 2	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-15	Plant Air Low Ext 1	Wipe	30-Mar-11 14:30	31-Mar-11 10:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840/
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 21 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 2.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB26366-02 *Quench Sump Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-05 *BH Hopper Int*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248
Aroclor-1254

SB26366-05RE1 *BH Hopper Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB26366-06 *PreFilter Box Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-08 *Coalesing Filter Box Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-09 *Coalesing Filter Box Ext*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254

SW846 8082A

Samples:

SB26366-09RE1 *Coalesing Filter Box Ext*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB26366-11 *Condenser Base Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank B26366-01	09007	Wipe	30-Mar-11 12:00	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.15	J	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.16	J	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	100			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	82			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	84			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	80			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BH Hopper Ext SB26366-04	09007	Wipe	30-Mar-11 10:00	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.28		µg/Wipe	0.20	0.07	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.29		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	97			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	76			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	86			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	96			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BH Hopper Int SB26366-05	09007	Wipe	30-Mar-11 10:00	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.06	1	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	38.4	E	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	96.3	E	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	110			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	76			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	90			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	89			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	2.00	0.78	10	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	2.00	1.11	10	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	2.00	1.29	10	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	2.00	0.88	10	"	"	"	"	"	
12672-29-6	Aroclor-1248	36.7		µg/Wipe	2.00	0.57	10	"	"	"	"	"	
11097-69-1	Aroclor-1254	78.3		µg/Wipe	2.00	0.79	10	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	2.00	0.96	10	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	2.00	0.93	10	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	2.00	0.77	10	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	90			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	90			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	95			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	125			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105654 - SW846 3550B/C										
Blank (1105654-BLK1)					Prepared: 31-Mar-11 Analyzed: 01-Apr-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.262*		µg/Wipe		*0.200*		*131*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.204*		µg/Wipe		*0.200*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.239*		µg/Wipe		*0.200*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.205*		µg/Wipe		*0.200*		*103*	*30-150*		
LCS (1105654-BS1)					Prepared: 31-Mar-11 Analyzed: 01-Apr-11					
Aroclor-1016	2.31		µg/Wipe	0.08	2.50		93	50-140		
Aroclor-1016 [2C]	2.51		µg/Wipe	0.10	2.50		100	50-140		
Aroclor-1260	2.65		µg/Wipe	0.10	2.50		106	50-140		
Aroclor-1260 [2C]	2.63		µg/Wipe	0.08	2.50		105	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.230*		µg/Wipe		*0.200*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.195*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.243*		µg/Wipe		*0.200*		*122*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.225*		µg/Wipe		*0.200*		*113*	*30-150*		
LCS Dup (1105654-BSD1)					Prepared: 31-Mar-11 Analyzed: 01-Apr-11					
Aroclor-1016	2.33		µg/Wipe	0.08	2.50		93	50-140	0.8	30
Aroclor-1016 [2C]	2.26		µg/Wipe	0.10	2.50		90	50-140	11	30
Aroclor-1260	2.67		µg/Wipe	0.10	2.50		107	50-140	0.8	30
Aroclor-1260 [2C]	2.49		µg/Wipe	0.08	2.50		100	50-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.227*		µg/Wipe		*0.200*		*114*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.200*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.231*		µg/Wipe		*0.200*		*116*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.206*		µg/Wipe		*0.200*		*103*	*30-150*		

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB26366 (8)

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page ____ of ____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXY Million Technologies
1801 East St
Pittsfield, MA 01201

Telephone #: 413 499 3050
Project Mgr. J. Smith

Invoice To: MAXYmillian Technologies
1801 East St
Pittsfield, MA 01201

P.O. No.: 3732 RQN: 6538

Project No.: 09007
Site Name: CDF
Location: S. Plainfield State: NJ
Sampler(s): J. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= ICE 11= Hexane

List preservative code below: 1 | 1

QA/QC Reporting Notes:
* additional charges may apply.

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Wipe X2= _____ X3= _____

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			3550C Ext PCBs							
SB26366-01	Trip Blank	3/30/11	1200	G	X1	1						X							
-02	Quench Sump Int	3/30/11	1000	G	X1	1						X							
-03	Quench Sump Ext	3/30/11	1000	G	X1	1						X							
-04	BH Hopper Ext	3/30/11	1000	G	X1	1						X							
-05	BH Hopper Int	3/30/11	1000	G	X1	1						X							
-06	Prefilter Box Int	3/30/11	1030	G	X1	1						X							
-07	Prefilter Box Ext	3/30/11	1030	G	X1	1						X							
-08	Coalesing Filter Box Int	3/30/11	1030	G	X1	1						X							
-09	Coalesing Filter Box Ext	3/30/11	1030	G	X1	1						X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
Corey Jones	[signature]	3/31/11	1015	2.7
Fedex				

☐ EDD Format _____
☒ E-mail to rsimmons@maxymillian.com
JSmith@maxymillian.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

Melted

SB26366

SPECTRUM ANALYTICAL, INC
Formerly
HANNAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page _____ of _____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
  - All TATs subject to laboratory approval.
  - Min. 24-hour notification needed for rushes.
  - Samples disposed of after 60 days unless otherwise instructed.

Report To: Mary Millian Technologies
180 East St
Rothfield, MA 01201

Telephone #: 413 499 3050
Project Mgr. J. Smith

Invoice To: MaryMillian Tech
180 East St
Rothfield, MA

P.O. No.: 3737 RQN: 6538

Project No.: 6900
Site Name: CDF
Location: S. Plainfield State: NJ
Sampler(s): J. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes:
*additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Wipe X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8260 Cl Ref Pcbs								QA/QC Reporting Level / MA DEP MCP CAM Report: Yes ☐ No ☐ / CT DPH RCP Report: Yes ☐ No ☐ / State-specific reporting standards:
SB26366-10	Condenser Base Ext	3/30/14	1030	G	X1	1				X								
-11	Condenser Base Int	3/30/14	1030	G	X1	1				X								
-12	Control Room Ext	3/30/14	1100	G	X1	1				X								
-13	Control Room Int 1	3/30/14	1100	G	X1	1				X								
-14	Control Room Int 2	3/30/14	1100	G	X1	1				X								
-15	Plant Air Ext 4	3/30/14	1430	G	X1	1				X								

Standard QA/QC Reporting Level: ☐ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER V* ☐ Other _____

Relinquished by:	Received by:	Date:	Time:	Temp°C
Corey Jones				
Fed Ex		3/31/14	1015	2.7

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☐ E-mail to ESimmons@MaryMillian.com JSmith@MaryMillian.com

☐ Ambient ☑ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

Report Date:
06-Apr-11 13:09

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26564-01	Trip Blank	Wipe	04-Apr-11 13:30	05-Apr-11 10:00
SB26564-02	Baghouse Hopper Int retake	Wipe	04-Apr-11 13:30	05-Apr-11 10:00
SB26564-03	Coalescing Filter Box Ext	Wipe	04-Apr-11 13:30	05-Apr-11 10:00
SB26564-04	Condenser Base Ext	Wipe	04-Apr-11 13:30	05-Apr-11 10:00
SB26564-05	Prefilter Box Ext	Wipe	04-Apr-11 13:30	05-Apr-11 10:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 9 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 17.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB26564-01	09007	Wipe	04-Apr-11 13:30	05-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	05-Apr-11	06-Apr-11	IMR	1105976	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	55			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	62			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	64			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	70			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Baghouse Hopper Int 3B26564-02	09007	Wipe	04-Apr-11 13:30	05-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	05-Apr-11	06-Apr-11	IMR	1105976	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	1.39		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	1.20		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	78			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	80			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	92			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	98			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105976 - SW846 3550B/C										
Blank (1105976-BLK1)					Prepared: 05-Apr-11 Analyzed: 06-Apr-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.146*		µg/Wipe		*0.200*		*73*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.173*		µg/Wipe		*0.200*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.154*		µg/Wipe		*0.200*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.162*		µg/Wipe		*0.200*		*81*	*30-150*		
LCS (1105976-BS1)					Prepared: 05-Apr-11 Analyzed: 06-Apr-11					
Aroclor-1016	2.47		µg/Wipe	0.08	2.50		99	50-140		
Aroclor-1016 [2C]	2.36		µg/Wipe	0.10	2.50		94	50-140		
Aroclor-1260	2.31		µg/Wipe	0.10	2.50		93	50-140		
Aroclor-1260 [2C]	2.40		µg/Wipe	0.08	2.50		96	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.150*		µg/Wipe		*0.200*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.136*		µg/Wipe		*0.200*		*68*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.145*		µg/Wipe		*0.200*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.208*		µg/Wipe		*0.200*		*104*	*30-150*		
LCS Dup (1105976-BSD1)					Prepared: 05-Apr-11 Analyzed: 06-Apr-11					
Aroclor-1016	2.32		µg/Wipe	0.08	2.50		93	50-140	6	30
Aroclor-1016 [2C]	2.48		µg/Wipe	0.10	2.50		99	50-140	5	30
Aroclor-1260	2.31		µg/Wipe	0.10	2.50		92	50-140	0.2	30
Aroclor-1260 [2C]	2.30		µg/Wipe	0.08	2.50		92	50-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.149*		µg/Wipe		*0.200*		*74*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.155*		µg/Wipe		*0.200*		*78*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.165*		µg/Wipe		*0.200*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.170*		µg/Wipe		*0.200*		*85*	*30-150*		

Notes and Definitions

U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB 26564 [illegible]

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

List preservative code below: 11

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

QA/QC Reporting Notes: additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards: ASAP

Lab Id	Sample Id	Date	Time	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			3550C PCB							
26564 01	Trip Blank	4/4/2011	1330	G	X2	1						X							
02	Baghouse Hopper Int	4/4/2011	1330	G	X2	1						X							
03	Coalescing Filter Box Ext	4/4/2011	1330	G	X2	1						X							
04	Condenser Base Ext	4/4/2011	1330	G	X2	1						X							
05	PreFilter Box Ext	4/4/2011	1330	G	X2	1						X							

Relinquished by:	Received by:	Date:	Time:	Temp:
[signature]	[signature]			
[signature]	[signature]	4/5/11	10:00	17.0

☐ EDD Format
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JSMITH@MAXYMILLIAN.COM

☒ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp: °C ☐ Freeze temp: °C

From: (908) 834-2146
Robyn Darrow
MAXYMILLIAN TECHNOLOGIES
333 Hamilton Blvd

South Plainfield, NJ 07080

Origin ID: LDJA

FedEx Express

J1115:102250225

Ship Date: 04APR11
ActWgt 3.0 LB
CAD: 101463311/INET3130

Delivery Address Bar Code

SHIP TO: (413) 789-9018

BILL SENDER

Spectrum Analytical
Spectrum Analytical
11 ALMGREN DR

AGAWAM, MA 01001

Ref #
Invoice #
PO #
Dept #

TUE - 05 APR A2
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0201

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01001
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3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield. NJ 07080

Description of or Equipment # Quench Sump

Number of samples taken from equipment. 2

Location of samples taken: Exterior / Interior

Applicable wipe sample results pass Yes X No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes____ No____

Laboratory report attached Yes X No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes X No ____

SES inspected this/these items and has also seen the analytical report. Yes X No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name [signature] 4/15/11

IC4

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

April 4, 2011

Kim Lickfield
Project Manager
Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14305

Dear Mr. Lickfield:

As outlined in Maxymillian Technologies' Demobilization Plan for the LTTD unit from the Cornell Dubilier Superfund Site, we are providing notification of LTTD components that do not meet the decontamination verification sampling criteria listed in the Plan.

LTTD COMPONENT	WIPE SAMPLE RESULT
Quench Sump - Interior	4420 ug/100 cm^2
Baghouse Hopper - Interior	115 ug/100 cm^2
PreFilter Box - Interior	3160 ug/100 cm^2
Coalesing Filter Box - Interior	704 ug/100 cm^2
Condenser Base - Interior	2759 ug/100 cm^2

The above listed components have elevated levels of PCBs above the 40 CFR 761.76 standard and will continue to be used exclusively with the LTTD unit at PCB contaminated sites until such time as they are properly decontaminated, scrapped or disposed.

Very truly yours,

MAXYMILLIAN TECHNOLOGIES, INC.

John B. Anthony
Senior Vice President

cc: File

f/ rs/CDE/Decon Letter 2

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

/ / /

EQUIPMENT: Quench Sump

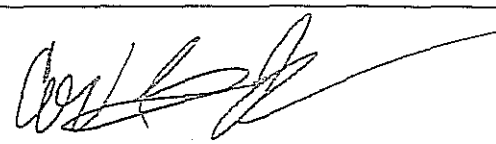
EQUIPMENT NUMBER: n/a

DATE DECONTAMINATED: 3/30/11

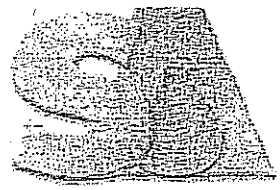
PROCEDURE USED/ Items of Note:

Equipment was used in the LTTD process. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination.

Decontamination Personnel: Dan Dargie/Felix Carrabohl

Corey Jones (Site Safety Health Officer)	 Signature

Report Date:
01-Apr-11 17:02



☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

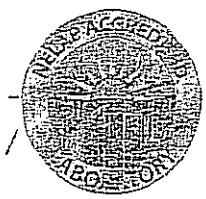
Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26366-01	Trip Blank	Wipe	30-Mar-11 12:00	31-Mar-11 10:15
SB26366-02	Quench Sump Int	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-03	Quench Sump Ext	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-04	BH Hopper Ext	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-05	BH Hopper Int	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-06	PreFilter Box Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-07	PreFilter Box Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-08	Coalesing Filter Box Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-09	Coalesing Filter Box Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-10	Condenser Base Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-11	Condenser Base Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-12	Control Room Ext	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-13	Control Room Int 1	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-14	Control Room Int 2	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-15	Plant Air Low Ext 1	Wipe	30-Mar-11 14:30	31-Mar-11 10:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 21 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 2.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB26366-02 *Quench Sump Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-05 *BH Hopper Int*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248
Aroclor-1254

SB26366-05RE1 *BH Hopper Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB26366-06 *PreFilter Box Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-08 *Coalesing Filter Box Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-09 *Coalesing Filter Box Ext*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254

SW846 8082A

Samples:

SB26366-09RE1 *Coalesing Filter Box Ext*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB26366-11 *Condenser Base Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Wipe Blank 16366-01	09007	Wipe	30-Mar-11 12:00	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.15	J	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.16	J	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	100			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	82			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	84			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	80			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Quench Sump Int SB26366-02	09007	Wipe	30-Mar-11 10:00	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C			GS1										
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	100	39.0	500	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	100	55.4	500	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	100	64.7	500	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	100	44.2	500	"	"	"	"	"	
12672-29-6	Aroclor-1248	2,280		µg/Wipe	100	26.4	500	"	"	"	"	"	
11097-69-1	Aroclor-1254	2,140		µg/Wipe	100	39.3	500	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	100	47.9	500	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	100	46.3	500	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	100	38.7	500	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	0	S01, U		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	0	S01, U		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	0	S01, U		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	0	S01, U		*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Quench Sump Ext 3B26366-03	09007	Wipe	30-Mar-11 10:00	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.06	1	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	3.27		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	5.70		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	86			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	78			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	77			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	96			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105654 - SW846 3550B/C										
Blank (1105654-BLK1)					Prepared: 31-Mar-11 Analyzed: 01-Apr-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.262*		µg/Wipe		*0.200*		*131*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.204*		µg/Wipe		*0.200*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.239*		µg/Wipe		*0.200*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.205*		µg/Wipe		*0.200*		*103*	*30-150*		
LCS (1105654-BS1)					Prepared: 31-Mar-11 Analyzed: 01-Apr-11					
Aroclor-1016	2.31		µg/Wipe	0.08	2.50		93	50-140		
Aroclor-1016 [2C]	2.51		µg/Wipe	0.10	2.50		100	50-140		
Aroclor-1260	2.65		µg/Wipe	0.10	2.50		106	50-140		
Aroclor-1260 [2C]	2.63		µg/Wipe	0.08	2.50		105	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.230*		µg/Wipe		*0.200*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.195*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.243*		µg/Wipe		*0.200*		*122*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.225*		µg/Wipe		*0.200*		*113*	*30-150*		
LCS Dup (1105654-BSD1)					Prepared: 31-Mar-11 Analyzed: 01-Apr-11					
Aroclor-1016	2.33		µg/Wipe	0.08	2.50		93	50-140	0.8	30
Aroclor-1016 [2C]	2.26		µg/Wipe	0.10	2.50		90	50-140	11	30
Aroclor-1260	2.67		µg/Wipe	0.10	2.50		107	50-140	0.8	30
Aroclor-1260 [2C]	2.49		µg/Wipe	0.08	2.50		100	50-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.227*		µg/Wipe		*0.200*		*114*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.200*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.231*		µg/Wipe		*0.200*		*116*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.206*		µg/Wipe		*0.200*		*103*	*30-150*		

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB26366 (8)

SPECTRUM ANALYTICAL, INC.
Formerly
HANDAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page ____ of ____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXY Millian Technologies
1801 East St
Pittsfield, MA 01201

Telephone #: 913 499 3050
Project Mgr. J. Smith

Invoice To: MAXYmillian Technologies
1801 East St
Pittsfield, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDF
Location: S. Plainfield State: NJ
Sampler(s): J. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= ICE 11= Hexane

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Wipe X2= _____ X3= _____

G=Grab C=Composite

List preservative code below: 1 1

QA/QC Reporting Notes: * additional charges may apply.

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER V* ☐ Other _____

State-specific reporting standards:

Lab Id.	Sample Id.	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			3550C Ext PCBs						
SB26366-01	Trip Blank	3/30/11	1200	G	X1	1						X						
-02	Quench Sump Int	3/30/11	1000	G	X1	1						X						
-03	Quench Sump Ext	3/30/11	1000	G	X1	1						X						
-04	BH Hopper Ext	3/30/11	1000	G	X1	1						X						
-05	BH Hopper Int	3/30/11	1000	G	X1	1						X						
-06	Prefilter Box Int	3/30/11	1030	G	X1	1						X						
-07	Prefilter Box Ext	3/30/11	1030	G	X1	1						X						
-08	Coalesing Filter Box Int	3/30/11	1030	G	X1	1						X						
-09	Coalesing Filter Box Ext	3/30/11	1030	G	X1	1						X						

Relinquished by:	Received by:	Date:	Time:	Temp°C
Corey Jones	[signature]	3/31/11	1015	2.7
Fedex				

☐ EDD Format _____
☑ E-mail to rsimmons@maxymillian.com
JSmith@MAXYMillian.com

☐ Ambient ☑ Iced ☐ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

melted

SB26366

SPECTRUM ANALYTICAL, INC.
Formerly
HANNAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page _____ of _____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Maxymillian Technologies
160 East St
Plainfield, MA 01201

Telephone #: 413 499 3050
Project Mgr. J. Smith

Invoice To: Maxymillian Tech
1501 East St
Plainfield, MA

P.O. No.: 3737 RQN: 6538

Project No.: 07007
Site Name: CDF
Location: S. Plainfield State: NJ
Sampler(s): J. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes:
*additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Wipe X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 3550 EPH/TPH							
SB26366-10	Condenser Base Int	3/30/11	1030	G	Wi	1				X							
-11	Condenser Base Int	3/30/11	1030	G	Wi	1				X							
-12	Control Room Int	3/30/11	1100	G	Wi	1				X							
-13	Control Room Int	3/30/11	1100	G	Wi	1				X							
-14	Control Room Int-2	3/30/11	1100	G	Wi	1				X							
-15	Plant Air Lock Ext-1	3/30/11	1430	G	Wi	1				X							

Containers: # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic

Analyses: 3550 EPH/TPH

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ EQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Corey Jones				
Fed Ex		3/31/11	1015	2.7

☐ EDD Format _____
☐ E-mail to rsimmons@maxymillian.com
jsmith@maxymillian.com

☐ Ambient ☑ Iced ☐ Refrigerated ☐ Fridge temp: ___ °C ☐ Freezer temp ___ °C

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Radial Stacker

Number of samples taken from equipment. 1

Location of samples taken: Lower End Belt Guard

	Yes	No	
Wipe sample results pass	X		LAB Results See page 5 of 12
Visible inspection pass	X		
Laboratory report attached	X		

SES inspected this/these items and has also seen the analytical report. Yes [X] No [ ]

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

Shipped 04/11/11

SES Representative

Print Name Davis Rayfus Sign Name

4 of

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Radial Stacker

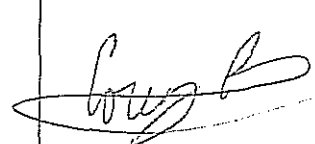
EQUIPMENT NUMBER:

DATE DECONTAMINATED: 3/7/11

PROCEDURE USED/ Items of Note:

Equipment was used for stockpiling the treated soil. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40.cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Tim Dargie

Corey Jones (Site Safety Health Officer)	 Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
10-Mar-11 15:03

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB25384-01	Blank	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-02	Jacking Conveyor	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-03	Radial Stacker	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-04	#1 Compressor 260	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-05	#1 Compressor 750	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-06	#2 Compressor 260	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-07	#2 Compressor 750	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-08	Pugmill Shaft	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-09	Auger Shaft	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-10	924 Cat 1	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-11	924 Cat 2	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-12	924 Cat 3	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-13	Heater 1	Wipe	08-Mar-11 09:00	09-Mar-11 11:00
SB25384-14	Heater 2	Wipe	08-Mar-11 09:00	09-Mar-11 11:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 12 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 9.8 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Blank SB25384-01	09007	Wipe	08-Mar-11 09:00	09-Mar-11

No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	09-Mar-11	09-Mar-11	IMR	1104106	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.69		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.71		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	33			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	34			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	38			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	36			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
[illegible]king Conveyor 5384-02	09007	Wipe	08-Mar-11 09:00	09-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	09-Mar-11	09-Mar-11	IMR	1104106	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.41		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	54			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	53			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	66			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	62			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Radial Stacker	09007	Wipe	08-Mar-11 09:00	09-Mar-11
SB25384-03				

No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	09-Mar-11	09-Mar-11	IMR	1104106	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	1.21		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	1.63		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	54			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	58			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	64			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	62			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
#1 Compressor 260	09007	Wipe	08-Mar-11 09:00	09-Mar-11
25384-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	09-Mar-11	09-Mar-11	IMR	1104106	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.18	J	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.12	J	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	52			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	54			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	62			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	55			*30-150 %*			"	"	"	"	"	

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Silo Fan

Number of samples taken from equipment 1

Location of samples taken: Exterior

	Yes	No	
Wipe sample results pass <10ug/wipe See attached lab	X		LAB results pg. 12 of 19
Visible inspection pass	X		
Laboratory report attached	X		

SES inspected this/these items and has also seen the analytical report. Yes [X] No [ ]

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name DAVIS RAVEN Sign Name [signature] 09/05/11

FCJ

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Silo Fan

EQUIPMENT NUMBER: N/A

DATE DECONTAMINATED: 3/7/11

PROCEDURE USED/ Items of Note:

Equipment was used at the discharge end of plant in the rehydration process. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Dan Dargie/Charlie Mcvey

Corey Jones (Site Safety Health Officer)	 Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
17-Mar-11 14:08

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB25665-01	Blank	Wipe	15-Mar-11 10:30	16-Mar-11 10:00
SB25665-02	condenser 1 Int	Wipe	15-Mar-11 11:00	16-Mar-11 10:00
SB25665-03	condenser 1 Ext	Wipe	15-Mar-11 11:00	16-Mar-11 10:00
SB25665-04	condenser 2 Int	Wipe	15-Mar-11 11:00	16-Mar-11 10:00
SB25665-05	condenser 2 Ext	Wipe	15-Mar-11 11:00	16-Mar-11 10:00
SB25665-06	Calciner 1	Wipe	15-Mar-11 10:30	16-Mar-11 10:00
SB25665-07	Calciner 2	Wipe	15-Mar-11 10:30	16-Mar-11 10:00
SB25665-08	Calciner 3	Wipe	15-Mar-11 10:30	16-Mar-11 10:00
SB25665-09	Silo Fan	Wipe	15-Mar-11 14:30	16-Mar-11 10:00
SB25665-10	Quench Top Int	Wipe	15-Mar-11 15:00	16-Mar-11 10:00
SB25665-11	Quench Top Ext	Wipe	15-Mar-11 15:00	16-Mar-11 10:00
SB25665-12	Water Cooler	Wipe	15-Mar-11 14:00	16-Mar-11 10:00
SB25665-13	Chiller	Wipe	15-Mar-11 11:30	16-Mar-11 10:00
SB25665-14	Comb Air Fan	Wipe	15-Mar-11 14:30	16-Mar-11 10:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 19 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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CASE NARRATIVE:

The samples were received 12.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB25665-02 *condenser 1 Int*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248 [2C]
Aroclor-1254 [2C]

SB25665-04 *condenser 2 Int*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248 [2C]
Aroclor-1254

SB25665-10 *Quench Top Int*

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Silo Fan SB25665-09	09007	Wipe	15-Mar-11 14:30	16-Mar-11

o.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	16-Mar-11	16-Mar-11	IMR	1104535	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.38		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	66			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	70			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	86			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	88			*30-150 %*			"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1104535 - SW846 3550B/C										
Blank (1104535-BLK1)					Prepared & Analyzed: 16-Mar-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.179*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.195*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.229*		µg/Wipe		*0.200*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.216*		µg/Wipe		*0.200*		*108*	*30-150*		
LCS (1104535-BS1)					Prepared & Analyzed: 16-Mar-11					
Aroclor-1016	2.07		µg/Wipe	0.08	2.50		83	50-140		
Aroclor-1016 [2C]	2.22		µg/Wipe	0.10	2.50		89	50-140		
Aroclor-1260	2.14		µg/Wipe	0.10	2.50		86	50-140		
Aroclor-1260 [2C]	1.84		µg/Wipe	0.08	2.50		74	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.181*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.194*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.230*		µg/Wipe		*0.200*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.221*		µg/Wipe		*0.200*		*111*	*30-150*		
LCS Dup (1104535-BSD1)					Prepared & Analyzed: 16-Mar-11					
Aroclor-1016	2.08		µg/Wipe	0.08	2.50		83	50-140	0.6	30
Aroclor-1016 [2C]	2.22		µg/Wipe	0.10	2.50		89	50-140	0.1	30
Aroclor-1260	2.14		µg/Wipe	0.10	2.50		86	50-140	0	30
Aroclor-1260 [2C]	1.90		µg/Wipe	0.08	2.50		76	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.181*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.196*		µg/Wipe		*0.200*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.230*		µg/Wipe		*0.200*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.237*		µg/Wipe		*0.200*		*119*	*30-150*		

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Nicole Leja

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield. NJ 07080

Description of or Equipment # Feed Hopper (pug m. 11)

Number of samples taken from equipment. 2

Location of samples taken: *Exterior / Exterior x

	Yes	No
Wipe sample results pass <10ug/wipe See attached lab	X	
Visible inspection pass	X	
Laboratory report attached	X	

* Exterior Sample < 10ug/100cm²
Interior Sample of hopper ~~Failed~~ For Info only as per LTD Demobilization Plan

SES inspected this/these items and has also seen the analytical report. Yes X No

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name Davis Ranch Sign Name [signature] 04/05/11

1 of 1

Maxymillian Technologies, Inc.
CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Feed Hopper

EQUIPMENT NUMBER:

DATE DECONTAMINATED: 3/7/11

PROCEDURE USED/ Items of Note:

Equipment was used to handling treated soil. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Leo Charles/Oscar Bozarth

Corey Jones (Site Safety Health Officer)	Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
21-Mar-11 16:54

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB25804-01	Blank Trip	Wipe	17-Mar-11 10:30	18-Mar-11 11:00
SB25804-02	Feed Pugmill Int	Wipe	17-Mar-11 10:30	18-Mar-11 11:00
SB25804-03	Feed Pugmill Ext	Wipe	17-Mar-11 11:00	18-Mar-11 11:00
SB25804-04	Feed Hopper Int	Wipe	17-Mar-11 11:00	18-Mar-11 11:00
SB25804-05	Feed Hopper Ext	Wipe	17-Mar-11 10:30	18-Mar-11 11:00
SB25804-06	Metals Debris 1	Wipe	17-Mar-11 12:00	18-Mar-11 11:00
SB25804-07	Metals Debris 2	Wipe	17-Mar-11 12:00	18-Mar-11 11:00
SB25804-08	Metals Debris 3	Wipe	17-Mar-11 12:00	18-Mar-11 11:00
SB25804-09	Metals Debris 4	Wipe	17-Mar-11 12:00	18-Mar-11 11:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 13 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 7.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Blank Trip SB25804-01	09007	Wipe	17-Mar-11 10:30	18-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	18-Mar-11	18-Mar-11	MR	1104789	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.26		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	35			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	36			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	45			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	50			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Feed Hopper Int	09007	Wipe	17-Mar-11 11:00	18-Mar-11
SB25804-04				

No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	18-Mar-11	18-Mar-11	IMR	1104769	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	14.7		µg/Wipe	0.20	0.07	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	37.0		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	72			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	85			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	87			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	110			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
~~Feed Hopper Ext~~	09007	Wipe	17-Mar-11 10:30	18-Mar-11
SB25804-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	18-Mar-11	18-Mar-11	IMR	1104769	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.67		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	64			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	62			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	76			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	70			*30-150 %*			"	"	"	"	"	

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Plant Air Compressor

Number of samples taken from equipment. 2

Location of samples taken: Exterior

Applicable wipe sample results pass Yes X No ____ SEE pgs 19 of 21 6 of 10
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No____

Laboratory report attached Yes X No _____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes_____ No _____ N/A

SES inspected this/these items and has also seen the analytical report. Yes X No _____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name Davis Rau Sign Name 04/05/11

FC4

Maxymilian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Plant Air Compressor

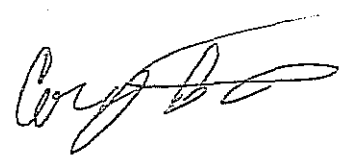
EQUIPMENT NUMBER: Electric

DATE DECONTAMINATED: 3/28/11

PROCEDURE USED/ Items of Note:

Equipment was used as plant air compressor. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
01-Apr-11 17:02

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY
Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26366-01	Trip Blank	Wipe	30-Mar-11 12:00	31-Mar-11 10:15
SB26366-02	Quench Sump Int	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-03	Quench Sump Ext	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-04	BH Hopper Ext	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-05	BH Hopper Int	Wipe	30-Mar-11 10:00	31-Mar-11 10:15
SB26366-06	PreFilter Box Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-07	PreFilter Box Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-08	Coalesing Filter Box Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-09	Coalesing Filter Box Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-10	Condenser Base Ext	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-11	Condenser Base Int	Wipe	30-Mar-11 10:30	31-Mar-11 10:15
SB26366-12	Control Room Ext	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-13	Control Room Int 1	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-14	Control Room Int 2	Wipe	30-Mar-11 11:00	31-Mar-11 10:15
SB26366-15	Plant Air Low Ext 1	Wipe	30-Mar-11 14:30	31-Mar-11 10:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 21 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 2.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt.
1 infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB26366-02 *Quench Sump Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-05 *BH Hopper Int*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1248
Aroclor-1254

SB26366-05RE1 *BH Hopper Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB26366-06 *PreFilter Box Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-08 *Coalesing Filter Box Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB26366-09 *Coalesing Filter Box Ext*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254

Samples:

SB26366-09RE1 *Coalesing Filter Box Ext*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB26366-11 *Condenser Base Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank IB2[illegible]6-01	09007	Wipe	30-Mar-11 12:00	31-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
2674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.15	J	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.16	J	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	100			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	82			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	84			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	80			*30-150 %*			"	"	"	"	"	

Sample Identification		Client Project #	Matrix	Collection Date/Time	Received
Plant Air Low Ext 1 Re Sample		09007	Wipe	30-Mar-11 14:30	31-Mar-11
SB26366-15					

Cas No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	31-Mar-11	01-Apr-11	SM	1105654	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.32		µg/Wipe	0.20	0.07	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.34		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	96			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	74			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	91			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	84			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Plant Air Com Ext 2 26227-04	09007	Wipe	28-Mar-11 14:30	29-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	29-Mar-11	30-Mar-11	IMR	1105441	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	1.99		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	1.42		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	71			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	77			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	64			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	74			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank 26227-05	09007	Wipe	28-Mar-11 14:30	29-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	29-Mar-11	30-Mar-11	IMR	1105441	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	60			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	60			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	54			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	60			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105654 - SW846 3550B/C										
Blank (1105654-BLK1)						Prepared: 31-Mar-11 Analyzed: 01-Apr-11				
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.262*		µg/Wipe		*0.200*		*131*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.204*		µg/Wipe		*0.200*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.239*		µg/Wipe		*0.200*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.205*		µg/Wipe		*0.200*		*103*	*30-150*		
LCS (1105654-BS1)						Prepared: 31-Mar-11 Analyzed: 01-Apr-11				
Aroclor-1016	2.31		µg/Wipe	0.08	2.50		93	50-140		
Aroclor-1016 [2C]	2.51		µg/Wipe	0.10	2.50		100	50-140		
Aroclor-1260	2.65		µg/Wipe	0.10	2.50		106	50-140		
Aroclor-1260 [2C]	2.63		µg/Wipe	0.08	2.50		105	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.230*		µg/Wipe		*0.200*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.195*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.243*		µg/Wipe		*0.200*		*122*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.225*		µg/Wipe		*0.200*		*113*	*30-150*		
LCS Dup (1105654-BSD1)						Prepared: 31-Mar-11 Analyzed: 01-Apr-11				
Aroclor-1016	2.33		µg/Wipe	0.08	2.50		93	50-140	0.8	30
Aroclor-1016 [2C]	2.26		µg/Wipe	0.10	2.50		90	50-140	11	30
Aroclor-1260	2.67		µg/Wipe	0.10	2.50		107	50-140	0.8	30
Aroclor-1260 [2C]	2.49		µg/Wipe	0.08	2.50		100	50-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.227*		µg/Wipe		*0.200*		*114*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.200*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.231*		µg/Wipe		*0.200*		*116*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.206*		µg/Wipe		*0.200*		*103*	*30-150*		

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
S1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB26366 (8)

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page ___ of ___

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXY Millian Technologies
1801 East St
Pitts Field, MA 01201

Telephone #: 913 499 3050
Project Mgr. J. Smith

Invoice To: MAXY Millian Technologies
1801 East St
Pitts Field, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDF
Location: S. Plain Field State: NJ
Sampler(s): J. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

List preservative code below: 1 | 1

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Wipe X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			3550C Ext PCBs						
SB26366-01	Trip Blank	3/30/11	1200	G	X1	1						X						
-02	Quench Sump Int	3/30/11	1000	G	X1	1						X						
-03	Quench Sump Ext	3/30/11	1000	G	X1	1						X						
-04	Bit Hopper Ext	3/30/11	1000	G	X1	1						X						
-05	Bit Hopper Int	3/30/11	1000	G	X1	1						X						
-06	Pre Filter Box Int	3/30/11	1030	G	X1	1						X						
-07	Pre Filter Box Ext	3/30/11	1030	G	X1	1						X						
-08	Coalesing Filter Box Int	3/30/11	1030	G	X1	1						X						
-09	Coalesing Filter Box Ext	3/30/11	1030	G	X1	1						X						

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Corey Jones	[signature]	3/31/11	1015	2.7
Fedex				

☐ EDD Format _____
☑ E-mail to rsimmons@maxymillian.com
JSmith@maxymillian.com

☐ Ambient ☑ Iced ☐ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

11 Almgren Drive · Agawam, MA 01001 · 413-789-9018 · FAX 413-789-4076 · www.spectrum-analytical.com

Revised July 2010

SB26366

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page ____ of ____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXY Millian Technologies
180 East St
Pittsfield, MA 01201

Telephone #: 413 499 3050
Project Mgr. J. Smith

Invoice To: Maxymillian Tech
1801 East St
Pittsfield, MA

P.O. No.: 3737 RQN: 6538

Project No.: 69007
Site Name: CDF
Location: S. Plainfield State: NJ
Sampler(s): J. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= 11=

List preservative code below:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Wipe X2= X3=

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			3550 Ext PCBs						
SB26366-10	Condenser Base Int	3/30/11	1030	G	X1	1						X						
-11	Condenser Base Int	3/30/11	1030	G	X1	1						X						
-12	Control room Int	3/30/11	1100	G	X1	1						X						
-13	Control room Int 2	3/30/11	1100	G	X1	1						X						
-14	Control room Int 2	3/30/11	1100	G	X1	1						X						
-15	Plant Air Low Ext 1	3/30/11	1430	G	X1	1						X						

Relinquished by:	Received by:	Date:	Time:	Temp°C
Corey Jones	[signature]	3/31/11	105	2.7
Fed Ex				

☐ EDD Format
☐ E-mail to rsimmons@maxymillian.com
JSmith@maxymillian.com

☐ Ambient ☑ Iced ☐ Refrigerated ☐ Fridge temp °C ☐ Freezer temp °C

11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com

Revised July 2010

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Baghouse, Ductwork

Number of samples taken from equipment. 0

Location of samples taken: 0

Applicable wipe sample results pass Yes ____ No ____ n/A
<10 ug/wipe
See attached lab
Visible inspection pass Yes_____ No_____

Laboratory report attached Yes_____ No _____ n/A

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes_____ No _____ n/A

SES inspected this/these items and has also seen the analytical report. Yes _____ No _____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name Dave S Rowe Sign Name

04/05/11

FCA

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Baghouse ductwork

EQUIPMENT NUMBER: n/a

DATE DECONTAMINATED: 3/14/11

PROCEDURE USED/ Items of Note:

Equipment was used as an ancillary component for baghouse. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

Report Date:
31-Mar-11 12:11

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26288-01	Bag House Top Ext	Wipe	29-Mar-11 14:30	30-Mar-11 10:30
SB26288-02	Trip Blank	Wipe	29-Mar-11 09:00	30-Mar-11 10:30
SB26288-03	Plant H2O Skid	Wipe	29-Mar-11 14:30	30-Mar-11 10:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 7 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 11.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Bag House Top Ext SB26288-01	09007	Wipe	29-Mar-11 14:30	30-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	30-Mar-11	31-Mar-11	IMR	1105525	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.26		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	74			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	81			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	74			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	78			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank B26288-02	09007	Wipe	29-Mar-11 09:00	30-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	30-Mar-11	31-Mar-11	IMR	1105525	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	74			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	78			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	76			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	77			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Plant H2O Skid SB26288-03	09007	Wipe	29-Mar-11 14:30	30-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.06	1	SW846 8082A	30-Mar-11	31-Mar-11	IMR	1105525	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.56		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	1.22		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	66			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	66			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	62			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	70			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105525 - SW846 3550B/C										
Blank (1105525-BLK1)						Prepared: 30-Mar-11 Analyzed: 31-Mar-11				
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.181*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.210*		µg/Wipe		*0.200*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.200*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.224*		µg/Wipe		*0.200*		*112*	*30-150*		
LCS (1105525-BS1)						Prepared: 30-Mar-11 Analyzed: 31-Mar-11				
Aroclor-1016	2.68		µg/Wipe	0.08	2.50		107	50-140		
Aroclor-1016 [2C]	2.65		µg/Wipe	0.10	2.50		106	50-140		
Aroclor-1260	2.39		µg/Wipe	0.10	2.50		96	50-140		
Aroclor-1260 [2C]	2.39		µg/Wipe	0.08	2.50		96	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.207*		µg/Wipe		*0.200*		*104*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.208*		µg/Wipe		*0.200*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.212*		µg/Wipe		*0.200*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.216*		µg/Wipe		*0.200*		*108*	*30-150*		
LCS Dup (1105525-BSD1)						Prepared: 30-Mar-11 Analyzed: 31-Mar-11				
Aroclor-1016	2.72		µg/Wipe	0.08	2.50		109	50-140	1	30
Aroclor-1016 [2C]	2.77		µg/Wipe	0.10	2.50		111	50-140	5	30
Aroclor-1260	2.34		µg/Wipe	0.10	2.50		94	50-140	2	30
Aroclor-1260 [2C]	2.47		µg/Wipe	0.08	2.50		99	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.221*		µg/Wipe		*0.200*		*111*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.221*		µg/Wipe		*0.200*		*111*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.211*		µg/Wipe		*0.200*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.216*		µg/Wipe		*0.200*		*108*	*30-150*		

Notes and Definitions

U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Rebecca Merz

SB26288

SPECTRUM ANALYTICAL, INC.
Featuring
HANBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page ____ of ____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: ____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXY Millian Technologies
1801 East St
Pittsfield, MA 01201

Telephone #: 413 499 3050
Project Mgr. J. Smith

Invoice To: MAXY Millian Techs
1801 East St
Pittsfield MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: S. Plainfield State: NJ
Sampler(s): J. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3= ____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other ____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			3550C PCB						
26288 01	Bag house top Ext	3/29/11	1430	G	x2	1						X						
02	Trip Blank	3/29/11	0900	G	x2	1						X						
03	Plant H2O Skid	3/29/11	1430	G	x2	1						X						

Relinquished by:	Received by:	Date:	Time:	Temp°C
Corey Jones	[signature]			
[signature]	[signature]	3/30/11	10:30	11.2

☐ EDD Format
☑ E-mail to: FSimmons@maxymillian.com
JSmith@maxymillian.com

☐ Ambient ☑ Iced ☐ Refrigerated ☐ Fridge temp ____°C ☐ Freezer temp ____°C

Melted

11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com

Revised July 2010

Voa Vial - H2SO4

169

200

FedEx Express — US Airbill

FedEx Tracking Number 8723 2699 7192

0215

1 From This portion can be removed for recipient's records.

Date 3/29/11 — FedEx Tracking Number 872376997192

Sender's Name Mary Ann Tod — Phone 413 [illegible]

Company MAYFIELD FAN TECHNOLOGIES

Address 3301 EAST ST

Dept/Floor/Suite/Room

City PITTSFIELD — State MA — ZIP 01201-0859

2 Your Internal Billing Reference

3 To

Recipient's Name — Phone

Company Speedway

Address 11 Alaska Drive

HOLD Weekday — FedEx location only. NOT available for FedEx First Overnight.

HOLD Saturday — FedEx location only. Available only for FedEx Priority Overnight, FedEx 2Day and FedEx International First.

Address

City Agawam — State MA — ZIP 01001

0420309823

8723 2699 7192

4a Express Package Service — Packages up to 150 lbs.

- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.*
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

4b Express Freight Service — * To most locations. — Packages over 150 lbs.

- [ ] FedEx 1Day Freight — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

** To most locations.

5 Packaging — * Declared value limit.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [ ] Other

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx First Overnight, FedEx Express Saver or FedEx 3Day Freight.
- [X] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fees apply.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fees apply.

Does this shipment contain dangerous goods?

One box must be checked.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — UN 1845 x kg
- [ ] Cargo Aircraft Only

7 Payment Bill to:

- [X] Sender — FedEx Acct. No. or Credit Card No. below
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Total Packages — Total Weight — Total Charges

605

Rev. Date 6/10 Part #150115 ©1994-2010 FedEx PRINTED IN U.S.A. SRS

8723 7699 7192

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RECIPIENT'S COPY

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Plant #20 skid

Number of samples taken from equipment. 1

Location of samples taken: Frame

Applicable wipe sample results pass Yes X No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes____ No____

Laboratory report attached Yes X No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes____ No ____ n/a

SES inspected this/these items and has also seen the analytical report. Yes ____ No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name David Rowe Sign Name 04/05/11

FCJ

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Plant Water Pump

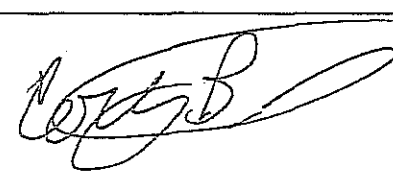
EQUIPMENT NUMBER: H2O

DATE DECONTAMINATED: 3/28/11

PROCEDURE USED/ Items of Note:

Equipment was used as plant water pump. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
31-Mar-11 12:11

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26288-01	Bag House Top Ext	Wipe	29-Mar-11 14:30	30-Mar-11 10:30
SB26288-02	Trip Blank	Wipe	29-Mar-11 09:00	30-Mar-11 10:30
SB26288-03	Plant H2O Skid	Wipe	29-Mar-11 14:30	30-Mar-11 10:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 7 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Bag House Top Ext SB26288-01	09007	Wipe	29-Mar-11 14:30	30-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	30-Mar-11	31-Mar-11	IMR	1105525	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.26		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	74			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	81			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	74			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	78			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank `26288-02	09007	Wipe	29-Mar-11 09:00	30-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	30-Mar-11	31-Mar-11	IMR	1105525	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	74			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	78			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	76			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	77			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Plant H2O Skid B326288-03	09007	Wipe	29-Mar-11 14:30	30-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	30-Mar-11	31-Mar-11	IMR	1105525	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.56		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	1.22		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	66			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	66			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	62			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	70			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105525 - SW846 3550B/C										
Blank (1105525-BLK1)					Prepared: 30-Mar-11 Analyzed: 31-Mar-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.181*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.210*		µg/Wipe		*0.200*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.200*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.224*		µg/Wipe		*0.200*		*112*	*30-150*		
LCS (1105525-BS1)					Prepared: 30-Mar-11 Analyzed: 31-Mar-11					
Aroclor-1016	2.68		µg/Wipe	0.08	2.50		107	50-140		
Aroclor-1016 [2C]	2.65		µg/Wipe	0.10	2.50		106	50-140		
Aroclor-1260	2.39		µg/Wipe	0.10	2.50		96	50-140		
Aroclor-1260 [2C]	2.39		µg/Wipe	0.08	2.50		96	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.207*		µg/Wipe		*0.200*		*104*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.208*		µg/Wipe		*0.200*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.212*		µg/Wipe		*0.200*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.216*		µg/Wipe		*0.200*		*108*	*30-150*		
LCS Dup (1105525-BSD1)					Prepared: 30-Mar-11 Analyzed: 31-Mar-11					
Aroclor-1016	2.72		µg/Wipe	0.08	2.50		109	50-140	1	30
Aroclor-1016 [2C]	2.77		µg/Wipe	0.10	2.50		111	50-140	5	30
Aroclor-1260	2.34		µg/Wipe	0.10	2.50		94	50-140	2	30
Aroclor-1260 [2C]	2.47		µg/Wipe	0.08	2.50		99	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.221*		µg/Wipe		*0.200*		*111*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.221*		µg/Wipe		*0.200*		*111*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.211*		µg/Wipe		*0.200*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.216*		µg/Wipe		*0.200*		*108*	*30-150*		

Notes and Definitions

U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Rebecca Merz

SB26288

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page ___ of ___

Special Handling:
- ☐ Standard TAT – 7 to 10 business days
- ☐ Rush TAT – Date Needed: ___
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMillian Technologies
1801 East St
Pittsfield, MA 01201

Telephone #: 413 499 3050
Project Mgr. J. Smith

Invoice To: MAXYmillian Techs
1801 east St
Pittsfield MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: S. Plainfield State: NJ
Sampler(s): J. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= TCE 11= Hexane

List preservative code below: 11

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			3550C PCB						
26288 01	Bag house top Ext	3/29/11	1430	G	x2	1						X						
02	Trip Blank	3/29/11	0900	G	x2	1						X						
03	Plant H2O Skid	3/29/11	1430	G	x2	1						X						

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other ___

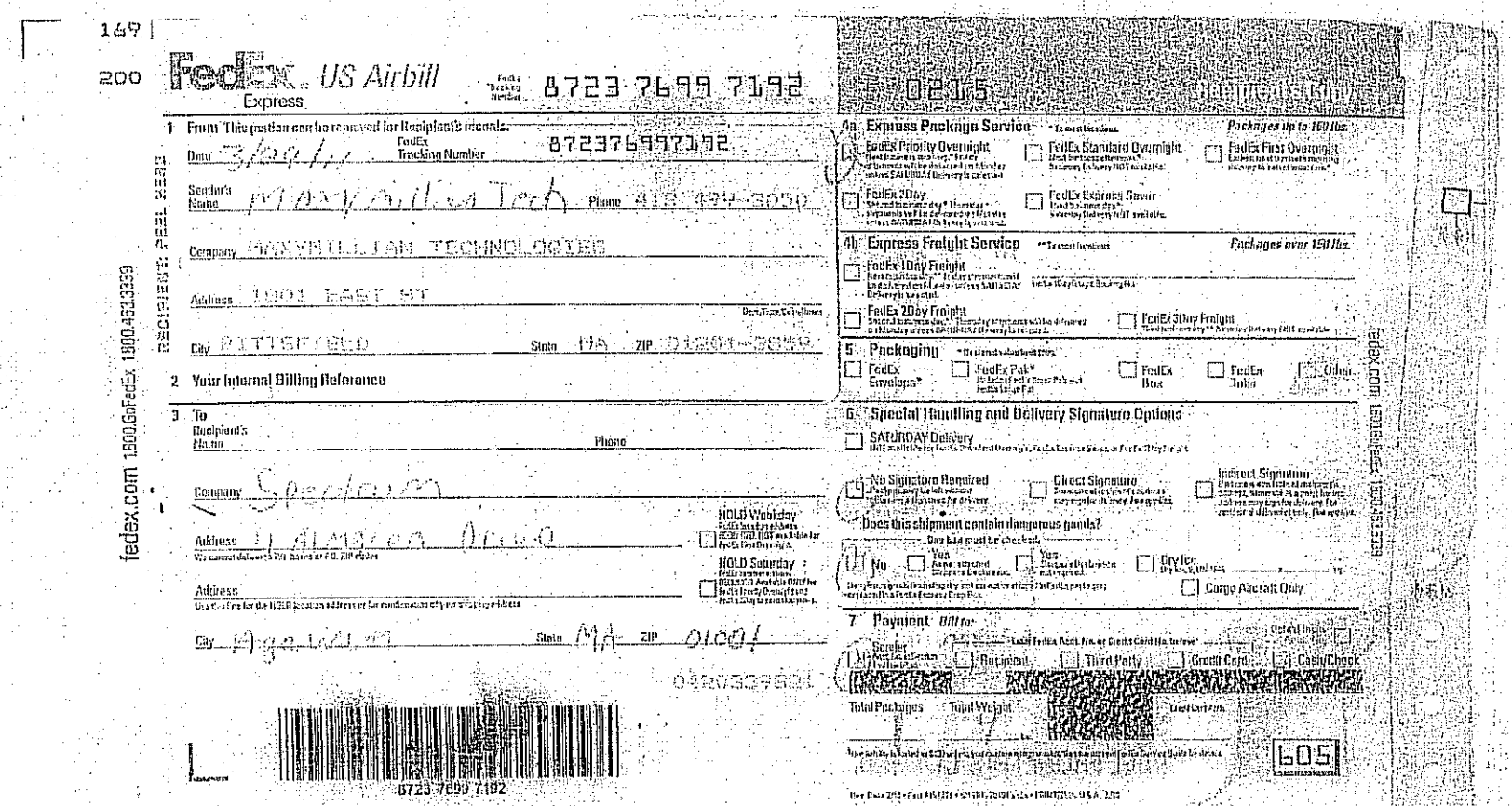
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Corey Jones	[signature]			
[signature]	[signature]	3/30/11	10:30	11.2

☐ EDD Format
☑ E-mail to: FSimmons@maxymillian.com
JSmith@maxymillian.com

☐ Ambient ☑ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

Melted



169

200

FedEx Express US Airbill

FedEx Tracking Number 8723 7699 7192

0215

1 From This portion can be removed for Recipient's records.

Date 3/09/11 FedEx Tracking Number 872376997192

Sender's Name Maxymillian Tech Phone 413 499-3050

Company MAXYMILLIAN TECHNOLOGIES

Address 1801 EAST ST

City PITTSFIELD State MA ZIP 01201-3858

2 Your Internal Billing Reference

3 To Recipient's Name Phone

Company Spectrum

Address 11 Almaden Drive

HOLD Weekday

HOLD Saturday

Address

City Agawam State MA ZIP 01001

0120339801

8723 7699 7192

4a Express Package Service — Packages up to 150 lbs.

- FedEx Priority Overnight
- FedEx Standard Overnight
- FedEx First Overnight
- FedEx 2Day
- FedEx Express Saver

4b Express Freight Service — Packages over 150 lbs.

- FedEx 1Day Freight
- FedEx 2Day Freight
- FedEx 3Day Freight

5 Packaging

- FedEx Envelope
- FedEx Pak
- FedEx Box
- FedEx Tube
- Other

6 Special Handling and Delivery Signature Options

- SATURDAY Delivery
- No Signature Required
- Direct Signature
- Indirect Signature

Does this shipment contain dangerous goods?

- No
- Yes
- Yes
- Dry Ice
- Cargo Aircraft Only

7 Payment Bill to:

- Sender
- Recipient
- Third Party
- Credit Card
- Cash/Check

Total Packages Total Weight

605

fedex.com 1800.GoFedEx 1800.463.3339

RECIPIENT: PEEL HERE

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Plant Air Dryer / Tank

Number of samples taken from equipment. 1

Location of samples taken: Exterior

Applicable wipe sample results pass Yes X No ____ SEE Pg 8 of 10 for Results
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ____

Laboratory report attached Yes X No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes ____ No ____ N/A

SES inspected this/these items and has also seen the analytical report. Yes X No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name Dave Rava Sign Name 04/05/11

FCJ

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Plant Air Tank

EQUIPMENT NUMBER: N/A

DATE DECONTAMINATED: 3/28/11

PROCEDURE USED/ Items of Note:

Equipment was used as plant air compressor. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Dan Dargie

Corey Jones (Site Safety Health Officer)	 Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Plant Air Dryer

EQUIPMENT NUMBER: Electric

DATE DECONTAMINATED: 3/28/11

PROCEDURE USED/ Items of Note:

Equipment was used as plant air compressor. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Dan Dargie

Corey Jones	Signature
(Site Safety Health Officer)	

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
30-Mar-11 12:59

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26227-01	Steam Plunnum Int	Wipe	28-Mar-11 13:30	29-Mar-11 10:00
SB26227-02	Steam Plunnum Ext	Wipe	28-Mar-11 13:30	29-Mar-11 10:00
SB26227-03	Plant Air Com Ext 1	Wipe	28-Mar-11 14:30	29-Mar-11 10:00
SB26227-04	Plant Air Com Ext 2	Wipe	28-Mar-11 14:30	29-Mar-11 10:00
SB26227-05	Trip Blank	Wipe	28-Mar-11 14:30	29-Mar-11 10:00
SB26227-06	Plant Air Dryer Ext	Wipe	28-Mar-11 15:30	29-Mar-11 10:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 10 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 9.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB26227-05	09007	Wipe	28-Mar-11 14:30	29-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	29-Mar-11	30-Mar-11	IMR	1105441	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	60			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	60			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	54			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	60			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Plant Air Dryer Ext B26227-06	09007	Wipe	28-Mar-11 15:30	29-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	29-Mar-11	30-Mar-11	IMR	1105441	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.59		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.42		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	54			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	58			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	54			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	52			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105441 - SW846 3550B/C										
Blank (1105441-BLK1)					Prepared: 29-Mar-11 Analyzed: 30-Mar-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.220*		µg/Wipe		*0.200*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.250*		µg/Wipe		*0.200*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.201*		µg/Wipe		*0.200*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.238*		µg/Wipe		*0.200*		*119*	*30-150*		
LCS (1105441-BS1)					Prepared: 29-Mar-11 Analyzed: 30-Mar-11					
Aroclor-1016	2.36		µg/Wipe	0.08	2.50		94	50-140		
Aroclor-1016 [2C]	2.52		µg/Wipe	0.10	2.50		101	50-140		
Aroclor-1260	2.00		µg/Wipe	0.10	2.50		80	50-140		
Aroclor-1260 [2C]	2.21		µg/Wipe	0.08	2.50		88	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.193*		µg/Wipe		*0.200*		*96*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.202*		µg/Wipe		*0.200*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.174*		µg/Wipe		*0.200*		*87*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.194*		µg/Wipe		*0.200*		*97*	*30-150*		
LCS Dup (1105441-BSD1)					Prepared: 29-Mar-11 Analyzed: 30-Mar-11					
Aroclor-1016	2.34		µg/Wipe	0.08	2.50		93	50-140	1	30
Aroclor-1016 [2C]	2.53		µg/Wipe	0.10	2.50		101	50-140	0.1	30
Aroclor-1260	1.99		µg/Wipe	0.10	2.50		80	50-140	0.5	30
Aroclor-1260 [2C]	2.17		µg/Wipe	0.08	2.50		87	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.190*		µg/Wipe		*0.200*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.200*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.161*		µg/Wipe		*0.200*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.176*		µg/Wipe		*0.200*		*88*	*30-150*		

Notes and Definitions

J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB 76,227

SPECTRUM ANALYTICAL, INC.
Featuring
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

List preservative code below: 11

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

Lab Id.	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 3550C PCB							
2,227.01	Steam Plunnum Int	3/28/2011	1330	G	X2	1				X							
-02	Steam Plunnum Ext	3/28/2011	1330	G	X2	1				X							
-03	Plant Air Com Ext 1	3/28/2011	1430	G	X2	1				X							
-04	Plant Air Com Ext 2	3/28/2011	1430	G	X2	1				X							
-05	Trip Blank	3/28/2011	1430	G	X2	1				X							
-06	Plant Air Dryer Ext	3/28/2011	1530	G	X2	1				X							

QA/QC Reporting Notes:
* additional charges may apply
MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐
QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER V*
☐ Other
State-specific reporting standards:
ASAP

Relinquished by:	Received by:	Date:	Time:	Temp °C:
[signature] Fedex	[signature]	3/29/11	1000	9.9

☐ RDD Format
☒ E-mail to RSIMMONS@MAXYMILLIAN.COM
JSMITH@MAXYMILLIAN.COM

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp °C ☐ Freezer temp °C

From: (908) 834-2145 Origin ID: LDJA
Robyn Darrow
MAXYMILLIAN TECHNOLOGIES
333 Hamilton Blvd

South Plainfield, NJ 07080

Ship Date: 28MAR11
ActWgt: 2.0 LB
CAD: 101483314/NET3130

Delivery Address Bar Code

Ref #
Invoice #
PO #
Dept #

SHIP TO: (413) 789-9018 BILL SENDER
Spectrum Analytical
Spectrum Analytical
11 ALMGREN DR

AGAWAM, MA 01001

TUE - 29 MAR A2
STANDARD OVERNIGHT

TRK# 7969 1967 4260
0201

ZB EHTA

01001
MA-US
BDL

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MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007/
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # frac Tank 67 #

Number of samples taken from equipment. 2

Location of samples taken: Exterior / Interior

Applicable wipe sample results pass Yes X No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ____

Laboratory report attached Yes X No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes X No ____

SES inspected this/these items and has also seen the analytical report. Yes X No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79.

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name 4/01/11

Ex 4

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Frac Tank #67

Number of samples taken from equipment. 2

Location of samples taken: Exterior / Interior

	Yes	No	
Wipe sample results pass <10ug/wipe See attached lab	X		Int. sample results on p. 6 of 13. (Did not pass) Ext. sample results on p. 7 of 13. (pass).
Visible inspection pass			
Laboratory report attached	X		

	Yes	No
SES inspected this/these items and has also seen the analytical report.		

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name _____ Sign Name _____

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-0050
Fax 413 443-0511

March 29, 2011

Kim Lickfield
Project Manager
Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14305

Dear Mr. Lickfield:

As outlined in Maxymillian Technologies' Demobilization Plan for the LTTD unit from the Cornell Dubilier Superfund Site, we are providing notification of LTTD components that do not meet the decontamination verification sampling criteria listed in the Plan.

LTTD COMPONENT	WIPE SAMPLE RESULT
Frac Tank #3 – Interior	1379 ug/100 cm^2
Frac Tank #67 (#2) - Interior	105.9 ug/100 cm^2
Feed Pugmill #1 – Interior	11.44 ug/100 cm^2
Quench Top #1 - Interior	2640 ug/100 cm^2
Condenser #1 – Interior	337 ug/100 cm^2
Condenser #2 - Interior	276 ug/100 cm^2

The above listed components have elevated levels of PCBs above the 40 CFR 761.76 standard and will continue to be used exclusively with the LTTD unit at PCB contaminated sites until such time as they are properly decontaminated, scrapped or disposed.

Very truly yours,

MAXYMILLIAN TECHNOLOGIES, INC.

John B. Anthony
Senior Vice President

cc: File

jf/rs/CDE/Decon Letter

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Frac Tank

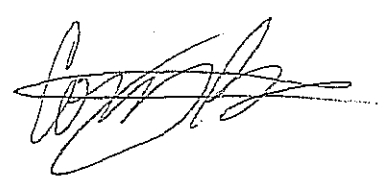
EQUIPMENT NUMBER: 67

DATE DECONTAMINATED: 3/21/11

PROCEDURE USED/ Items of Note:

Equipment was used to store contaminated water from the IDS process. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Leo Charles/Oscar Bozarth

Corey Jones (Site Safety Health Officer)	 Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
25-Mar-11 14:31

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26046-01	Manlift Blank	Wipe	21-Mar-11 14:00	24-Mar-11 10:00
SB26046-02	Manlift 1 Tire	Wipe	21-Mar-11 14:00	24-Mar-11 10:00
SB26046-03	Manlift 2 Boom	Wipe	21-Mar-11 14:00	24-Mar-11 10:00
SB26046-04	Frac Tank #67 Int	Wipe	21-Mar-11 16:00	24-Mar-11 10:00
SB26046-05	Frac Tank #67 Ext	Wipe	22-Mar-11 09:30	24-Mar-11 10:00
SB26046-06	Frac Tank #3 Ext	Wipe	22-Mar-11 09:30	24-Mar-11 10:00
SB26046-07	32211-Backfill	Soil	22-Mar-11 09:15	24-Mar-11 10:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 13 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds "NELAC" certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Frac Tank #67 Int SB26046-04	09007	Wipe	21-Mar-11 16:00	24-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C			GS1										
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	2.00	0.78	10	SW846 8082A	24-Mar-11	25-Mar-11	IMR	1105123	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	2.00	1.11	10	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	2.00	1.29	10	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	2.00	0.88	10	"	"	"	"	"	
12672-29-6	Aroclor-1248	43.2		µg/Wipe	2.00	0.57	10	"	"	"	"	"	
11097-69-1	Aroclor-1254	62.7		µg/Wipe	2.00	0.79	10	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	2.00	0.96	10	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	2.00	0.93	10	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	2.00	0.77	10	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	65			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	140			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	100			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	75			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Frac Tank #67 Ext SB26046-05	09007	Wipe	22-Mar-11 09:30	24-Mar-11

IS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	24-Mar-11	25-Mar-11	SM	1105123	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	0.43		µg/Wipe	0.20	0.07	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.39		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	80			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	65			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	66			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	58			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105123 - SW846 3550B/C										
Blank (1105123-BLK1)					Prepared: 24-Mar-11 Analyzed: 25-Mar-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.240*		µg/Wipe		*0.200*		*120*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.197*		µg/Wipe		*0.200*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.218*		µg/Wipe		*0.200*		*109*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.195*		µg/Wipe		*0.200*		*97*	*30-150*		
LCS (1105123-BS1)					Prepared: 24-Mar-11 Analyzed: 25-Mar-11					
Aroclor-1016	2.21		µg/Wipe	0.08	2.50		88	50-140		
Aroclor-1016 [2C]	2.34		µg/Wipe	0.10	2.50		94	50-140		
Aroclor-1260	2.24		µg/Wipe	0.10	2.50		90	50-140		
Aroclor-1260 [2C]	2.57		µg/Wipe	0.08	2.50		103	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.237*		µg/Wipe		*0.200*		*119*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.200*		µg/Wipe		*0.200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.235*		µg/Wipe		*0.200*		*118*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.195*		µg/Wipe		*0.200*		*97*	*30-150*		
LCS Dup (1105123-BSD1)					Prepared: 24-Mar-11 Analyzed: 25-Mar-11					
Aroclor-1016	2.29		µg/Wipe	0.08	2.50		92	50-140	3	30
Aroclor-1016 [2C]	2.31		µg/Wipe	0.10	2.50		92	50-140	1	30
Aroclor-1260	2.33		µg/Wipe	0.10	2.50		93	50-140	4	30
Aroclor-1260 [2C]	2.61		µg/Wipe	0.08	2.50		104	50-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.234*		µg/Wipe		*0.200*		*117*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.198*		µg/Wipe		*0.200*		*99*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.236*		µg/Wipe		*0.200*		*118*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.219*		µg/Wipe		*0.200*		*110*	*30-150*		
Batch 1105124 - SW846 3550B/C										
Blank (1105124-BLK1)					Prepared: 24-Mar-11 Analyzed: 25-Mar-11					
Aroclor-1016	BRL	U	µg/kg wet	9.48						
Aroclor-1016 [2C]	BRL	U	µg/kg wet	7.57						
Aroclor-1221	BRL	U	µg/kg wet	14.9						
Aroclor-1221 [2C]	BRL	U	µg/kg wet	10.6						
Aroclor-1232	BRL	U	µg/kg wet	9.61						
Aroclor-1232 [2C]	BRL	U	µg/kg wet	7.65						
Aroclor-1242	BRL	U	µg/kg wet	11.1						
Aroclor-1242 [2C]	BRL	U	µg/kg wet	11.9						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105124 - SW846 3550B/C										
Blank (1105124-BLK1)						Prepared: 24-Mar-11 Analyzed: 25-Mar-11				
Aroclor-1248	BRL	U	µg/kg wet	11.2						
Aroclor-1248 [2C]	BRL	U	µg/kg wet	7.71						
Aroclor-1254	BRL	U	µg/kg wet	10.9						
Aroclor-1254 [2C]	BRL	U	µg/kg wet	9.03						
Aroclor-1260	BRL	U	µg/kg wet	9.30						
Aroclor-1260 [2C]	BRL	U	µg/kg wet	8.19						
Aroclor-1262	BRL	U	µg/kg wet	7.26						
Aroclor-1262 [2C]	BRL	U	µg/kg wet	7.27						
Aroclor-1268	BRL	U	µg/kg wet	9.34						
Aroclor-1268 [2C]	BRL	U	µg/kg wet	9.46						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.8*		µg/kg wet		*20.0*		*99*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.7*		µg/kg wet		*20.0*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*27.5*		µg/kg wet		*20.0*		*138*	*30-150*		
LCS (1105124-BS1)						Prepared: 24-Mar-11 Analyzed: 25-Mar-11				
Aroclor-1016	220		µg/kg wet	9.48	250		88	50-140		
Aroclor-1016 [2C]	224		µg/kg wet	7.57	250		90	50-140		
Aroclor-1260	237		µg/kg wet	9.30	250		95	50-140		
Aroclor-1260 [2C]	236		µg/kg wet	8.19	250		94	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.7*		µg/kg wet		*20.0*		*114*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.6*		µg/kg wet		*20.0*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.7*		µg/kg wet		*20.0*		*124*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.4*		µg/kg wet		*20.0*		*107*	*30-150*		
LCS Dup (1105124-BSD1)						Prepared: 24-Mar-11 Analyzed: 25-Mar-11				
Aroclor-1016	208		µg/kg wet	9.48	250		83	50-140	6	30
Aroclor-1016 [2C]	230		µg/kg wet	7.57	250		92	50-140	3	30
Aroclor-1260	210		µg/kg wet	9.30	250		84	50-140	12	30
Aroclor-1260 [2C]	233		µg/kg wet	8.19	250		93	50-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.3*		µg/kg wet		*20.0*		*107*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.1*		µg/kg wet		*20.0*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.9*		µg/kg wet		*20.0*		*94*	*30-150*		
Duplicate (1105124-DUP1)			Source: SB26046-07			Prepared: 24-Mar-11 Analyzed: 25-Mar-11				
Aroclor-1016	BRL	U	µg/kg dry	10.1		BRL				40
Aroclor-1016 [2C]	BRL	U	µg/kg dry	8.05		BRL				40
Aroclor-1221	BRL	U	µg/kg dry	15.8		BRL				40
Aroclor-1221 [2C]	BRL	U	µg/kg dry	11.2		BRL				40
Aroclor-1232	BRL	U	µg/kg dry	10.2		BRL				40
Aroclor-1232 [2C]	BRL	U	µg/kg dry	8.13		BRL				40
Aroclor-1242	BRL	U	µg/kg dry	11.8		BRL				40
Aroclor-1242 [2C]	BRL	U	µg/kg dry	12.7		BRL				40
Aroclor-1248	962		µg/kg dry	11.9		1070			11	40
Aroclor-1248 [2C]	1020		µg/kg dry	8.20		1110			8	40
Aroclor-1254	1050		µg/kg dry	11.6		1230			16	40
Aroclor-1254 [2C]	1060		µg/kg dry	9.60		1110			4	40
Aroclor-1260	BRL	U	µg/kg dry	9.89		BRL				40
Aroclor-1260 [2C]	BRL	U	µg/kg dry	8.71		BRL				40
Aroclor-1262	BRL	U	µg/kg dry	7.72		BRL				40
Aroclor-1262 [2C]	BRL	U	µg/kg dry	7.73		BRL				40
Aroclor-1268	BRL	U	µg/kg dry	9.94		BRL				40

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105124 - SW846 3550B/C										
Duplicate (1105124-DUP1)			Source: SB26046-07			Prepared: 24-Mar-11 Analyzed: 25-Mar-11				
Aroclor-1268 [2C]	BRL	U	µg/kg dry	10.1		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*26.1*		µg/kg dry		*21.3*		*123*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.5*		µg/kg dry		*21.3*		*87*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.4*		µg/kg dry		*21.3*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.4*		µg/kg dry		*21.3*		*82*	*30-150*		

Notes and Definitions

GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Rebecca Merz

SB26046 Fm

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1301 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

G=Grab C=Composite

List preservative code below: 10 11

Containers: # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic

Analyses: 3550C PCB | 3550C PCB

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	3550C PCB	3550C PCB
26046-01	Manlift Blank	3/21/2011	1400	G	X2	1					X
-02	Manlift 1 Tire	3/21/2011	1400	G	X2	1					X
-03	Manlift 2 Boom	3/21/2011	1400	G	X2	1					X
-04	Frac Tank #67 Int	3/21/2011	1600	G	X2	1					X
-05	Frac Tank #67 Ext	3/22/2011	0930	G	X2	1					X
-06	Frac Tank #3 Ext	3/22/2011	0930	G	X2	1					X
-07	32211-Backfill	3/22/2011	0915	C	SO			1		X	
	Manlift Serial #323										

QA/QC Reporting Notes:
*additional charges may apply
MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐
QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER V*
☐ Other
State-specific reporting standards: ASAP

Relinquished by:	Received by:	Date:	Time:	Temp°C:
		3/24/11	10:00	7.2

☐ EDD Format
☒ E-mail to RSIMMONS@MAXYMILLIAN.COM
JSMITH@MAXYMILLIAN.COM

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

Mel Red

From: (908) 634-2148
Robyn Darrow
MAXYMILLIAN TECHNOLOGIES
333 Hamilton Blvd

South Plainfield, NJ 07080

Origin ID: LDJA

FedEx Express

J1115110225025

Ship Date: 23MAR11
ActWgt 3.0 LB
CAD: 10163311/INET3130

Delivery Address Bar Code

SHIP TO: (413) 789-9018 BILL SENDER

Spectrum Analytical
Spectrum Analytical
11 ALMGREN DR

AGAWAM, MA 01001

Ref #
Invoice #
PO #
Dept #

THU - 24 MAR A2
PRIORITY OVERNIGHT

TRK# 0201 7945 6310 2007

ZB EHTA

01001
MA-US
BDL

50DG2/B0D9/7EF9

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

CASE NARRATIVE:

The samples were received 7.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

S102226-CCV2

Analyte percent difference is outside individual acceptance criteria (15), but within overall method allowances.

Aroclor-1260 (1) [2C] (15.4%)

This affected the following samples:

1105124-BLK1
32211-Backfill

S102230-CCV2

Analyte percent difference is outside individual acceptance criteria (15), but within overall method allowances.

Aroclor-1260 (1) [2C] (15.4%)

This affected the following samples:

1105123-BLK1
Frac Tank #3 Ext
Frac Tank #67 Ext
Manlift 1 Tire
Manlift 2 Boom
Manlift Blank

SB26046-04 *Frac Tank #67 Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Frac Tank #3 Ext SB26046-06	09007	Wipe	22-Mar-11 09:30	24-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	24-Mar-11	25-Mar-11	SM	1105123	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.14	J	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	80			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	66			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	70			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	70			*30-150 %*			"	"	"	"	"	

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Frac Tank #3

Number of samples taken from equipment. 2

Location of samples taken: Exterior / Interior

Applicable wipe sample results pass Yes X No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ____

Laboratory report attached Yes X No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes X No ____

SES inspected this/these items and has also seen the analytical report. Yes X No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name [signature] 4/01/11

FCJ

MAXYMILLIAN Technologies
1801 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Frac Tank #3

Number of samples taken from equipment. 2

Location of samples taken: Exterior / Interior

	Yes	No	
Wipe sample results pass <10ug/wipe See attached lab	✓		Int. Sample results on p. 14 of 20 .. (Did not pass). Ext. Sample results on p. 8 of 13. (Pass).
Visible inspection pass			
Laboratory report attached	✓		

SES inspected this/these items and has also seen the analytical report. Yes ☐ No ☐

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name _____ Sign Name _____

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

March 29, 2011

Kim Lickfield
Project Manager
Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14305

Dear Mr. Lickfield:

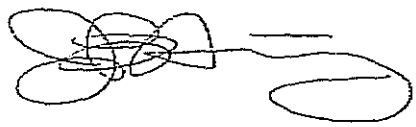
As outlined in Maxymillian Technologies' Demobilization Plan for the LTTD unit from the Cornell Dubilier Superfund Site, we are providing notification of LTTD components that do not meet the decontamination verification sampling criteria listed in the Plan.

LTTD COMPONENT	WIPE SAMPLE RESULT
Frac Tank #3 – Interior	1379 ug/100 cm^2
Frac Tank #67 (#2) - Interior	105.9 ug/100 cm^2
Feed Pugmill #1 – Interior	11.44 ug/100 cm^2
Quench Top #1 - Interior	2640 ug/100 cm^2
Condenser #1 – Interior	337 ug/100 cm^2
Condenser #2 - Interior	276 ug/100 cm^2

The above listed components have elevated levels of PCBs above the 40 CFR 761.76 standard and will continue to be used exclusively with the LTTD unit at PCB contaminated sites until such time as they are properly decontaminated, scrapped or disposed.

Very truly yours,

MAXYMILLIAN TECHNOLOGIES, INC.



John B. Anthony
Senior Vice President

cc: File

f/ rs/CDE/Decon Letter

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Frac Tank

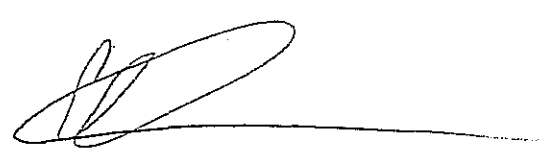
EQUIPMENT NUMBER: 3

DATE DECONTAMINATED: 3/21/11

PROCEDURE USED/ Items of Note:

Equipment was used to store contaminated water from the IDS process. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Leo Charles/Oscar Bozarth

Corey Jones (Site Safety Health Officer)	 Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
25-Mar-11 14:31

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
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Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26046-01	Manlift Blank	Wipe	21-Mar-11 14:00	24-Mar-11 10:00
SB26046-02	Manlift 1 Tire	Wipe	21-Mar-11 14:00	24-Mar-11 10:00
SB26046-03	Manlift 2 Boom	Wipe	21-Mar-11 14:00	24-Mar-11 10:00
SB26046-04	Frac Tank #67 Int	Wipe	21-Mar-11 16:00	24-Mar-11 10:00
SB26046-05	Frac Tank #67 Ext	Wipe	22-Mar-11 09:30	24-Mar-11 10:00
SB26046-06	Frac Tank #3 Ext	Wipe	22-Mar-11 09:30	24-Mar-11 10:00
SB26046-07	32211-Backfill	Soil	22-Mar-11 09:15	24-Mar-11 10:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 13 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not imply that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 7.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

S102226-CCV2

Analyte percent difference is outside individual acceptance criteria (15), but within overall method allowances.

Aroclor-1260 (1) [2C] (15.4%)

This affected the following samples:

1105124-BLK1
32211-Backfill

S102230-CCV2

Analyte percent difference is outside individual acceptance criteria (15), but within overall method allowances.

Aroclor-1260 (1) [2C] (15.4%)

This affected the following samples:

1105123-BLK1
Frac Tank #3 Ext
Frac Tank #67 Ext
Manlift 1 Tire
Manlift 2 Boom
Manlift Blank

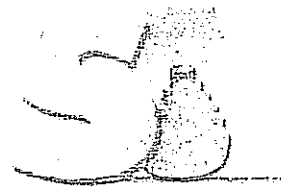
SB26046-04 *Frac Tank #67 Int*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Frac Tank #3 Ext SB26046-06	09007	Wipe	22-Mar-11 09:30	24-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	24-Mar-11	25-Mar-11	SM	1105123	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.14	J	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	80			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	66			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	70			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	70			*30-150 %*			"	"	"	"	"	

Report Date:
16-Mar-11 16:34



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

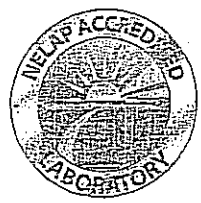
Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB25610-01	D4 30 Blank	Wipe	14-Mar-11 10:00	15-Mar-11 09:45
SB25610-02	D4 30 Track	Wipe	14-Mar-11 10:00	15-Mar-11 09:45
SB25610-03	D4 30 Blade	Wipe	14-Mar-11 10:00	15-Mar-11 09:45
SB25610-04	D4 30 Body	Wipe	14-Mar-11 10:00	15-Mar-11 09:45
SB25610-05	Bucket Elevator Int	Wipe	14-Mar-11 13:00	15-Mar-11 09:45
SB25610-06	Bucket Elevator Ext	Wipe	14-Mar-11 13:30	15-Mar-11 09:45
SB25610-07	Silo Int	Wipe	14-Mar-11 12:30	15-Mar-11 09:45
SB25610-08	Silo Ext	Wipe	14-Mar-11 12:30	15-Mar-11 09:45
SB25610-09	Discharge Auger Ext	Wipe	14-Mar-11 15:30	15-Mar-11 09:45
SB25610-10	Discharge Pugmill Ext	Wipe	14-Mar-11 15:30	15-Mar-11 09:45
SB25610-11	Frac Tank #3 Int	Wipe	14-Mar-11 12:30	15-Mar-11 09:45
SB25610-12	Double Dump Valve Int	Wipe	14-Mar-11 14:00	15-Mar-11 09:45
SB25610-13	Double Dump Valve Ext	Wipe	14-Mar-11 14:00	15-Mar-11 09:45
SB25610-14	Discharge Auger	Wipe	14-Mar-11 14:00	15-Mar-11 09:45
SB25610-15	Discharge Pugmill	Wipe	14-Mar-11 14:00	15-Mar-11 09:45

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

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Please note that this report contains 20 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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CASE NARRATIVE:

The samples were received 5.4 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB25610-11 *Frac Tank #3*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Frac Tank #3 Int 5610-11	09007	Wipe	14-Mar-11 12:30	15-Mar-11

LS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C			GS1										
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	20.0	7.79	100	SW846 8082A	15-Mar-11	16-Mar-11	IMR	1104442	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	20.0	11.1	100	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	20.0	12.9	100	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	20.0	6.84	100	"	"	"	"	"	
12672-29-6	Aroclor-1248	791		µg/Wipe	20.0	5.67	100	"	"	"	"	"	
11097-69-1	Aroclor-1254	588		µg/Wipe	20.0	5.80	100	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	20.0	9.57	100	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	20.0	9.26	100	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	20.0	7.74	100	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	50			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	3650	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	50			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	150			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1104442 - SW846 3550B/C										
Blank (1104442-BLK1)					Prepared & Analyzed: 15-Mar-11					
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.08						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.157*		µg/Wipe		*0.200*		*78*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.171*		µg/Wipe		*0.200*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.236*		µg/Wipe		*0.200*		*118*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.160*		µg/Wipe		*0.200*		*80*	*30-150*		
LCS (1104442-BS1)					Prepared & Analyzed: 15-Mar-11					
Aroclor-1016	2.23		µg/Wipe	0.08	2.50		89	50-140		
Aroclor-1016 [2C]	2.37		µg/Wipe	0.10	2.50		95	50-140		
Aroclor-1260	1.92		µg/Wipe	0.10	2.50		77	50-140		
Aroclor-1260 [2C]	1.84		µg/Wipe	0.08	2.50		73	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.183*		µg/Wipe		*0.200*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.181*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.186*		µg/Wipe		*0.200*		*93*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.164*		µg/Wipe		*0.200*		*82*	*30-150*		
LCS Dup (1104442-BSD1)					Prepared & Analyzed: 15-Mar-11					
Aroclor-1016	2.18		µg/Wipe	0.08	2.50		87	50-140	2	30
Aroclor-1016 [2C]	2.35		µg/Wipe	0.10	2.50		94	50-140	0.8	30
Aroclor-1260	1.90		µg/Wipe	0.10	2.50		76	50-140	1	30
Aroclor-1260 [2C]	1.72		µg/Wipe	0.08	2.50		69	50-140	7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.175*		µg/Wipe		*0.200*		*88*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.182*		µg/Wipe		*0.200*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.179*		µg/Wipe		*0.200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.162*		µg/Wipe		*0.200*		*81*	*30-150*		

Notes and Definitions

GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor

2560

SPECTRUM ANALYTICAL, INC.
Featuring
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6530

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= Hexane

List preservative code below: 10 11

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= WIPE X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: See Attached	3550C PCB
25610-11	Frac Tank #3	3/14/2011	1230	G	X2	X					X
-12	Double Dump Valve Int	3/14/2011	1400	G	X2	X					X
-13	Double Dump Valve Ext	3/14/2011	1400	G	X2	X					X
-14	Discharge Auger	3/14/2011	1400	G	X2	X					X
-15	Discharge Pugmill	3/14/2011	1400	G	X2	X					X

QA/QC Reporting Notes:
*additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐
QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other
State-specific reporting standards: ASAP

Relinquished by:	Received by:	Date:	Time:	Temp. °C
FED EX	FED EX	3-15-11	9:15	5.5

☐ EDD Format
☒ E-mail to: RSIMMONS@MAXYMILLIAN.COM

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp: °C ☐ Freezer temp: °C

SB26046 By

SPECTRUM ANALYTICAL, INC.
Featuring
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Deionized Water 10= ICE 11= Hexane

List preservative code below: 10 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 3550C PCB	3550C PCB
26046-01	Manlift Blank	3/21/2011	1400	G	X2	1					X
02	Manlift 1 Tire	3/21/2011	1400	G	X2	1					X
03	Manlift 2 Boom	3/21/2011	1400	G	X2	1					X
04	Frac Tank #67 Int	3/21/2011	1600	G	X2	1					X
05	Frac Tank #67 Ext	3/22/2011	0930	G	X2	1					X
06	Frac Tank #3 Ext	3/22/2011	0930	G	X2	1					X
07	32211-Backfill	3/22/2011	0915	C	SO			1		X	
	Manlift Serial #323										

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____
State-specific reporting standards:
ASAP

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

Relinquished by:	Received by:	Date:	Time:	Temp°C
		3/24/11	10:00	1.2

☐ EDD Format _____
☒ E-mail to RSIMMONS@MAXYMILLIAN.COM
JSMITH@MAXYMILLIAN.COM

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

Melted

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Feed Pug Mill

Number of samples taken from equipment. 2

Location of samples taken: Exterior / Interior

Applicable wipe sample results pass Yes X No ____
<10 ug/wipe
See attached lab
Visible inspection pass Yes X No ____

Laboratory report attached Yes X No ____

Interior samples taken, results exceed 10ug. Equipment will ship in accordance with demob plan
Yes X No ____

SES inspected this/these items and has also seen the analytical report. Yes X No ____

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name ERIC TSCHUDI Sign Name

4/01/11

FC

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

Decontamination inspection form

Job # 09007
Job Name CDE
Location: 333 Hamilton Blvd.
South Plainfield, NJ 07080

Description of or Equipment # Feed Pugmi

Number of samples taken from equipment. 2

Location of samples taken: Exterior / Interior

	Yes	No	
Wipe sample results pass <10ug/wipe See attached lab	X		Ext. Sample results on p. 4 of 17. (Pass) ~~Ext~~ INT. Sample results on p. 4 of 9, Not. <10µg/100cm². (Did not pass)
Visible inspection pass			
Laboratory report attached	X		

	Yes	No
SES inspected this/these items and has also seen the analytical report.		

MT performed wipe samples in accordance with 40 CFR ref # 761.79 .

James Smith
Thermal Manager

SES Representative

Print Name _____ Sign Name _____

MAXYMILLIAN Technologies
1001 EAST STREET
PITTSFIELD, MA 01201
413 499-3050
Fax 413 443-0511

March 29, 2011

Kim Lickfield
Project Manager
Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14305

Dear Mr. Lickfield:

As outlined in Maxymillian Technologies' Demobilization Plan for the LTTD unit from the Cornell Dubilier Superfund Site, we are providing notification of LTTD components that do not meet the decontamination verification sampling criteria listed in the Plan.

LTTD COMPONENT	WIPE SAMPLE RESULT
Frac Tank #3 – Interior	1379 ug/100 cm^2
Frac Tank #67 (#2) - Interior	105.9 ug/100 cm^2
Feed Pugmill #1 – Interior	11.44 ug/100 cm^2
Quench Top #1 - Interior	2640 ug/100 cm^2
Condenser #1 – Interior	337 ug/100 cm^2
Condenser #2 - Interior	276 ug/100 cm^2

The above listed components have elevated levels of PCBs above the 40 CFR 761.76 standard and will continue to be used exclusively with the LTTD unit at PCB contaminated sites until such time as they are properly decontaminated, scrapped or disposed.

Very truly yours,

MAXYMILLIAN TECHNOLOGIES, INC.

John B. Anthony
Senior Vice President

cc: File

jf/ rs/CDE/Decon Letter

Maxymillian Technologies, Inc.

CERTIFICATE OF DECONTAMINATION

EQUIPMENT: Feed Pugmil

EQUIPMENT NUMBER:

DATE DECONTAMINATED: 3/7/11

PROCEDURE USED/ Items of Note:

Equipment was used to handling contaminated soil. Pressure wash decontamination procedure was used to remove material from equipment in accordance with 40 cfr 761.79. Wipe samples were taken in accordance with cfr 761.123. Equipment was inspected by Site Safety and Health Officer and determined to be free of visible contamination. Wipe sample results are attached.

Decontamination Personnel: Leo Charles/Oscar Bozarth

Corey Jones (Site Safety Health Officer)	Corey B. Jones Signature

HM:HEALTH\CORP\FORMS\CERTDECN

Report Date:
28-Mar-11 12:10

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB26093-01	Feed Pugmill Blank	Wipe	24-Mar-11 11:00	25-Mar-11 10:55
SB26093-02	Feed Pugmill Ext	Wipe	24-Mar-11 11:00	25-Mar-11 10:55
SB26093-03	20 Yard Dumpster 1	Wipe	24-Mar-11 15:00	25-Mar-11 10:55
SB26093-04	20 Yard Dumpster 2	Wipe	24-Mar-11 15:00	25-Mar-11 10:55
SB26093-05	20 Yard Dumpster 3	Wipe	24-Mar-11 15:00	25-Mar-11 10:55

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 9 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 7.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Feed Pugmill Blank SB26093-01	09007	Wipe	24-Mar-11 11:00	25-Mar-11

AS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	25-Mar-11	25-Mar-11	SM	1105213	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	47			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	41			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	44			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	35			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Feed Pugmill Ext SB26093-02	09007	Wipe	24-Mar-11 11:00	25-Mar-11

AS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	25-Mar-11	25-Mar-11	SM	1105213	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	80			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	66			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	72			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	58			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
20 Yard Dumpster 1 SB26093-03	09007	Wipe	24-Mar-11 15:00	25-Mar-11

LS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	25-Mar-11	25-Mar-11	SM	1105213	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	90			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	72			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	76			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	66			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
20 Yard Dumpster 2 SB26093-04	09007	Wipe	24-Mar-11 15:00	25-Mar-11

AS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	25-Mar-11	25-Mar-11	SM	1105213	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	90			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	72			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	80			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	68			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
20 Yard Dumpster 3 SB26093-05	09007	Wipe	24-Mar-11 15:00	25-Mar-11

IS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	25-Mar-11	25-Mar-11	SM	1105213	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.13	J	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	92			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	73			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	78			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	61			*30-150 %*			"	"	"	"	"	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1105213 - SW846 3550B/C										
Blank (1105213-BLK1)						Prepared & Analyzed: 25-Mar-11				
Aroclor-1016	BRL	U	µg/Wipe	0.08						
Aroclor-1016 [2C]	BRL	U	µg/Wipe	0.10						
Aroclor-1221	BRL	U	µg/Wipe	0.11						
Aroclor-1221 [2C]	BRL	U	µg/Wipe	0.12						
Aroclor-1232	BRL	U	µg/Wipe	0.13						
Aroclor-1232 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1242	BRL	U	µg/Wipe	0.09						
Aroclor-1242 [2C]	BRL	U	µg/Wipe	0.09						
Aroclor-1248	BRL	U	µg/Wipe	0.06						
Aroclor-1248 [2C]	BRL	U	µg/Wipe	0.07						
Aroclor-1254	BRL	U	µg/Wipe	0.08						
Aroclor-1254 [2C]	BRL	U	µg/Wipe	0.06						
Aroclor-1260	BRL	U	µg/Wipe	0.10						
Aroclor-1260 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1262	BRL	U	µg/Wipe	0.09						
Aroclor-1262 [2C]	BRL	U	µg/Wipe	0.08						
Aroclor-1268	BRL	U	µg/Wipe	0.06						
Aroclor-1268 [2C]	BRL	U	µg/Wipe	0.08						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.260*		µg/Wipe		*0.200*		*130*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.194*		µg/Wipe		*0.200*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.217*		µg/Wipe		*0.200*		*109*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.160*		µg/Wipe		*0.200*		*80*	*30-150*		
LCS (1105213-BS1)						Prepared & Analyzed: 25-Mar-11				
Aroclor-1016	2.31		µg/Wipe	0.08	2.50		92	50-140		
Aroclor-1016 [2C]	2.36		µg/Wipe	0.10	2.50		94	50-140		
Aroclor-1260	2.51		µg/Wipe	0.10	2.50		100	50-140		
Aroclor-1260 [2C]	2.28		µg/Wipe	0.08	2.50		91	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.215*		µg/Wipe		*0.200*		*108*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.184*		µg/Wipe		*0.200*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.235*		µg/Wipe		*0.200*		*118*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.147*		µg/Wipe		*0.200*		*74*	*30-150*		
LCS Dup (1105213-BSD1)						Prepared & Analyzed: 25-Mar-11				
Aroclor-1016	2.35		µg/Wipe	0.08	2.50		94	50-140	2	30
Aroclor-1016 [2C]	2.38		µg/Wipe	0.10	2.50		95	50-140	0.8	30
Aroclor-1260	2.56		µg/Wipe	0.10	2.50		102	50-140	2	30
Aroclor-1260 [2C]	2.32		µg/Wipe	0.08	2.50		93	50-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.210*		µg/Wipe		*0.200*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.183*		µg/Wipe		*0.200*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.256*		µg/Wipe		*0.200*		*128*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.147*		µg/Wipe		*0.200*		*74*	*30-150*		

Notes and Definitions

J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB 26093

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☑ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Deionized Water 10= ICE 11= Hexane

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	3550C PCB *							
26093-01	Feed Pugmill Blank	3/24/2011	1100	G	X2	1				X							ASAP
-02	Feed Pugmill Ext	3/24/2011	1100	G	X2	1				X							
-03	20 Yard Dumpster 1	3/24/2011	1500	G	X2	1				X							
-04	20 Yard Dumpster 2	3/24/2011	1500	G	X2	1				X							
-05	20 Yard Dumpster 3	3/24/2011	1500	G	X2	1				X							

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic
Analyses: 3550C PCB *

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☑ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
	FedEx			
FedEx	[illegible]	3.25.11	10:55AM	7.9°

☐ EDD Format _____
☑ E-mail to RSIMMONS@MAXYMILLIAN.COM
JSMITH@MAXYMILLIAN.COM

☐ Ambient ☑ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

From: (908) 834-2148
Robyn Darrow
MAXYMILLIAN TECHNOLOGIES
333 Hamilton Blvd

South Plainfield, NJ 07080

Origin ID: LDJA

FedEx Express

Ship Date: 24MAR11
ActWgt: 2.0 LB
CAD: 10148311/INET3130

Delivery Address Bar Code

SHIP TO: (413) 789-9018
BILL SENDER

Spectrum Analytical
Spectrum Analytical
11 ALMGREN DR

AGAWAM, MA 01001

Ref #
Invoice #
PO #
Dept #

FRI - 25 MAR A2
PRIORITY OVERNIGHT

TRK# 7945 6956 1461
0201

ZB EHTA

01001
MA-US
BDL

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Report Date:
21-Mar-11 16:54

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Regina Simmons

Project: CDE Superfund Site - S. Plainfield, NJ
Project #: 09007

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB25804-01	Blank Trip	Wipe	17-Mar-11 10:30	18-Mar-11 11:00
SB25804-02	Feed Pugmill Int	Wipe	17-Mar-11 10:30	18-Mar-11 11:00
SB25804-03	Feed Pugmill Ext	Wipe	17-Mar-11 11:00	18-Mar-11 11:00
SB25804-04	Feed Hopper Int	Wipe	17-Mar-11 11:00	18-Mar-11 11:00
SB25804-05	Feed Hopper Ext	Wipe	17-Mar-11 10:30	18-Mar-11 11:00
SB25804-06	Metals Debris 1	Wipe	17-Mar-11 12:00	18-Mar-11 11:00
SB25804-07	Metals Debris 2	Wipe	17-Mar-11 12:00	18-Mar-11 11:00
SB25804-08	Metals Debris 3	Wipe	17-Mar-11 12:00	18-Mar-11 11:00
SB25804-09	Metals Debris 4	Wipe	17-Mar-11 12:00	18-Mar-11 11:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

NELAP ACCREDITED LABORATORY

Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 13 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 7.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Blank Trip 3B25804-01	09007	Wipe	17-Mar-11 10:30	18-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 **Prepared by method SW846 3550B/C**													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.06	1	SW846-8082A	18-Mar-11	18-Mar-11	IMR	1104769	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BDL	U	µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	0.26		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	35			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	36			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	45			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	50			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Feed Pugmill Int SB25804-02	09007	Wipe	17-Mar-11 10:30	18-Mar-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3550B/C													
12674-11-2	Aroclor-1016	BDL	U	µg/Wipe	0.20	0.08	1	SW846 8082A	18-Mar-11	18-Mar-11	IMR	1104769	
11104-28-2	Aroclor-1221	BDL	U	µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BDL	U	µg/Wipe	0.20	0.13	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	5.84		µg/Wipe	0.20	0.06	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	5.60		µg/Wipe	0.20	0.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BDL	U	µg/Wipe	0.20	0.10	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BDL	U	µg/Wipe	0.20	0.09	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BDL	U	µg/Wipe	0.20	0.08	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	74			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	78			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	96			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	88			*30-150 %*			"	"	"	"	"	

Notes and Definitions

J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected
BDL	Below Detection Limit - Analyte NOT DETECTED at or above the minimum detection limit
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99%-confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Nicole Leja

SB 2584

SPECTRUM ANALYTICAL, INC.
Fostering HARMONIC TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ASAP
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: MAXYMILLIAN TECHNOLOGIES
1801 EAST STREET
PITTSFIELD, MA 01201

Telephone #: 413-499-3050
Project Mgr. J. SMITH

Invoice To: MAXYMILLIAN TECHS.
1801 EAST STREET
PITTSFIELD, MA 01201

P.O. No.: 3737 RQN: 6538

Project No.: 09007
Site Name: CDE
Location: SOUTH PLAINFIELD State: NJ
Sampler(s): J. SMITH

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Deionized Water 10= ICE 11= Hexane

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Debris X2= Wipe X3=

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 3550C PCB
2584-01	Blank Trip	3/17/2011	1030	G	X2	1				X
-02	Feed Pugmill Int	3/17/2011	1030	G	X2	1				X
-03	Feed Pugmill Ext	3/17/2011	1100	G	X2	1				X
-04	Feed Hopper Int	3/17/2011	1100	G	X2	1				X
-05	Feed Hopper Ext	3/17/2011	1030	G	X2	1				X
-06	Metal Debris 1	3/17/2011	1200	G	X2	1				X
-07	Metal Debris 2	3/17/2011	1200	G	X2	1				X
-08	Metal Debris 3	3/17/2011	1200	G	X2	1				X
-09	Metal Debris 4	3/17/2011	1200	G	X2	1				X

ASAP

Relinquished by:	Received by:	Date:	Time:	Temp°C
		3/18/11	11:00	3.9

☐ EDD Format
☒ E-mail to RSIMMONS@MAXYMILLIAN.COM
JSMITH@MAXYMILLIAN.COM

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp °C ☐ Freezer temp °C

Melted

Appendix G: Low Temperature Thermal Desorption (LTTD) Technical Information

The IDS system used on site was an indirect-fired, non-contact thermal desorption system designed to operate with a solids residence time and temperature capable of removing the contaminants of concern to the remediation goals and at an appropriate temperature and duration required to reduce the PCB contamination in the soil or other material treated to equal to or less than the remediation goals defined in the ROD.

G.1. LTTD Process Description

The LTTD process adds energy in the form of heat to liberate contaminants from the soil matrix into a vapor phase, allowing the mobilization of the contaminated material into a treatment and/or recovery system. The IDS system permits the separation and collection of PCB contamination from soils to reduce the mass of material disposed of off-site. The system was designed to provide the appropriate residence time, temperature and turbulence in order to effectively decontaminate soils. The system's air pollution control devices operated to meet air emissions criteria as defined by the NJDEP Air Quality Permit Equivalency requirements.

An indirect-fired LTTD system prevents the exhaust from the gas-fired burners from mixing with the exhaust from the desorption process, allowing separation of the two waste streams with a collection system for the contaminants and a separate treatment system for the combustion byproducts.

The LTTD system used at the site was uniquely designed and constructed for easy erection, maintenance, and disassembly. The LTTD unit included the following components:

- Feed hopper and screening equipment,
- Conveyor system,
- Desorption processing unit with control room,
- Air pollution control devices,
- Continuous emissions monitors,
- Cooler/Chiller,
- Condensers,
- Dust control Bag house (changed from flexible fabric to rigid ceramic filters during the system operation),

- Fans,
- Connective ductwork,
- Ancillary piping,
- Wiring, and controls, and
- Soil conditioning structures

With these components, the system took in impacted soil, liberated the contaminants from the soil matrix, separated the soil from the vapor-phase contaminants, condensed the contaminants for disposal, and reconditioned the soil for on-site reuse.

G.2. System Mobilization and Setup

LTTD mobilization and operation consisted of the following services:

- Submittal and approval of a NJDEP Air Quality Permit Equivalency,
- Provided a Proof of Performance Plan and performed the required Proof of Performance Test to confirm compliance with the NJDEP Air Quality Permit Equivalency. Upon completion of the treatment of the soils, soil sampling was performed to confirm compliance with remediation goals.
- Effectively and safely handled waste materials prepared for thermal desorption, analysis and placement at the site.
- Remove residuals from the LTTD for appropriate management and disposal.
- Thermally desorbed contaminants from the site soils to the objectives specified in the specifications.
- SES performed sampling and analysis in accordance with the sampling requirements, methodology and quality control requirements defined in the Quality Assurance Project Plan (QAPP) to ensure soil remediation to the remediation goals.

The LTTD system was mobilized to the site in August 2009 and upon issuance of the NJDEP Air Permit Equivalency treatment operations were initiated on November 3, 2009.

G.3. System Operation

Three separate process systems were ongoing within the LTTD system – soil management, vapor recovery, and exhaust management. System components include: material feed system, indirectly heated thermal desorption system, bag house, liquid treatment system, vapor treatment system, and materials discharge system. The LTTD unit was designed for a maximum short-term soil processing capacity of 20 ton/hr. and an annual average processing capacity of 18 tons/hr. The LTTD operated for 24 hours a day 7 days a week, except when under repair, to meet the project schedule.

MT installed and operated a vapor management system (VMS) for the soil handling and water treatment temporary enclosures. These systems were separate from the water treatment system mentioned above. The VMS included an induced draft (ID) fan to circulate air and granular activated vapor phase carbon vessels for air treatment. The ID fan drew fresh air into the enclosure and drove air out through granular activated vapor phase carbon vessels and an exhaust stack.

MT successfully treated 98,001 tons of contaminated material which was then re-used for backfill on the site.

G.4. Soil Management Process

Excavated soils from SES' soil storage building were transported to MT's soil handling building by a front end loader. The soil was piled in the building and worked with a loader to produce a homogeneous contaminant matrix. Soil was then deposited into a feed soil hopper, passed through a soil screener and then transferred onto the conveyor, which fed soil into the LTTD unit. Soil handling activities for the LTTD unit were conducted indoors to control moisture of the material that was treated.

The feed rate through the portable screen was controlled by the control room operator. The operator viewed material as it flowed up the main conveyor and discharged to the feed pug mill hopper. Located in the control room were an on/off switch and an emergency shutdown switch for the motors that power the feed screen.

The front-end or receiving portion of the LTTD unit was equipped with a self-contained hydraulic Screen/Feed Hopper. Material was loaded by a front-end loader into the Screen/Feed Hopper, where the soil traveled along a feed conveyor equipped with a weigh scale to a feed pug mill, from which it was fed to the indirectly heated thermal desorber. A vacuum seal was maintained in the feed pug mill to ensure that ambient air did not enter the thermal desorber.

The desorber consisted of an inner rotating shell (calciner) surrounded by an outer shell. The steel outer shell was insulated with Pyro-Block to minimize thermal loss. The soils traveled through the 5 foot diameter by 48 foot long rotating calciner that was indirectly heated to 800-900ºF. Six equally-spaced propane burners placed along the rotating assembly fired into the annular space between the calciner and shell. Heat radiated through the calciner walls providing indirect heat to the soil. Temperatures throughout the length of the calciner were carefully controlled from the control room. The soil exit temperature was modified based on observed soil conditions and the composition of contaminants in the soil. The soil exit temperature for this project was approximately 675-800ºF.

The decontaminated soil exited the calciner of the thermal desorber and entered the soil exit breach hopper. This treated soil, combined with clean particulate removed from the gas stream by the bag house, traveled up the discharge auger to the base of the bucket elevator. The soil discharge auger was fully enclosed and sealed to prevent fugitive emissions. The bucket elevator vertically transported the soil to a discharge chute designed to handle a maximum of 50 tons of soil per hour.

From the elevator discharge chute, the soil entered the top of the soil cooling silo. Soil traveled down vertically through the silo and was discharged at the bottom. The soil cooling silo had an inside diameter shell of 8 feet and an overall height of 38 feet. The interior of the silo contained several 8 inch diameter carbon steel pipes. Non-contact ambient air was forced upward through the pipes. The heat of the soil was transferred through the pipes to the non-contact air. The indirect cooling process incorporated into the silo minimized the use of water for cooling the soil.

The treated soil exited through a double dump valve located at the bottom of the silo. The double dump valve provided a secure air seal between the process gases and the atmosphere, on the same premise as an airlock. The dump valve was pneumatically activated to open and dump soil to the bottom valve. Once the upper valve was closed, the lower valve was actuated and the soil dropped into the soil discharge pug mill for final cooling and re-moistening. Water nozzles were located in the pug mill to provide reintroduction of moisture to the treated soil as well as additional cooling. Cooling and re-moisturizing water used in the soil discharge pug mill was recycled form the water treatment system (see next section).

Treated materials exited the discharge pug mill via a hooded radial stacking conveyor to a processed soil stockpile area to await sample collection, analysis, and verification of treatment. The hooded conveyor provided additional dust control measures. Treated soils

were rehydrated by a secondary water spray system located at the end of the discharge conveyor. The primary potential source of fugitive emissions was dust and steam emissions from the soil discharge system. In order to ensure dust suppression of both clean dust and steam from the discharge system, the LTTD Technician had a three dust suppression mechanisms available, including controlling the discharge rate from the soil cooling silo, water sprays, and misters located within the discharge pug mill and radial stacking conveyor.

Additional hydration was also frequently necessary, and the same equipment used for dust suppression was used to increase the moisture content of the treated soil to improve handling characteristics and further reduce emissions during handling. Once sampling confirmed ROD clean-up goals, SES transferred these soils to stockpiles for temporary storage prior to re-use as on-site fill materials.

G.5. Contaminated Vapor Management Process

The gas stream containing volatilized contaminants, vaporized water, and entrained particulate, exited the desorber breach and entered the bag house. The bag house was capable of filtering gases at high temperatures to remove particulate from the gas stream. Maintaining a high temperature in the bag house allowed clean particulate removal from the waste stream. The clean particulate was then combined in the exit breach hopper with clean material exiting the desorber. The gases, which were filtered and substantially free of particulate, exited the high temperature bag house and entered the quench. Gases were first saturated and then further cooled by the quench recirculation pumps. Water was drawn from the bottom of the quench sump and recirculated through nozzles at the top of the quench to sub-cool the gases below saturation temperatures. By sub-cooling the gas stream, steam contained in the gas stream condensed to the liquid phase.

As previously discussed, the LTTD system was maintained under negative vacuum to prevent fugitive emissions and draw contaminants into the vapor management process. After exiting the calciner, the vapors were drawn through a high-temperature bag house. The bag-house used either flexible high-temperature polyester bags or rigid ceramic cylinders to remove dust from the recovery process. A negative air pulse system was used on both the bags and cylinders to liberate particulates from the air stream back into the soil management process feeding the pug mill.

This contaminated liquid accumulated in the quench sump, and was drawn off by gravity to maintain an adequate quench water level. The water drawn off was sent to the liquid treatment system. The LTTD unit was designed to condense and collect the bulk contaminants in the liquid phase at the quench. Gases leaving the quench were free of all

bulk contaminants and contain only trace amounts of contaminants. The remainder of the air pollution control devices were designed to separate the trace contaminants from the gas stream. Gases exiting the quench entered a single pass shell and tube style primary condenser. Non-contact coolant fluid consisting of a water and glycol mixture was pumped through the chiller and routed through the primary condenser. The purpose of the primary condenser was to reduce the moisture content of the gas stream by further sub-cooling the process gas stream. Any moisture collected from the primary condenser was routed to the water treatment system. The primary condenser system was designed with an identical standby unit, which could be placed in service without interruption of soil feed, should it had become necessary to take the lead primary condenser off-line.

Upon exiting the primary condenser, the gases were routed through a 24"x48" coalescing filter designed to trap very fine oil droplets which might were suspended in the gas stream following the quench and condenser. By removing any suspended mist or droplets, the gas stream was conditioned to improve the efficiency and the life of the downstream granular activated vapor phase carbon. The coalescing filter was preceded by a 20"x20"x12" pre-filter box. The pre-filter box was designed to protect and extend the life of the coalescing filter by trapping any trace, very fine particulate which might be suspended in the gas stream. Any mists of droplets collected by the pre-filter or coalescing filter were routed to the water treatment system.

Process gases exited the coalescing filter cabinet and passed through a 30"x30"x6" HEPA filter designed to further polish the gas stream of any entrained particulate. Gases then passed through the vapor phase carbon preheater. The preheater was a non-contact fin and tube heat exchanger that raised the temperature of the gas stream. The preheater was used under cold weather conditions, and only as needed to assist in eliminating any free moisture carryover to the downstream granular activated vapor phase carbon bed.

Gases then passed through the granular activated vapor phase carbon beds. The granular activated vapor phase carbon beds consisted of three vessels, each containing 1000 pounds of carbon arranged to allow for lead/lag operation. The process gases passed through the lead vessel first, and then were routed through the lag vessel. The final granular activated vapor phase carbon vessel was identical to the vessels used in the lead/lag team. Although the last carbon vessel was not expected to receive any appreciable loading of hydrocarbons, it had been included in the process to serve as a final polishing step.

Upon exiting the final granular activated vapor phase carbon vessel, gases were routed through a 24"×24"×12" HEPA filter to capture any carbon particulate escaping the final carbon vessel.

The air pollution control equipment and all interconnecting piping were grounded against static electricity. An induced draft (ID) fan was constructed of non-sparking materials with an explosion proof drive system. These safety measures prevented the possible ignition of any vapors in the gas stream. At the completion of the vapor treatment phase the vapors were routed to the calciner exhaust burners.

G.6. Liquid Treatment Process

Liquid effluents from the air pollution control system were diverted to an onsite water treatment system located within a temporary building (separate from the soil handling operations). Liquid effluents initially passed through a filter press to remove solids that were not removed from the vapor stream by the bag house. The liquid stream then flowed through an oil-water separator where constituents consisting primarily of PCB oils were separated from the water stream.

The PCB oils were pumped to a 7,500-gallon tank for storage prior to disposal. The remaining liquid effluent was then pumped to a 20,000-gallon tank for temporary storage prior to treatment through the LTTD water treatment system operated by MT.

Initial treatment within the system included chemical addition in the pH adjustment tank and flocculent addition within a chemical mixing tank/flocculator. Upon pH adjustment and polymer addition, suspended solids were removed by a clarifier. The water from the clarifier then passed through 5 micron dual particulate bag filters to remove small micron suspended solids. Flow was directed to one bag filter, while the other was being replaced. Final treatment within the system was performed by four lead/lag liquid phase granular activated carbon (GAC) absorbers. The stream flowed sequentially through two 1,000 lb. vessels and two 1,500 lb. vessels. The treated water effluent was stored in a 20,000 gal fractional tank and recycled as cooling water for the pug mill and re-moistening of treated soils.

G.7. Air Management Process

As previously discussed, a secondary source of fugitive dust emissions was the desorption stage of the LTTD system. The LTTD unit was kept under vacuum (negative pressure) by an induced draft (ID) fan. Negative pressure prevented fugitive emissions of gases and particulates from the LTTD unit to the atmosphere, and highly efficiency seals

were used at the feed and discharge ends of the thermal desorber to ensure the containment of dust within the system.

The products of combustion were exhausted through one of three stacks equally spaced along the top of the calciner. Air from the process system was fed into the inlet of the burners as well.

In addition, an air handling system was installed within the soil handling building to divert potential emissions from soil handling activities would be diverted to a carbon absorber unit and exhausted through a permitted point source.

G.8. Waste and Recycle/Reuse

The entire LTTD unit also took advantage of non-contact and closed-loop systems for heating, cooling, and process materials management. These closed loop systems isolated the contaminated materials, thereby minimizing the waste stream that had to be cleaned or disposed.

- Water recovered from the LTTD process was treated and reused for non-contact liquid cooling, dust control and soil rehydration.
- Air from soil and water processing structures was introduced as combustion inlet air for the calciner.
- Ambient air was used to cool soil before the addition of hydration water, reducing the thermal loss of the water vapor
- Soils were remediated and reused on site.

The waste was condensed to small volumes of primarily liquid wastes, available for destruction or disposal at a permitted facility, carbon which was reconditioned or disposed of at a permitted facility, and general site waste.

G.9. Demobilization

Soil treatment was completed on February 22, 2011 and demobilization of the LTTD was completed on July 12, 2011.

TODAYS DATE 1/12/2012	Sample Point	ba-01 0-6		ba-02 0-6		ba-03 0-6		ba-03-18-24		ba-04 0-6		ba-04 18-24		ba-05 0-6		ba-06 0-6		ba-07 0-6	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	WC		WC		WC		WC		WC		WC		WC		WC			
	Lab ID	MB0011		MB0003		MB0004		MB0005		MB0001		MB0006		MB0013		MB0014		MB0015	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	MB0001		MB0001		MB0001		MB0001		MB0001		MB0001		MB0001		MB0001		MB0001	
	Date Sampled	04/07/2009		04/07/2009		04/07/2009		04/07/2009		04/07/2009		04/07/2009		04/08/2009		04/08/2009		04/08/2009	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.0056	U	0.00021	J	0.0092	U	0.0074	J	0.0015	J	0.019		0.00094	J	0.0011	J	0.023	
Benzo(b)fluoranthene	50 mg/Kg	9.4		10		7.2		7.3		2.6		0.9		2.2		3.1		1.7	
Fluoranthene	100 mg/Kg	11		17		7.9		7.9		3		1		2.1		5.2		2.9	
Total PCB's* ROD Criteria	500 mg/Kg	19		34		10		12		47		5				140		200	
4,4'-DDE	50 mg/Kg	0.7		1.8		0.38		0.46		2.2		0.24		0.023	J	5		65	
Aldrin	50 mg/Kg	0.0021	UJ	0.022	U	0.023	U	0.018	U	0.023	U	0.0022	UJ	0.0021	UJ	0.28	U	2.3	U
Dieldrin	50 mg/Kg	0.33	R	0.042	U	0.044	U	0.035	U	0.045	U	0.0043	UJ	0.0041	UJ	0.53	U	4.5	U

Legend:

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	ba-07 18-24		ba-08 0-6		ba-08 18-24		ba-10 0-6		ba-10 18-24		ba-11 0-6	
	Validated/Preliminary	V		V		V		V		V		V	
	Final Ver/Waste Char			WC				WC				WC	
	Lab ID	MB0016		MB0017		MB0012		MB0024		MB0025		MB0026	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	MB0001		MB0017		MB0001		MB0017		MB0017		MB0017	
	Date Sampled	04/08/2009		04/08/2009		04/08/2009		04/09/2009		04/09/2009		04/09/2009	
Constituent	**Unit**												
Trichloroethene	1 mg/Kg	1.8		0.064		12		0.017		5		0.073	
Benzo(b)fluoranthene	50 mg/Kg	0.024	J	4.9		0.054	J	0.86	J	0.19	J	2.2	
Fluoranthene	100 mg/Kg	0.029	J	1.8		0.045	J	0.84	J	0.2	J	3.4	
Total PCB's* ROD Criteria	500 mg/Kg	5.2		38		1.2		230		22		47	
4,4'-DDE	50 mg/Kg	0.26		2.9		0.043	J	12		1.4		2.4	
Aldrin	50 mg/Kg	0.021	UJ	0.22	UJ	0.002	UJ	0.22	U	0.02	UJ	0.21	U
Dieldrin	50 mg/Kg	0.04	UJ	0.42	UJ	0.0038	UJ	0.43	U	0.04	UJ	0.41	U

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TODAYS DATE 1/12/2012	Sample Point	CD-A4-1-FL		CD-A5-1-FL		CD-A6-1-FL		CD-A7-4-FL		CD-A7-1-WW		CD-A7-2-EW		CD-A8-1-FL		CD-A9-1-FL		CD-A13-0-6"RR	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	K1468-01		K1501-01		K1501-02		K2597-01		K1961-02		K2327-02		K1501-04		K1501-05		K1553-01	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	K1468		K1501		K1501		K2597		K1961		K2327		K1501		K1501		K1553	
	Date Sampled	08/11/2011		08/17/2011		08/17/2011		12/08/2011		10/10/2011		11/07/2011		08/17/2011		08/17/2011		08/24/2011	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.28	U	0.27	U	0.26	U	0.33	U	0.33	U	0.25	U	0.26	U	0.29		0.32	U
Benzo(b)fluoranthene	50 mg/Kg	1.9	U	1.9	U	1.8	U	2	U	1.8	U	1.8	U	1.7	U	1.7	U	3.1	
Fluoranthene	100 mg/Kg	1.9	U	1.9	U	1.8	U	2	U	1.8	U	1.8	U	1.7	U	1.7	U	2.2	
Total PCB's* ROD Criteria	500 mg/Kg	1.8		24		210		27		20		65		11		360		69	
4,4'-DDE	50 mg/Kg	0.11	U	0.62		6.5		0.43		0.41		1.6	U	0.30		11		1.5	
Aldrin	50 mg/Kg	0.056	U	0.16		1.4	U	0.090		0.053	U	0.82	U	0.053	U	2.6	U	0.54	U
Dieldrin	50 mg/Kg	0.11	U	0.12	U	2.7	U	0.27		0.12	P	1.6	U	0.21		9.2		3.3	P

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TODAYS DATE 1/12/2012		Sample Point	CD-A13-18"-24"RR		A-14 SW		CD-A15-0-6"RR		CD-A15-18"-24"RR		A-15 SW		CD-A16-0-6"RR		CD-A17-0-6"RR		CD-A18-0-6"RR	
		Validated/Preliminary	V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	K1553-02		MB0051		K1553-04		K1553-05		MB0052		K1553-06		K1553-07		K1553-08	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	K1553		MB0046		K1553		K1553		MB0046		K1553		K1553		K1553	
		Date Sampled	08/24/2011		6/9/2009		08/24/2011		08/24/2011		6/9/2009		08/24/2011		08/24/2011		08/24/2011	
Constituent	**Unit**																	
Trichloroethene	1 mg/Kg		1.5		0.0056	U	0.56	U	0.91		0.0047	U	0.56	U	0.4	U	0.59	U
Benzo(b)fluoranthene	50 mg/Kg		1.9	U	0.087	J	1.4	J	0.70	J	0.014	J	3.6		2.3		1.9	U
Fluoranthene	100 mg/Kg		1.9	U	0.027	J	1.1	J	0.59	J	0.19	U	3.8		2.9		1.9	U
Total PCB's* ROD Criteria	500 mg/Kg		8.4		15		40		14		3.7		240		230		15	
4,4'-DDE	50 mg/Kg		0.16		0.55		0.76		0.23		0.13		5.3		5.1		0.30	
Aldrin	50 mg/Kg		0.059	U	0.019	U	0.38	U	0.063	U	0.0019	U	1.6	U	1.5	U	0.057	U
Dieldrin	50 mg/Kg		0.12	U	0.41	R	1.8	P	0.12	U	0.098	R	3.1	U	12	P	0.11	U

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TODAYS DATE 1/12/2012	Sample Point	CD-AA9-1-NW		CD-AA10-1-NW		CD-AA10-1-FL		CD-AA11-1-FL		CD-AA11-1-WW		CD-AA12-1-FL		CD-AA13-1-FL		CD-AA14-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	H1889-05		H1889-06		H1889-09		H1889-10		H1753-02		H1869-01		H1825-04		H1869-02	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	H1889		H1889		H1889		H1889		H1753		H1869		H1825		H1869	
	Date Sampled	09/28/2009		09/28/2009		09/28/2009		09/28/2009		09/10/2009		09/24/2009		09/21/2009		09/24/2009	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.0049	U	0.0050	J	0.005	U	0.057		0.037		0.0060		0.0055	U	0.0049	
Benzo(b)fluoranthene	50 mg/Kg	0.38	U	0.4	U	0.38	U	0.37	U	2.2		0.4	U	0.060	J	0.39	
Fluoranthene	100 mg/Kg	0.38	U	0.4	U	0.050	J	0.041	J	4.4		0.4	U	0.087	J	0.39	
Total PCB's* ROD Criteria	500 mg/Kg	0.046		0.081		1.9		0.77		1.8		U		13		U	
4,4'-DDE	50 mg/Kg	0.0038	U	0.004	U	0.038	U	0.018	U	0.033	U	0.004	U	0.2	U	0.0039	
Aldrin	50 mg/Kg	0.0019	U	0.0021	U	0.02	U	0.0094	U	0.017	U	0.002	U	0.1	U	0.002	
Dieldrin	50 mg/Kg	0.0038	U	0.004	U	0.059	P	0.019	P	0.04	P	0.004	U	0.31	P	0.0039	

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B-Analyte detected in method blank.

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Comments: *

TODAYS DATE 1/12/2012	Sample Point	CD-AA15-1-FL		CD-AA16-1-FL		CD-AA16-1-WW		CD-AA17-1-FL		CD-AA18-1-FL		CD-AA19-1-FL		CD-AA19-1-NW	
	Validated/Preliminary	V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
	Lab ID	H1869-03		H1869-04		H1753-09		H1840-02		H1840-03		H1790-04		H1965-01	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	H1869		H1869		H1753		H1840		H1840		H1790		H1965	
	Date Sampled	09/24/2009		09/24/2009		09/10/2009		09/22/2009		09/22/2009		09/17/2009		10/07/2009	
Constituent	**Unit**														
Trichloroethene	1 mg/Kg	U	0.0047	U	0.0049	U	0.0016	J	0.0049	U	0.0047	U	0.0045	U	0.0045	U
Benzo(b)fluoranthene	50 mg/Kg	U	0.39	U	0.4	U	0.26	J	0.39	U	0.37	U	0.39	U	0.36	U
Fluoranthene	100 mg/Kg	U	0.39	U	0.4	U	0.31	J	0.39	U	0.37	U	0.39	U	0.064	J
Total PCB's* ROD Criteria	500 mg/Kg		23		4.2		240		0.11		0.054		0.2		1.1	
4,4'-DDE	50 mg/Kg	U	0.28	P	0.08	U	5.9		0.0039	U	0.0037	U	0.0053		0.036	
Aldrin	50 mg/Kg	U	0.12	U	0.041	U	1.9	U	0.002	U	0.0019	U	0.002	U	0.013	U
Dieldrin	50 mg/Kg	U	0.44	P	0.10	P	5.2	P	0.0039	U	0.0037	U	0.0039	U	0.030	P

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-AA20-1-FL		CD-AA20-1-EW		CD-AA20-1-NW		CD-AA24-1-EW		CD-AA24-1-SW		CD-AA252627-1FV-FL		CD-AA25-1-SW	
		Validated/Preliminary	V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
		Lab ID	H2298-01		H2298-02		H1965-02		K0359-12		K0359-13		K0340-04		K0340-01	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	H2298		H2298		H1965		K0359		K0359		K0340		K0340	
		Date Sampled	11/12/2009		11/12/2009		10/07/2009		03/09/2011		03/09/2011		03/04/2011		03/04/2011	
Constituent	**Unit**															
Trichloroethene	1	mg/Kg	0.27	U	0.24	U	0.0045	U	0.33	U	0.29	U	0.31	U	0.27	U
Benzo(b)fluoranthene	50	mg/Kg	3.7	U	3.6	U	0.36	U	3.5	U	3.7	U	3.6	U	3.8	U
Fluoranthene	100	mg/Kg	0.71	J	3.6	U	0.075	J	3.5	U	3.7	U	3.6	U	3.8	U
Total PCB's* ROD Criteria	500	mg/Kg	U		3.6		1		4.1		3.2		17.1		2.4	
4,4'-DDE	50	mg/Kg	0.11	U	0.1	U	0.0077	P	0.1	U	0.11	U	0.33		0.11	U
Aldrin	50	mg/Kg	0.056	U	0.053	U	0.0024	P	0.054	U	0.055	U	0.057	U	0.056	U
Dieldrin	50	mg/Kg	0.11	U	0.1	U	0.013	P	0.1	U	0.11	U	0.11	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-AA26-1-SW		CD-AA27-1-SW		CD-AA28-1-FL		CD-AA29-1-FL2'		CD-AA29-1-FL6'		CD-AA29-1-SW5'		CD-AA29-1-EW5'	
	Validated/Preliminary	V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
	Lab ID	K0340-02		K0340-03		J1623-01		J1628-06		J1628-07		J1628-08		J1628-09	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	K0340		K0340		J1623		J1628		J1628		J1628		J1628	
	Date Sampled	03/04/2011		03/04/2011		08/18/2010		08/19/2010		08/19/2010		08/19/2010		08/19/2010	
Constituent	**Unit**														
Trichloroethene	1 mg/Kg	0.35	U	0.28	U	0.26	U	0.25	U	0.27	U	0.3	U	0.29	U
Benzo(b)fluoranthene	50 mg/Kg	3.8	U	3.8	U	3.4	U	3.4	U	3.7	U	3.5	U	3.3	U
Fluoranthene	100 mg/Kg	3.8	U	3.8	U	3.4	U	3.4	U	0.38	J	3.5	U	3.3	U
Total PCB's* ROD Criteria	500 mg/Kg	7.6		U		U		U		4.2		6.4		0.53	
4,4'-DDE	50 mg/Kg	0.15		0.11	U	0.11	U	0.1	U	0.11	U	0.23		0.1	U
Aldrin	50 mg/Kg	0.06	U	0.057	U	0.056	U	0.051	U	0.055	U	0.057	U	0.054	U
Dieldrin	50 mg/Kg	0.12	U	0.11	U	0.11	U	0.1	U	0.11	U	0.20	P	0.1	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-AA29-1-NW5'		CD-AA29-1-WW5'		CD-AA30-1-NW		CD-AA30-1-EW		CD-AA30-1-WW		CD-AA30-1-SW		CD-AA31-1-FL	
		Validated/Preliminary	V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
		Lab ID	J1628-10		J1628-11		J1644-01		J1644-02		J1644-03		J1644-04		J1644-05	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J1628		J1628		J1644		J1644		J1644		J1644		J1644	
		Date Sampled	08/19/2010		08/19/2010		08/23/2010		08/23/2010		08/23/2010		08/23/2010		08/23/2010	
Constituent	**Unit**															
Trichloroethene	1 mg/Kg				0.26	U	0.3	U	0.28	U	0.33	U	0.29	U	0.3	U
Benzo(b)fluoranthene	50 mg/Kg		4.8	U	3.4	U	3.8	U	3.9	U	0.47	J	3.9	U	4.1	U
Fluoranthene	100 mg/Kg		0.60	J	3.4	U	3.8	U	3.9	U	4	U	3.9	U	4.1	U
Total PCB's* ROD Criteria	500 mg/Kg		11.6		U		U		U		5.5		23		U	
4,4'-DDE	50 mg/Kg		0.16		0.1	U	0.12	U	0.12	U	0.12	U	0.29		0.12	U
Aldrin	50 mg/Kg		0.071	U	0.054	U	0.059	U	0.06	U	0.062	U	0.06	U	0.063	U
Dieldrin	50 mg/Kg		0.14	U	0.1	U	0.12	U	0.12	U	0.12	U	0.31		0.12	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-AA32-1-FL		CD-AA3334-1-FL2'		CD-AA3334-1-FL6'		CD-AA33-1-SW		CD-AA34-1-SW		CD-AA35-1-FL		CD-AA36-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J1650-01		J0355-07		J0355-08		J0383-01		J0383-02		J0091-02		J0091-01	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J1650		J0355		J0355		J0383		J0383		J0091		J0091	
	Date Sampled	08/24/2010		03/04/2010		03/04/2010		03/08/2010		03/08/2010		01/19/2010		01/19/2010	
Constituent	**Unit**														
Trichloroethene	1 mg/Kg	0.26	U	0.26	U	0.22	U	0.29	U	0.32	U	0.26	U	0.26	U
Benzo(b)fluoranthene	50 mg/Kg	3.6	U	3.9	U	3.9	U	3.5	U	3.5	U	3.7	U	3.6	U
Fluoranthene	100 mg/Kg	3.6	U	3.9	U	3.9	U	3.5	U	3.5	U	3.7	U	0.59	J
Total PCB's* ROD Criteria	500 mg/Kg	0.76		U		1.8		0.57		1.5		U		U	
4,4'-DDE	50 mg/Kg	0.1	U	0.12	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U
Aldrin	50 mg/Kg	0.054	U	0.06	U	0.059	U	0.054	U	0.052	U	0.057	U	0.058	U
Dieldrin	50 mg/Kg	0.1	U	0.12	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-AA37-1-FL		CD-AA38-1-FL		CD-AA39-1-FL		CD-AA40-1-FL2'		CD-AA41-1-FL2'		CD-AA42-1-FL		CD-AA43-1-FL		CD-AA44-1-FL2'	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J0039-01		J0039-02		J0039-03		J0027-01		J0027-02		H2619-02		H2619-03		J0016-02	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J0039		J0039		J0039		J0027		J0027		H2619		H2619		J0016	
	Date Sampled	01/11/2010		01/11/2010		01/11/2010		01/07/2010		01/07/2010		12/22/2009		12/22/2009		01/06/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.26	U	0.23	U	0.25	U	0.4	U	0.35	U	0.3	U	0.31	U	0.47	U
Benzo(b)fluoranthene	50 mg/Kg	0.58	J	3.3	U	3.2	U	3.9	U	3.7	U	4	U	3.7	U	3.5	U
Fluoranthene	100 mg/Kg	1.3	J	3.3	U	3.2	U	3.9	U	3.7	U	4	U	3.7	U	3.5	U
Total PCB's* ROD Criteria	500 mg/Kg	1.0		1.0		7.9		U		U		U		U		2.9	
4,4'-DDE	50 mg/Kg	0.11	U	0.1	U	0.12	P	0.12	U	0.12	U	0.11	U	0.11	U	0.1	U
Aldrin	50 mg/Kg	0.054	U	0.053	U	0.053	U	0.06	U	0.059	U	0.059	U	0.057	U	0.054	U
Dieldrin	50 mg/Kg	0.11	U	0.1	U	0.12	P	0.12	U	0.12	U	0.11	U	0.11	U	0.1	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE	**Sample Point**	CD-AA43-1-EW	
1/12/2012	**Validated/Preliminary**	V	
	Final Ver/Waste Char	FV	
	Lab ID	J1379-02	
	MEDIUM	SOIL	
	Lab Group	J1379	
	Date Sampled	07/08/2010	

Constituent		**Unit**		
Trichloroethene	1	mg/Kg	0.37	U
Benzo(b)fluoranthene	50	mg/Kg	8.1	
Fluoranthene	100	mg/Kg	7.1	
Total PCB's* ROD Criteria	500	mg/Kg	230	
4,4'-DDE	50	mg/Kg	4.9	U
Aldrin	50	mg/Kg	2.5	U
Dieldrin	50	mg/Kg	4.9	U

Legend:

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-AB9-1-WW		CD-AB9-1-FL		CD-AB10-1-FL		CD-AB11-1-FL		CD-AB11-1-WW		CD-AB12-1-FL		CD-AB13-1-FL	
		Validated/Preliminary	V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
		Lab ID	H1889-04		H1889-11		H1889-08		H1889-07		H1753-03		H1825-05		H1825-02	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	H1889		H1889		H1889		H1889		H1753		H1825		H1825	
		Date Sampled	09/28/2009		09/28/2009		09/28/2009		09/28/2009		09/10/2009		09/21/2009		09/21/2009	
Constituent	**Unit**															
Trichloroethene	1	mg/Kg	0.005	U	0.0051	U	0.0029	J	0.013		0.085		0.005	J	0.0058	U
Benzo(b)fluoranthene	50	mg/Kg	0.39	U	0.055	J	0.098	J	0.080	J	0.73		0.39	U	0.066	J
Fluoranthene	100	mg/Kg	0.39	U	0.079	J	0.092	J	0.092	J	1.3		0.39	U	0.11	J
Total PCB's* ROD Criteria	500	mg/Kg	0.048		0.74		0.60		3.0		0.27		17		20	
4,4'-DDE	50	mg/Kg	0.0039	U	0.0075	P	0.0066	P	0.038	U	0.0039	U	0.16	U	0.55	
Aldrin	50	mg/Kg	0.002	U	0.002	U	0.002	U	0.02	U	0.002	U	0.08	U	0.083	U
Dieldrin	50	mg/Kg	0.0039	U	0.016	P	0.014	P	0.079	P	0.0041	P	0.2	P	0.46	P

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

Comments: * Refer to sample AC-15-SW for re-sample of failure at AB-15-SW

TODAYS DATE 1/12/2012		Sample Point	CD-AB14-1-FL		CD-AB14-1-SW		CD-AB-15-1-FL		CD-AB16-1-SW		CD-AB16-1-FL		CD-AB17-1-WW		CD-AB18-1-FL	
		Validated/Preliminary	V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
		Lab ID	H1825-01		H1753-06		H1840-01		H1790-10		H1909-01		H1753-10		H1790-02	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	H1825		H1753		H1840		H1790		H1909		H1753		H1790	
		Date Sampled	09/21/2009		09/10/2009		09/22/2009		09/17/2009		09/30/2009		09/10/2009		09/17/2009	
Constituent	**Unit**															
Trichloroethene	1	mg/Kg	0.0056	U	0.0048	U	0.0045	U	0.0051	U	0.0054	U	0.0054	U	0.005	U
Benzo(b)fluoranthene	50	mg/Kg	0.11	J	4.4		0.38	U	1.3		0.41	U	0.4	U	0.39	U
Fluoranthene	100	mg/Kg	0.16	J	7.5	E	0.38	U	2.8		0.41	U	0.066	J	0.39	U
Total PCB's* ROD Criteria	500	mg/Kg	19		270		0.68		13		0.82		5		0.38	
4,4'-DDE	50	mg/Kg	0.26	P	4	P	0.0095	P	0.24		0.030		0.081	U	0.0087	
Aldrin	50	mg/Kg	0.097	U	2	U	0.002	U	0.083	U	0.011	U	0.042	U	0.002	U
Dieldrin	50	mg/Kg	0.47	P	6.5	P	0.011	P	0.22		0.025	P	0.11	P	0.0066	

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-AB19-1-FL		CD-AB20-1-EW		CD-AB20-1-FL		CD-AB27-1-FL		CD-AB27-1-WW		CD-AB27-1-SW		CD-AB28-1-FL	
		Validated/Preliminary	V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
		Lab ID	H1790-03		H1782-06		H1790-05		J1623-02		J1628-05		J1628-01		J1623-03	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	H1790		H1782		H1790		J1623		J1628		J1628		J1623	
		Date Sampled	09/17/2009		09/15/2009		09/17/2009		08/18/2010		08/19/2010		08/19/2010		08/18/2010	
Constituent	**Unit**															
Trichloroethene	1	mg/Kg	0.005	U	0.0054	U	0.0046	U	0.27	U	0.24	U	0.27	U	0.24	U
Benzo(b)fluoranthene	50	mg/Kg	0.39	U	0.18	J	0.61		3.7	U	3.5	U	3.4	U	3.5	U
Fluoranthene	100	mg/Kg	0.39	U	0.25	J	2.3		3.7	U	3.5	U	3.4	U	3.5	U
Total PCB's* ROD Criteria	500	mg/Kg	0.049		9.7		0.038		1.3		1.8		0.67		U	
4,4'-DDE	50	mg/Kg	0.0039	U	0.17		0.0038	U	0.056	J	0.1	U	0.11	U	0.11	U
Aldrin	50	mg/Kg	0.002	U	0.043	U	0.002	U	0.054	U	0.051	U	0.055	U	0.054	U
Dieldrin	50	mg/Kg	0.0039	U	0.14	P	0.0038	U	0.1	U	0.1	U	0.11	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-AB28-1-SW		CD-AB29-1-FL		CD-AB29-1-SW		CD-AB30-1-FL		CD-AB30-1-SW		CD-AB31-1-FL		CD-AB31-1-SW	
		Validated/Preliminary	V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
		Lab ID	J1628-02		J1628-03		J1628-04		J1644-06		J1644-07		J1644-08		J1644-09	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J1628		J1628		J1628		J1644		J1644		J1644		J1644	
		Date Sampled	08/19/2010		08/19/2010		08/19/2010		08/23/2010		08/23/2010		08/23/2010		08/23/2010	
Constituent	**Unit**															
Trichloroethene	1 mg/Kg		0.25	U	0.27	U	0.27	U	0.32	U	0.28	U	0.31	U	0.31	U
Benzo(b)fluoranthene	50 mg/Kg		3.3	U	3.6	U	3.5	U	4	U	4.1	U	4	U	4.1	U
Fluoranthene	100 mg/Kg		3.3	U	3.6	U	3.5	U	4	U	4.1	U	4	U	4.1	U
Total PCB's* ROD Criteria	500 mg/Kg		2.91		U		0.86		U		U		U		U	
4,4'-DDE	50 mg/Kg		0.1	U	0.11	U	0.1	U	0.12	U	0.12	U	0.12	U	0.12	U
Aldrin	50 mg/Kg		0.054	U	0.054	U	0.053	U	0.062	U	0.064	U	0.062	U	0.064	U
Dieldrin	50 mg/Kg		0.1	U	0.11	U	0.1	U	0.12	U	0.12	U	0.12	U	0.12	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-AB32-1-FL		CD-AB32-1-SW		CD-AB33-1-FL		CD-AB33-1-SW		CD-AB34-1-FL		CD-AB34-1-SW		CD-AB35-1-FL	
		Validated/Preliminary	V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
		Lab ID	J1650-02		J1650-03		J1650-04		J1650-05		J1656-01		J1656-02		J0091-03	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J1650		J1650		J1650		J1650		J1656		J1656		J0091	
		Date Sampled	08/24/2010		08/24/2010		08/24/2010		08/24/2010		08/25/2010		08/25/2010		01/19/2010	
Constituent	**Unit**															
Trichloroethene	1 mg/Kg		0.28	U	0.27	U	0.28	U	0.27	U	0.24	U	0.23	U	0.26	U
Benzo(b)fluoranthene	50 mg/Kg		3.8	U	3.4	U	3.6	U	3.6	U	3.4	U	3.6	U	3.7	U
Fluoranthene	100 mg/Kg		3.8	U	3.4	U	3.6	U	3.6	U	3.4	U	3.6	U	3.7	U
Total PCB's* ROD Criteria	500 mg/Kg		U		U		U		U		U		U		U	
4,4'-DDE	50 mg/Kg		0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U
Aldrin	50 mg/Kg		0.055	U	0.056	U	0.058	U	0.055	U	0.053	U	0.057	U	0.056	U
Dieldrin	50 mg/Kg		0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-AB36-1-FL		CD-AB37-1-FL		CD-AB38-1-FL		CD-AB39-1-FL		CD-AB40-1-FL2'		CD-AB41-1-FL		CD-AB42-1-FL		CD-AB43-1-FL	
		Validated/Preliminary	V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	J0046-01		J0039-04		J0039-05		J0039-06		J0027-06		J0039-07		H2619-01		J1089-01	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J0046		J0039		J0039		J0039		J0027		J0039		H2619		J1089	
		Date Sampled	01/12/2010		01/11/2010		01/11/2010		01/11/2010		01/07/2010		01/11/2010		12/22/2009		05/25/2010	
Constituent	**Unit**																	
Trichloroethene	1 mg/Kg		0.41	U	0.23	U	0.26	U	0.29	U	0.39	U	0.36	U	0.28	U	0.29	U
Benzo(b)fluoranthene	50 mg/Kg		3.6	U	3.4	U	3.4	U	3.4	U	3.7	U	3.2	U	3.6	U	3.7	U
Fluoranthene	100 mg/Kg		3.6	U	3.4	U	3.4	U	3.4	U	3.7	U	3.2	U	3.6	U	3.7	U
Total PCB's* ROD Criteria	500 mg/Kg		U		U		U		3.7		U		U		U		U	
4,4'-DDE	50 mg/Kg		0.11	U	0.1	U	0.1	U	0.1	U	0.11	U	0.099	U	0.11	U	0.11	U
Aldrin	50 mg/Kg		0.057	U	0.053	U	0.052	U	0.054	U	0.057	U	0.051	U	0.056	U	0.057	U
Dieldrin	50 mg/Kg		0.11	U	0.1	U	0.1	U	0.1	U	0.11	U	0.099	U	0.11	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE	**Sample Point**	CD-AB43-1-EW
1/12/2012	**Validated/Preliminary**	V
	Final Ver/Waste Char	FV
	Lab ID	J1379-03
	MEDIUM	SOIL
	Lab Group	J1379
	Date Sampled	07/08/2010

Constituent		**Unit**		
Trichloroethene	1	mg/Kg	0.28	U
Benzo(b)fluoranthene	50	mg/Kg	0.65	J
Fluoranthene	100	mg/Kg	0.63	J
Total PCB's* ROD Criteria	500	mg/Kg	87	
4,4'-DDE	50	mg/Kg	2.3	
Aldrin	50	mg/Kg	0.98	U
Dieldrin	50	mg/Kg	1.9	P

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	AC-6 0-6"		AC-6 18-24"		AC-9 0-6"		AC-12 0-6"		AC-12 18-24"		AC-15 0-6"		AC-15 18-24"		CD-AC9-1-SW		CD-AC10-1-SW	
		Validated/Preliminary	V		V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	WC		WC		WC		WC		WC		WC		WC		FV		FV	
		Lab ID	MB0080		MB0081		MB0082		MB0076		MB0077		MB0078		MB0079		H1889-03		H1889-02	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	MB0076		MB0076		MB0076		MB0076		MB0076		MB0076		MB0076		H1889		H1889	
		Date Sampled	7/22/2009		7/22/2009		7/22/2009		7/22/2009		7/22/2009		7/22/2009		7/22/2009		09/28/2009		09/28/2009	
Constituent	**Unit**																			
Trichloroethene	1 mg/Kg		0.0081	U	0.0048	U	0.0054	U	0.006	U	0.0051		0.0085	U	0.0055	U	0.0055	U	0.020	
Benzo(k)fluoranthene	500 mg/Kg		0.28		0.19	U	0.2	U	0.21		0.2	U	1.4		0.1	J	0.21	J	0.41	
Fluoranthene	100 mg/Kg		0.8		0.19	U	0.13	J	0.59		0.18	J	3.6	E	0.4		0.79		0.049	
Total PCB's* ROD Criteria	500 mg/Kg		11		0.46		1.2		8.5		15		16		1.8		3.8		0.42	
4,4'-DDE	50 mg/Kg		0.0036	U	0.0038	U	0.0039	U	0.004	U	0.0038	U	0.0044	U	0.0044	U	0.049	P	0.0048	
Aldrin	50 mg/Kg		0.0018	U	0.0019	U	0.002	U	0.002	U	0.002	U	0.0023	U	0.0023	U	0.02	U	0.0021	
Dieldrin	50 mg/Kg		0.0036	U	0.0038	U	0.0039	U	0.004	U	0.0038	U	0.0044	U	0.0044	U	0.094	P	0.0097	

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

Comments: *Refusal at ~1 foot BG in sample AC-9-0-6"

TODAYS DATE 1/12/2012	Sample Point	CD-AC11-1-SW		CD-AC12-1-SW		CD-AC13-2-SW		CD-AC13-1-FL		CD-AC14-1-SW		CD-AC15-1-SW		CD-AC17-1-WW	
	Validated/Preliminary	V		V		P		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		H1790-08		H1790-09		FV	
	Lab ID	H1889-01		H1753-04		H1790-07		H1825-03		SOIL		SOIL		H1782-01	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		H1790		H1790		SOIL	
	Lab Group	H1889		H1753		H1790		H1825		09/17/2009		09/17/2009		H1782	
	Date Sampled	09/28/2009		09/10/2009		09/17/2009		09/21/2009						09/15/2009	
Constituent	**Unit**														
Trichloroethene	1 mg/Kg		0.20		0.011		0.0051	U	0.0045	U	0.0049	U	0.0053	U	0.0064	U
Benzo(k)fluoranthene	500 mg/Kg	U	0.057	J	0.37	U	0.09	J	0.38	U	0.8		0.22	J	0.21	J
Fluoranthene	100 mg/Kg	J	0.22	J	0.13	J	0.28	J	0.096	J	3.4		0.78		0.72	
Total PCB's* ROD Criteria	500 mg/Kg		0.25		1.6		36		30		31		17		35	
4,4'-DDE	50 mg/Kg	P	0.004	U	0.03	U	0.69		0.43	P	0.46		0.31		0.64	
Aldrin	50 mg/Kg	U	0.0021	U	0.015	U	0.19	U	0.2	U	0.2	U	0.1	U	0.12	U
Dieldrin	50 mg/Kg	P	0.0054	P	0.034	P	0.61		0.72	P	0.41		0.29		0.33	P

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-AC18-1-SW		CD-AC19-1-SW		CD-AC20-1-WW		CD-AC20-1-EW		CD-AC20-1-FL		CD-AC35-1-FL		CD-AC36-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		H1790-06		FV		FV	
	Lab ID	H1782-02		H1782-03		H1782-04		H1782-05		SOIL		J0091-04		J0046-02	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		H1790		SOIL		SOIL	
	Lab Group	H1782		H1782		H1782		H1782		09/17/2009		J0091		J0046	
	Date Sampled	09/15/2009		09/15/2009		09/15/2009		09/15/2009				01/19/2010		01/12/2010	
Constituent	**Unit**														
Trichloroethene	1 mg/Kg	0.005	U	0.0067	U	0.0056	U	0.0044	U	0.005	U	0.32	U	0.27	U
Benzo(k)fluoranthene	500 mg/Kg	0.2	J	5.4		0.063	J	0.37	U	0.38	U	3.6	U	3.5	U
Fluoranthene	100 mg/Kg	0.56		12	E	0.14	J	0.37	U	0.38	U	3.6	U	3.5	U
Total PCB's* ROD Criteria	500 mg/Kg	57		120		4.6		0.29		2.4		U		U	
4,4'-DDE	50 mg/Kg	0.73	P	2.5		0.08	P	0.0038	P	0.037		0.11	U	0.11	U
Aldrin	50 mg/Kg	0.16	U	0.47	U	0.02	U	0.0019	U	0.0098	U	0.055	U	0.057	U
Dieldrin	50 mg/Kg	1.2	P	2.1	P	0.08	P	0.0037	U	0.023		0.11	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-AC37-1-FL		CD-AC39-1-FL		CD-AC40-1-FL		CD-AC41-1-FL		CD-AC42-1-FL		CD-AC43-1-FL		CD-AC43-1-EW	
		Validated/Preliminary	V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
		Lab ID	J0062-03		J0046-03		J1089-02		J1089-03		J1089-04		J1089-05		J1379-04	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J0062		J0046		J1089		J1089		J1089		J1089		J1379	
		Date Sampled	01/14/2010		01/12/2010		05/25/2010		05/25/2010		05/25/2010		05/25/2010		07/08/2010	
Constituent	**Unit**															
Trichloroethene	1 mg/Kg		0.28	U	0.27	U	0.26	U	0.3	U	0.24	U	0.32	U	0.32	U
Benzo(k)fluoranthene	500 mg/Kg		3.4	U	3.3	U	3.8	U	3.6	U	3.5	U	3.5	U	3.3	U
Fluoranthene	100 mg/Kg		3.4	U	3.3	U	3.8	U	3.6	U	0.51	J	3.5	U	0.46	J
Total PCB's* ROD Criteria	500 mg/Kg		1.9		U		U		U		6.8		U		26	
4,4'-DDE	50 mg/Kg		0.1	U	0.1	U	0.11	U	0.11	U	0.12		0.11	U	0.24	P
Aldrin	50 mg/Kg		0.053	U	0.053	U	0.056	U	0.057	U	0.052	U	0.055	U	0.052	U
Dieldrin	50 mg/Kg		0.1	U	0.1	U	0.11	U	0.11	U	0.10		0.11	U	0.11	P

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	AD-22 0-6"		AD-22 18-24"		AD-25 0-6"		AD-25 18-24"		AD-28 0-6"		AD-28 18-24"		AD-31 0-6"		AD-31 18-24"		AD-34 0-6"	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	WC		WC		WC		WC		WC		WC		WC		WC		WC	
	Lab ID	MB0091		MB0092		MB0093		MB0094		MB0095		MB0096		MB0097		MB0098		MB0099	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	MB0091		MB0091		MB0091		MB0091		MB0091		MB0091		MB0091		MB0091		MB0091	
	Date Sampled	7/22/2009		7/22/2009		7/22/2009		7/22/2009		7/22/2009		7/22/2009		7/22/2009		7/22/2009		7/22/2009	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.0053	U	0.0049	U	0.0046	U	0.0063	U	0.0057	U	0.0047	U	0.0053	U	0.0059	U	0.0053	
Benzo(b)fluoranthene	50 mg/Kg	0.091	J	0.18	U	0.05	J	0.23	U	0.042	J	0.18	U	0.2	U	0.18	U	0.19	
Fluoranthene	100 mg/Kg	0.11	J	0.18	U	0.063	J	0.23	U	0.055	J	0.18	U	0.048	J	0.18	U	0.19	
Total PCB's* ROD Criteria	500 mg/Kg	0.5		0.026		0.21		U		0.32		0.024		0.08		U		0.11	
4,4'-DDE	50 mg/Kg	0.0036	U	0.0036	U	0.0035	U	0.0044	U	0.0038	U	0.0036	U	0.0038	U	0.0036	U	0.0036	
Aldrin	50 mg/Kg	0.0019	U	0.0018	U	0.0018	U	0.0023	U	0.0019	U	0.0018	U	0.002	U	0.0018	U	0.0019	
Dieldrin	50 mg/Kg	0.0036	U	0.0036	U	0.0035	U	0.0044	U	0.0038	U	0.0036	U	0.0038	U	0.0036	U	0.0036	

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

Comments: *

TODAYS DATE 1/12/2012	Sample Point	AD-34 18-24"		AD-37 0-6"		AD-37 18-24"		CD-AD37-1-SW		CD-AD39-1-SW		CD-AD39-1-FL		CD-AD40-1-SW		CD-AD-4041-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	WC		WC		WC		FV		FV		FV		FV		FV	
	Lab ID	MB00A0		MB00A1		MB00A2		J0062-01		J1084-01		J1089-06		J1084-02		J1089-07	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	MB0091		MB0091		MB0091		J0062		J1084		J1089		J1084		J1089	
	Date Sampled	7/22/2009		7/22/2009		7/22/2009		01/14/2010		05/24/2010		05/25/2010		05/24/2010		05/25/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	U	0.0051	U	0.0058	U	0.005	U	0.37	U	0.36	U	0.29	U	0.3	U	0.28
Benzo(b)fluoranthene	50 mg/Kg	U	0.18	U	0.19	U	0.18	U	3.4	U	3.9	U	3.9	U	3.8	U	3.6
Fluoranthene	100 mg/Kg	U	0.18	U	0.053	J	0.18	U	3.4	U	3.9	U	3.9	U	3.8	U	3.6
Total PCB's* ROD Criteria	500 mg/Kg		0.0064		0.15		0.022		U		7.7		U		2.9		2.67
4,4'-DDE	50 mg/Kg	U	0.0035	U	0.0036	U	0.0035	U	0.11	U	0.20		0.11	U	0.061		0.11
Aldrin	50 mg/Kg	U	0.0018	U	0.0019	U	0.0018	U	0.055	U	0.06	U	0.057	U	0.059	U	0.055
Dieldrin	50 mg/Kg	U	0.0035	U	0.0036	U	0.0035	U	0.11	U	0.17		0.11	U	0.11	U	0.11

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-AD41-1-SW		CD-AD42-1-SW		CD-AD43-1-SW		CD-AD4243-1-FL		CD-AD43-1-EW	
	Validated/Preliminary	V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV	
	Lab ID	J1084-03		J1084-04		J1084-05		J1089-08		J1379-05	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J1084		J1084		J1084		J1089		J1379	
	Date Sampled	05/24/2010		05/24/2010		05/24/2010		05/25/2010		07/08/2010	
Constituent	**Unit**										
Trichloroethene	1 mg/Kg	U	0.31	U	0.27	U	0.27	U	0.31	U	0.31	U
Benzo(b)fluoranthene	50 mg/Kg	U	4	U	3.7	U	3.8	U	3.7	U	1.5	J
Fluoranthene	100 mg/Kg	U	4	U	3.7	U	3.8	U	3.7	U	2.0	J
Total PCB's* ROD Criteria	500 mg/Kg		U		U		32		U		34	
4,4'-DDE	50 mg/Kg	U	0.12	U	0.11	U	0.67		0.1	U	0.26	P
Aldrin	50 mg/Kg	U	0.062	U	0.057	U	0.058	U	0.053	U	0.052	U
Dieldrin	50 mg/Kg	U	0.12	U	0.11	U	0.54		0.1	U	0.10	P

Legend:

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J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	AF-22 0-6"		AF-25 0-6"		AF-25 18-24"		AF-28 0-6"		AF-28 18-24"		AF-31 0-6"		AF-31 18-24"		AF-34 0-6"		AF-34 18-24"	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	WC		WC		WC		WC		WC		WC		WC		WC		WC	
	Lab ID	MB0083		MB0084		MB0085		MB0086		MB0087		MB0088		MB0089		MB00A3		MB00A4	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	MB0076		MB0076		MB0076		MB0076		MB0076		MB0076		MB0076		MB0091		MB0091	
	Date Sampled	7/21/2009		7/21/2009		7/21/2009		7/21/2009		7/21/2009		7/21/2009		7/21/2009		7/22/2009		7/22/2009	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.0047	U	0.0069	U	0.0057	U	0.0068	U	0.0041	U	0.0061	U	0.0056	U	0.0053	U	0.0056	U
Benzo(b)fluoranthene	50 mg/Kg	0.18	U	0.19	J	0.19	U	1.2		0.34		0.2	U	0.19	U	0.2	U	0.18	U
Fluoranthene	100 mg/Kg	0.18	U	0.29		0.19	U	2.3		0.7		0.13	J	0.19	U	0.063	J	0.18	U
Total PCB's* ROD Criteria	500 mg/Kg	0.39		0.52		0.044		0.36		0.15		0.26		0.037		0.25		0.011	
4,4'-DDE	50 mg/Kg	0.0036	U	0.0041	U	0.0037	U	0.0037	U	0.0034	U	0.0038	U	0.0037	U	0.0038	U	0.0035	U
Aldrin	50 mg/Kg	0.0018	U	0.0021	U	0.0019	U	0.0019	U	0.0018	U	0.002	U	0.0019	U	0.002	U	0.0018	U
Dieldrin	50 mg/Kg	0.0036	U	0.0041	U	0.0037	U	0.0037	U	0.0034	U	0.0038	U	0.0037	U	0.0038	U	0.0035	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

Comments: *Refusal at ~1 foot BG in sample AF-22-0-6"

TODAYS DATE 1/12/2012	Sample Point	AF-37 0-6"		AF-37 18-24"		CD-AF23-2-FL		CD-AF23-1-SW		CD-AF24-2-FL		CD-AF24-1-SW		CD-AF25-2-FL		CD-AF25-1-SW	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	WC		WC		FV		FV		FV		FV		FV		FV	
	Lab ID	MB00A5				J1773-01		J1707-05		J1773-02		J1707-07		J1773-03		J1707-09	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	MB0091		MB0091		J1773		J1707		J1773		J1707		J1773		J1707	
	Date Sampled	7/22/2009		7/22/2009		09/14/2010		09/01/2010		09/14/2010		09/01/2010		09/14/2010		09/01/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.0055	U	0.0046	U	0.29	U	0.37	U	0.29	U	0.32	U	0.28	U	0.31	U
Benzo(b)fluoranthene	50 mg/Kg	0.2	U	0.18	U	0.39	U	1.6	J	0.38	U	3.6	U	0.37	U	3.5	U
Fluoranthene	100 mg/Kg	0.2	U	0.18	U	0.39	U	1.9	J	0.38	U	0.57	J	0.37	U	0.57	J
Total PCB's* ROD Criteria	500 mg/Kg	0.059		0.0073		0.10		1.8		U		2.04		U		U	
4,4'-DDE	50 mg/Kg	0.0038	U	0.0035	U	0.0039	U	0.1	U	0.0037	U	0.11	U	0.0037	U	0.11	U
Aldrin	50 mg/Kg	0.002	U	0.0018	U	0.002	U	0.053	U	0.0019	U	0.056	U	0.0019	U	0.054	U
Dieldrin	50 mg/Kg	0.0038	U	0.0035	U	0.0039	U	0.1	U	0.0037	U	0.11	U	0.0037	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-AF25-1-SW		CD-AF26-2-FL		CD-AF26-1-SW		CD-AF27-2-FL		CD-AF27-1-SW		CD-AF28-2-FL		CD-AF28-1-SW		CD-AF29-2-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J1756-01		J1773-04		J1707-11		J1773-05		J1707-13		J1773-06		J1713-02		J1773-07	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J1756		J1773		J1707		J1773		J1707		J1773		J1713		J1773	
	Date Sampled	09/01/2010		09/14/2010		09/01/2010		09/14/2010		09/01/2010		09/14/2010		09/02/2010		09/14/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg			0.27	U	0.29	U	0.29	U	0.29	U	0.28	U	0.33	U	0.26	U
Benzo(b)fluoranthene	50 mg/Kg	0.31	J	0.38	U	0.86	J	0.39	U	0.91	J	0.38	U	3.6	U	0.38	U
Fluoranthene	100 mg/Kg	0.39		0.38	U	1.2	J	0.39	U	1.3	J	0.38	U	0.42	J	0.38	U
Total PCB's* ROD Criteria	500 mg/Kg	0.92		U		1.4		U		U		U		0.53		U	
4,4'-DDE	50 mg/Kg	0.014		0.0037	U	0.11	U	0.0039	U	0.1	U	0.0038	U	0.1	U	0.0037	U
Aldrin	50 mg/Kg	0.0018	U	0.0019	U	0.054	U	0.002	U	0.052	U	0.002	U	0.053	U	0.0019	U
Dieldrin	50 mg/Kg	0.0053	P	0.0037	U	0.11	U	0.0039	U	0.1	U	0.0038	U	0.1	U	0.0037	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-AF29-1-SW		CD-AF29-1-SW		CD-AF30-2-FL		CD-AF30-1-SW		CD-AF30-1-SW		CD-AF31-2-FL		CD-AF31-1-SW		CD-AF31-1-SW	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J1713-04		J1756-02		J1773-08		J1713-06		J1756-03		J1773-09		J1713-08		J1756-04	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J1713		J1756		J1773		J1713		J1756		J1773		J1713		J1756	
	Date Sampled	09/02/2010		09/02/2010		09/14/2010		09/02/2010		09/02/2010		09/14/2010		09/02/2010		09/02/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.31	U			0.27	U	0.31	U			0.25	U	0.32	U		
Benzo(b)fluoranthene	50 mg/Kg	3.4	U	0.092	J	0.4	U	3.5	U	0.15	J	0.35	U	3.4	U	0.61	
Fluoranthene	100 mg/Kg	0.40	J	0.12	J	0.4	U	3.5	U	0.22	J	0.35	U	0.49	J	1.5	
Total PCB's* ROD Criteria	500 mg/Kg	U		0.4		U		U		0.34		U		U		0.61	
4,4'-DDE	50 mg/Kg	0.099	U	0.0045		0.0039	U	0.1	U	0.0041		0.0034	U	0.099	U	0.0095	P
Aldrin	50 mg/Kg	0.052	U	0.0017	U	0.002	U	0.052	U	0.0018	U	0.0018	U	0.051	U	0.0018	U
Dieldrin	50 mg/Kg	0.099	U	0.0033	U	0.0039	U	0.1	U	0.0036	P	0.0034	U	0.099	U	0.0035	U

Legend:

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J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-AF32-2-FL		CD-AF32-1-SW		CD-AF33-2-FL		CD-AF33-1-SW		CD-AF33-1-SW		CD-AF34-1-FL		CD-AF34-1-SW		CD-AF35-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J1773-10		J1713-10		J1773-11		J1713-12		J1756-05		J1773-12		J1783-01		J1773-13	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J1773		J1713		J1773		J1713		J1756		J1773		J1783		J1773	
	Date Sampled	09/14/2010		09/02/2010		09/14/2010		09/02/2010		09/02/2010		09/14/2010		09/15/2010		09/14/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.27	U	0.4	U	0.27	U	0.32	U			0.31	U	0.29	U	0.31	U
Benzo(b)fluoranthene	50 mg/Kg	0.35	U	2.5	J	0.36	U	3.4	U	0.046	J	0.36	U	0.35	U	0.37	U
Fluoranthene	100 mg/Kg	0.35	U	4.6		0.36	U	3.4	U	0.067	J	0.36	U	0.35	U	0.37	U
Total PCB's* ROD Criteria	500 mg/Kg	U		U		U		U		0.11		U		0.041		U	
4,4'-DDE	50 mg/Kg	0.0035	U	0.1	U	0.0035	U	0.097	U	0.0039		0.0036	U	0.0035	U	0.0037	U
Aldrin	50 mg/Kg	0.0018	U	0.054	U	0.0018	U	0.049	U	0.0018	U	0.0018	U	0.0018	U	0.0019	U
Dieldrin	50 mg/Kg	0.0035	U	0.1	U	0.0035	U	0.097	U	0.0035	U	0.0036	U	0.0035	U	0.0037	U

Legend:

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

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TODAYS DATE 1/12/2012	Sample Point	CD-AF35-1-SW		CD-AF36-1-FL		CD-AF36-1-SW		CD-AF37-1-FL		CD-AF37-1-SW		CD-AF38-1-FL		CD-AF38-1-SW		CD-AF-38-1-EW	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J1783-02		J1773-14		J1783-03		J1773-15		J1783-04		J1773-16		J1783-05		J1796-01	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J1783		J1773		J1783		J1773		J1783		J1773		J1783		J1796	
	Date Sampled	09/15/2010		09/14/2010		09/15/2010		09/14/2010		09/15/2010		09/14/2010		09/15/2010		09/16/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.27	U	0.3	U	0.3	U	0.26	U	0.27	U	0.25	U	0.26	U	0.29	U
Benzo(b)fluoranthene	50 mg/Kg	0.044	J	0.38	U	0.37	U	0.36	U	0.35	U	0.35	U	0.34	U	0.35	U
Fluoranthene	100 mg/Kg	0.052	J	0.38	U	0.040	J	0.36	U	0.062	J	0.35	U	0.34	U	0.35	U
Total PCB's* ROD Criteria	500 mg/Kg	0.052		U		0.046		U		0.045		U		U		0.099	
4,4'-DDE	50 mg/Kg	0.0035	U	0.0037	U	0.0036	U	0.0036	U	0.0034	U	0.0034	U	0.0034	U	0.0034	U
Aldrin	50 mg/Kg	0.0018	U	0.0019	U	0.0019	U	0.0019	U	0.0018	U	0.0018	U	0.0017	U	0.0018	U
Dieldrin	50 mg/Kg	0.0035	U	0.0037	U	0.0036	U	0.0036	U	0.0034	U	0.0034	U	0.0034	U	0.0034	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-AG21-0-6"		CD-AG22-0-6"		CD-AG23-0-6"		CD-AG24-0-6"		CD-AG25-0-6"		CD-AG26-0-6"		CD-AG27-0-6"		CD-AG28-0-6"	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		WC		WC		WC		WC		WC		WC	
	Lab ID	H2026-04		H2026-05		J1374-01		J1374-02		J1374-03		J1374-04		J1374-05		J1374-06	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	H2026		H2026		J1374		J1374		J1374		J1374		J1374		J1374	
	Date Sampled	10/14/2009		10/14/2009		07/07/2010		07/07/2010		07/07/2010		07/07/2010		07/15/2010		07/07/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.0045	U	0.0052	U	0.47	U	0.37	U	0.33	U	0.35	U	0.47	U	0.64	U
Benzo(b)fluoranthene	50 mg/Kg	2.7		0.44		0.68	J	3.5	U	0.69	J	1.0	J	4	U	4	U
Fluoranthene	100 mg/Kg	2.3		0.42		1.0	J	0.71	J	1.2	J	2.2	J	4	U	0.53	J
Total PCB's* ROD Criteria	500 mg/Kg	1.5		0.36		U		U		U		U		U		U	
4,4'-DDE	50 mg/Kg	0.036	U	0.018	U	0.11	U	0.099	U	0.1	U	0.098	U	0.11	U	0.12	U
Aldrin	50 mg/Kg	0.018	U	0.0094	U	0.058	U	0.051	U	0.053	U	0.051	U	0.056	U	0.06	U
Dieldrin	50 mg/Kg	0.071		0.018	U	0.11	U	0.099	U	0.1	U	0.098	U	0.11	U	0.12	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

Comments: *Refusal at ~1 foot BG in both samples, AG-21-0-6" and AG-22-0-6"

TODAYS DATE 1/12/2012	Sample Point	CD-AG29-0-6"`		CD-AG30-0-6"		CD-AG31-0-6"		CD-AG32-0-6"		CD-AG33-0-6"		CD-AG34-0-6"		CD-AG35-0-6"		CD-AG36-0-6"	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	WC		WC		WC		WC		WC		WC		WC		WC	
	Lab ID	J1374-07		J1374-08		J1374-09		J1374-10		J1374-11		J1374-12		J1374-13		J1374-14	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J1374		J1374		J1374		J1374		J1374		J1374		J1374		J1374	
	Date Sampled	07/07/2010		07/07/2010		07/07/2010		07/07/2010		07/07/2010		07/07/2010		07/07/2010		07/07/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.53	U	0.34	U	0.33	U	0.37	U	0.47	U	0.58	U	0.39	U	0.3	U
Benzo(b)fluoranthene	50 mg/Kg	0.70	J	3.4	U	3.6		3.5	U	3.6	U	4.6	U	0.59	J	0.94	J
Fluoranthene	100 mg/Kg	0.87	J	0.58	J	5.1		0.65	J	0.44	J	4.6	U	0.68	J	1.7	J
Total PCB's* ROD Criteria	500 mg/Kg	U		U		U		U		U		U		U		U	
4,4'-DDE	50 mg/Kg	0.13	U	0.099	U	0.095	U	0.099	U	0.11	U	0.14	U	0.096	U	0.1	U
Aldrin	50 mg/Kg	0.066	U	0.051	U	0.049	U	0.051	U	0.055	U	0.07	U	0.05	U	0.052	U
Dieldrin	50 mg/Kg	0.13	U	0.099	U	0.095	U	0.099	U	0.11	U	0.14	U	0.096	U	0.1	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-AG37-0-6"		CD-AG38-0-6"	
		Validated/Preliminary	V		V	
		Final Ver/Waste Char	WC		WC	
		Lab ID	J1374-15		J1374-16	
		MEDIUM	SOIL		SOIL	
		Lab Group	J1374		J1374	
		Date Sampled	07/07/2010		07/07/2010	
Constituent	**Unit**					
Trichloroethene	1 mg/Kg		0.23	U	0.28	U
Benzo(b)fluoranthene	50 mg/Kg		0.53	J	3.4	U
Fluoranthene	100 mg/Kg		1.1	J	0.69	J
Total PCB's* ROD Criteria	500 mg/Kg		U		U	
4,4'-DDE	50 mg/Kg		0.1	U	0.099	U
Aldrin	50 mg/Kg		0.052	U	0.051	U
Dieldrin	50 mg/Kg		0.1	U	0.099	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	bb-01 0-6		bb-02 0-6		bb-03 0-6		bb-04 0-6		bb-05 0-6		bb-06 0-6		bb-07 0-6		bb-08 0-6	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	WC		WC		WC		WC		WC		WC		WC		WC	
	Lab ID	MB0007		MB0008		MB0009		MB0010		MB0018		MB0019		MB0020		MB0021	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	MB0001		MB0001		MB0001		MB0001		MB0001		MB0001		MB0001		MB0001	
	Date Sampled	04/07/2009		04/07/2009		04/07/2009		04/07/2009		04/08/2009		04/08/2009		04/08/2009		04/08/2009	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.007	U	0.0063	U	0.0071	U	0.0084	U	0.0076	U	0.0081	U	0.014	J	0.0058	J
Benzo(b)fluoranthene	50 mg/Kg	13		4.6		9.9		8.7		10		5.3		3.1		2.7	
Fluoranthene	100 mg/Kg	17		4.8		7.9		6.3		11		4.8		2.7		2.9	
Total PCB's* ROD Criteria	500 mg/Kg	29		23						97		28		3.8			
4,4'-DDE	50 mg/Kg	1.4		1		0.16		0.02	R	5.2		2.2		0.34		0.14	
Aldrin	50 mg/Kg	0.02	U	0.02	U	0.0021	UJ	0.0021	UJ	0.23	U	0.024	UJ	0.021	UJ	0.002	UJ
Dieldrin	50 mg/Kg	0.038	U	0.039	U	0.0041	UJ	0.0041	UJ	0.44	U	0.046	UJ	0.04	UJ	0.004	UJ

Legend:

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J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

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E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

		Sample Point	CD-B4-1-FL		CD-B5-1-FL		CD-B5-1-NW		CD-B5-1-EW		CD-B5-1-SW		CD-B5-1-WW		CD-B6-1-FL		CD-B7-1-FL		CD-B8-1-FL		CD-B9-2-FL	
		Sample Label																				
TODAYS DATE		**Validated/Preliminary**	V		V		V		V		V		V		V		V		V		V	
1/12/2012		**Final Ver/Waste Char**	FV		FV		FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	K1929-06		K1381-01		K1381-02		K1381-03		K1381-04		K1381-05		K1501-06		K1501-07		K1501-08		K1961-04	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	K1929		K1381		K1381		K1381		K1381		K1381		K1501		K1501		K1501		K1961	
		Date Sampled	10/05/2011		08/03/2011		08/03/2011		08/03/2011		08/03/2011		08/03/2011		08/17/2011		08/17/2011		08/17/2011		10/10/2011	
Constituent	**Unit**																					
Trichloroethene	1	mg/Kg	0.25	U	0.36	U	0.28	U	0.31	U	0.28	U	0.32	U	0.35	U	0.26		0.27	U	0.29	U
Benzo(b)fluoranthene	50	mg/Kg	1.6	U	3.4	U	3.7	U	3.6	U	3.5	U	3.3	U	1.8	U	1.8	U	1.8	U	1.8	U
Fluoranthene	100	mg/Kg	1.6	U	3.4	U	3.7	U	3.6	U	0.36	J	3.3	U	1.8	U	1.8	U	1.8	U	1.8	U
Total PCB's* ROD Criteria	500	mg/Kg	47		U		4.5		3.9		1.4		13		40		230		11		290	
4,4'-DDE	50	mg/Kg	1.3		0.11	U	0.13		0.11		0.098	U	0.41		1.2		6.0		0.29		7.9	
Aldrin	50	mg/Kg	0.39	U	0.055	U	0.054	U	0.057	U	0.05	U	0.05	U	0.056	U	1.5	U	0.056	U	2.3	U
Dieldrin	50	mg/Kg	0.76	U	0.11	U	0.11	U	0.11	U	0.098	U	0.098	U	0.11	U	4.2		0.11	U	7.1	P

Legend:

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

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	Sample Point	CD-B9-1-EW		CD-B9-1-SW		CD-B9-1-WW		B-11		B-14 SW		B-14 F		B-15 FL		B-16 SW		B-16 SWN	
	Sample Label							CD-B11-1-TP		CD-B14-1-WW		CD-B14-1-FL		CD-B15-1-FL		CD-B16-1-NW		CD-B16-1-TPNW	
TODAYS DATE	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
1/12/2012	Final Ver/Waste Char	FV		FV		FV		WC		FV		FV		FV		FV		FV	
	Lab ID	K1395-03		K1395-04		K1395-05		MB0045		MB0046		MB0053				MB0054			
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	K1395		K1395		K1395		MB0036		MB0046		MB0046		H1369		MB0046		H1369	
	Date Sampled	08/04/2011		08/04/2011		08/04/2011		05/21/2009		6/8/2009		6/10/2009		7/23/2009		6/10/2009		7/23/2009	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.3	U	0.39	U	0.29	U	0.00028	J	0.0046	U			0.0051	U	0.0049	U	0.0048	
Benzo(b)fluoranthene	50 mg/Kg	3.7	U	3.6	U	3.9	U	0.0099	J	0.071	J	0.013	J	0.4	U	0.084	J	0.38	
Fluoranthene	100 mg/Kg	3.7	U	3.6	U	3.9	U	0.013	J	0.058	J	0.0099	J	0.4	U	0.033	J	0.38	
Total PCB's* ROD Criteria	500 mg/Kg	31		470		5.4		1.6		6.1		0.25		0.96		31		23	
4,4'-DDE	50 mg/Kg	1.0		18		0.17		0.082		0.16		0.0099		0.02	U	0.0038	U	0.41	
Aldrin	50 mg/Kg	0.29	U	3.5	U	0.048	U	0.0018	U	0.002	U	0.0021	U	0.01	U	0.002	U	0.0099	
Dieldrin	50 mg/Kg	0.82	P	12	P	0.093	U	0.057	R	0.096	R	0.0078	R	0.02	U	0.5	R	0.56	

Legend:

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	B-16 SWE		B-16 SWW		B-16 SWS		B-16 F		B-17 SW		CD-B19-0-6"RR		CD-B20-0-6"RR		CD-B21-0-6"RR	
	Sample Label	CD-B16-1-TPEW		CD-B16-1-TPWW		CD-B16-1-TPSW		CD-B16-1-FL		CD-B17-1-NW							
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID							MB0063		MB0055		K1705-01		K1705-02		K1705-03	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	H1369		H1369		H1369		MB0046		MB0046		K1705		K1705		K1705	
	Date Sampled	7/23/2009		7/23/2009		7/23/2009		6/15/2009		6/10/2009		09/13/2011		09/13/2011		09/13/2011	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	U	0.0045	U	0.0048	U	0.0048	U	0.0045	U	0.0051	U	0.58	U	0.4	U	0.54
Benzo(b)fluoranthene	50 mg/Kg	U	0.14	J	0.16	J	0.39	U	0.081	J	0.27		1.2	J	3.0		1.2
Fluoranthene	100 mg/Kg	U	0.38	U	0.39	U	0.39	U	0.15	J	0.77		0.85	J	3.1		1.1
Total PCB's* ROD Criteria	500 mg/Kg		55		23		190		3.6		3.8		17		120		6.7
4,4'-DDE	50 mg/Kg	P	1.2	U	0.4	P	4	U	0.1	E	0.21		0.16	P	1.1	P	0.11
Aldrin	50 mg/Kg	U	0.6	U	0.098	U	2	U	0.002	U	0.02	U	0.061	U	0.061	U	0.056
Dieldrin	50 mg/Kg	P	1.3	P	0.54	P	4.1	P	0.079	P	0.21	R	0.12	U	0.12	U	0.11

Legend:

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point Sample Label Validated/Preliminary Final Ver/Waste Char Lab ID MEDIUM Lab Group Date Sampled	
Constituent		**Unit**	
Trichloroethene	1	mg/Kg	U
Benzo(b)fluoranthene	50	mg/Kg	J
Fluoranthene	100	mg/Kg	J
Total PCB's* ROD Criteria	500	mg/Kg	
4,4'-DDE	50	mg/Kg	U
Aldrin	50	mg/Kg	U
Dieldrin	50	mg/Kg	U

Legend:
U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).
J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).
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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.
JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.
E- The value is above quantitation range.
B-Analyte detected in method blank.
A failed sample is denoted by a border surrounding the value and bolded text

	Sample Point	CD-BC-3-1-FL		CD-C4-1-FL		CD-C5-1-FL		CD-C7-1-FL		CD-C89-1-FL		C-14 SW		C-15		C-15 SW		C-15 F	
	Sample Label											CD-C14-1-WW		CD-C15-1-TP		CD-C15-1-WW		CD-C15-1-FL	
TODAYS DATE	**Validated/Preliminary**	V		V		V		V		V		V		V		V		V	
1/12/2012	**Final Ver/Waste Char**	FV		FV		FV		FV		FV		FV		WC		FV		FV	
	Lab ID	K1929-01		K1929-02		K1929-03		K1929-05		K1947-01		MB0047		MB0044		MB0048		MB0064	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	K1929		K1929		K1929		K1929		K1947		MB0046		MB0036		MB0046		MB0046	
	Date Sampled	10/05/2011		10/05/2011		10/05/2011		10/05/2011		10/06/2011		6/8/2009		5/21/2009		6/8/2009		6/15/2009	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.31	U	0.26	U	0.31	U	0.31	U	0.29	U	0.0047	U	0.0054	U	0.0056	U	0.0051	
Benzo(b)fluoranthene	50 mg/Kg	1.9	U	0.35	J	0.52	J	1.7	U	1.8	U	0.21		0.22	J	1	J	0.21	
Fluoranthene	100 mg/Kg	1.9	U	0.52	J	0.80	J	1.7	U	1.8	U	0.1	J	0.25	J	0.8	J	0.11	
Total PCB's* ROD Criteria	500 mg/Kg	2.5		6.8		69		50		250		1.1		0.39		130		6.7	
4,4'-DDE	50 mg/Kg	0.11	U	0.19		2.0		1.3		5.7	E	0.038		0.36	J	4.8		0.081	
Aldrin	50 mg/Kg	0.058	U	0.052	U	0.55	U	0.37	U	0.42	P	0.002	U	0.021	U	0.19	U	0.002	
Dieldrin	50 mg/Kg	0.11	U	0.14	P	1.6	P	1.0	P	1.5	P	0.028	R	0.24	R	3.5	R	0.1	

Legend:

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	C-16 SW		C-16 SW N		C-16 SW W		C-16 SW E		C-16 SW S		C-17 SW		C-18 FL 2	
	Sample Label	CD-C16-1-EW		CD-B16-1-TPNW		CD-C16-1-TPWW		CD-C16-1-TPEW		CD-C16-1-TPSW		CD-C17-1-SW		CD-C18-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
	Lab ID	MB0056										MB0057			
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	MB0046		H1369		H1369		H1369		H1369		MB0046		H1322	
	Date Sampled	6/10/2009		7/23/2009		7/23/2009		7/23/2009		7/23/2009		6/10/2009		07/20/2009	
Constituent	**Unit**														
Trichloroethene	1 mg/Kg	U	0.0062	U	0.0048	U	0.0046	U	0.0047	U	0.0046	U	0.00076	J	0.0049	U
Benzo(b)fluoranthene	50 mg/Kg		0.032	J	0.18	J	0.21	J	0.12	J	0.23	J	36		0.35	U
Fluoranthene	100 mg/Kg	J	0.036	J	0.11	J	0.4	U	0.39	U	0.1	J	57		0.35	U
Total PCB's* ROD Criteria	500 mg/Kg		0.06		6.9		17		7.2		9.8		30		75	
4,4'-DDE	50 mg/Kg	EP	0.0024	J	0.077	U	0.26	P	0.12	U	0.16	U	0.96		0.7	U
Aldrin	50 mg/Kg	U	0.0022	U	0.04	U	0.12	U	0.06	U	0.081	U	0.02	U	0.36	U
Dieldrin	50 mg/Kg	EP	0.002	U	0.1	P	0.35	P	0.16	P	0.22	P	0.67	R	0.73	P

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

		Sample Point	CD-C18-4-NW		CD-C18-5-NW		C-1819 SWE		C-19 Wood		CD-C22-0-6"RR		CD-C23-0-6"RR	
		Sample Label					CD-C18-1-EW		CD-C19-1-FL					
TODAYS DATE		**Validated/Preliminary**	V		V		V		V		V		V	
1/12/2012		**Final Ver/Waste Char**	FV		FV		FV		WC		FV		FV	
		Lab ID			H1674-01				MB0036		K1705-04		K1705-05	
		MEDIUM	SOIL		SOIL		SOIL		Wood Floor		SOIL		SOIL	
		Lab Group	H1475		H1674		H1322		MB0036		K1705		K1705	
		Date Sampled	08/05/2009		08/27/2009		7/20/2009		05/20/2009		09/13/2011		09/13/2011	
Constituent	**Unit**													
Trichloroethene	1	mg/Kg	0.0095	U	0.0056	U	0.0048	U	0.0024	J	0.49	U	0.54	U
Benzo(b)fluoranthene	50	mg/Kg	4.5	U	0.4	U	0.34	U	0.27	J	8.5		21	
Fluoranthene	100	mg/Kg	4.5	U	0.4	U	0.34	U	0.21	J	8.7		19	
Total PCB's* ROD Criteria	500	mg/Kg	190		1.1		150		120		10		470	
4,4'-DDE	50	mg/Kg	5.6	U	0.04	U	1.8	P	5.8		0.11	U	5.1	P
Aldrin	50	mg/Kg	2.9	U	0.02	U	0.88	U	0.18	U	0.057	U	1.8	U
Dieldrin	50	mg/Kg	5.6	U	0.04	U	3.3	P	4.2	R	0.11	U	3.5	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	C-18 SWN 0-4		C-18 SWN 4-8		C-18 SWE 0-4		C-18 SW E 4-8		C-18 SWS 0-4	
		Sample Label	CD-C18-1-TPNW 0-4		CD-C18-1-TPNW 4-8		CD-C18-1-TPEW 0-4		CD-C18-1-TPEW 4-8		CD-C18-1-TPSW 0-4	
		Validated/Preliminary	V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group					H1322		H1322		H1322	
		Date Sampled	7/23/2009		7/23/2009		7/23/2009		7/23/2009		7/23/2009	
Constituent	**Unit**											
Trichloroethene	1 mg/Kg						0.0057	U	0.0048	U	0.0045	U
Benzo(b)fluoranthene	50 mg/Kg		0.35	U	0.39	U	0.32	J	0.34	U	0.35	U
Fluoranthene	100 mg/Kg		0.35	U	0.39	U	0.2	J	0.34	U	0.35	U
Total PCB's* ROD Criteria	500 mg/Kg		3.9		3.4		96		66		5.5	
4,4'-DDE	50 mg/Kg		0.041	P	0.038	U	1.9	P	0.97	P	0.055	P
Aldrin	50 mg/Kg		0.018	U	0.02	U	0.93	U	0.44	U	0.018	U
Dieldrin	50 mg/Kg		0.061	P	0.063	P	2.7	P	1.4	P	0.078	P

Legend:

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

Comments: *Test pit was dug per USACE/EPA instruction after sample CD-18 (taken at 6' BG) had a PCB concentration of 1600 ppm.

TODAYS DATE 1/12/2012		Sample Point	C-18 SWS 4-8		C-18 SWW 0-4		CD-C18-2-WW4-8TP-FV		C-18 FL 0-4	
		Sample Label	CD-C18-1-TPSW 4-8		CD-C18-1-TPWW 0-4				CD-C18-1-TPFL 0-4	
		Validated/Preliminary	V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV	
		MEDIUM	SOIL		SOIL		SOIL		SOIL	
		Lab Group	H1322		H1322		H1417		H1322	
		Date Sampled	7/23/2009		7/23/2009		07/29/2009		7/23/2009	
Constituent	**Unit**									
Trichloroethene	1 mg/Kg		0.0054	U	0.0046	U	0.0046	U	0.0044	U
Benzo(b)fluoranthene	50 mg/Kg		0.37	U	5.3		0.38	U	0.17	J
Fluoranthene	100 mg/Kg		0.1	J	7.4	E	0.17	J	0.13	J
Total PCB's* ROD Criteria	500 mg/Kg		56		57		7.6		45	
4,4'-DDE	50 mg/Kg		0.92	U	0.81	P	0.07	P	0.72	P
Aldrin	50 mg/Kg		0.47	U	0.36	U	0.02	U	0.36	U
Dieldrin	50 mg/Kg		1.6	P	1.2	P	0.088	P	1.2	P

Legend:

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-D456-1-FL		D-15 SW		D-1516 F		D-16 SW	
		Validated/Preliminary	V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV	
		Lab ID	K1929-07		MB0049		MB0065		MB0059	
		MEDIUM	SOIL		SOIL		SOIL		SOIL	
		Lab Group	K1929		MB0046		MB0046		MB0046	
		Date Sampled	10/05/2011		6/8/2009		6/15/2009		6/10/2009	
Constituent	**Unit**									
Trichloroethene	1 mg/Kg		0.29	U	0.0046	U	0.0011	J	0.0049	U
Benzo(b)fluoranthene	50 mg/Kg		0.96	J	0.24	J	0.16	J	0.27	J
Fluoranthene	100 mg/Kg		1.9		0.23	J	0.066	J	0.19	J
Total PCB's* ROD Criteria	500 mg/Kg		38		260		57		46	
4,4'-DDE	50 mg/Kg		1.1		7.8		2.4	E	1.4	
Aldrin	50 mg/Kg		0.31	U	0.19	U	0.042	U	0.02	U
Dieldrin	50 mg/Kg		0.83	P	5.1	R	1.7	EP	0.88	R

Legend:

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

		Sample Point	E-14	
TODAYS DATE		**Validated/Preliminary**	V	
1/12/2012		**Final Ver/Waste Char**	WC	
		Lab ID	MB0038	
		MEDIUM	SOIL	
		Lab Group	MB0036	
		Date Sampled	05/20/2009	
Constituent	**Unit**			
Trichloroethene	1	mg/Kg	0.0047	U
Benzo(b)fluoranthene	50	mg/Kg	0.19	U
Fluoranthene	100	mg/Kg	0.19	U
Total PCB's* ROD Criteria	500	mg/Kg	1.6	
4,4'-DDE	50	mg/Kg	0.071	J
Aldrin	50	mg/Kg	0.0019	U
Dieldrin	50	mg/Kg	0.044	R

Legend:

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-H5-1-FL		CD-H2829-2-FL		CD-H28-1-WW	
		Validated/Preliminary	V		V		V	
		Final Ver/Waste Char	FV		FV		FV	
		Lab ID	J1539-01		K2024-04		K2135-11	
		MEDIUM	SOIL		SOIL		SOIL	
		Lab Group	J1539		K2024		K2135	
		Date Sampled	08/03/2010		10/14/2011		10/25/2011	
Constituent	**Unit**							
Trichloroethene	1 mg/Kg		0.25	U	0.31	U	0.16	J
Benzo(b)fluoranthene	50 mg/Kg		3.5	U	0.39	J	1.7	U
Fluoranthene	100 mg/Kg		3.5	U	0.45	J	1.7	U
Total PCB's* ROD Criteria	500 mg/Kg		U		25		16.2	
4,4'-DDE	50 mg/Kg		0.1	U	0.55		0.16	
Aldrin	50 mg/Kg		0.053	U	0.058	U	0.075	
Dieldrin	50 mg/Kg		0.1	U	0.16	P	0.1	U

Legend:

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J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-I5-1-NW		CD-I5-1-WW		CD-I56-1-FL		CD-I6-1-NW		CD-I6-1-EW		I-17		CD-I17-0'-1'		I-20 9-12"		CD-I20-0'-1'	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		WC		FV		WC		FV	
	Lab ID	J1334-01		J1334-02		J1314-01		J1334-03		J1334-04		MB0069		K0963-01		MB0066		K0963-02	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J1334		J1334		J1314		J1334		J1334		MB0069		K0963		MB0046		K0963	
	Date Sampled	06/28/2010		06/28/2010		06/24/2010		06/28/2010		06/28/2010		06/16/2009		06/02/2011		6/15/2009		06/02/2011	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.28	U	0.27	U	0.29	U	0.39	U	0.29	U	0.0059	U	0.18	BJ	0.0054	U	0.11	BJ
Benzo(b)fluoranthene	50 mg/Kg	3.4	U	3.3	U	3.8	U	3.4	U	3.3	U	0.014	J	3.5	U	0.18	U	3.1	U
Fluoranthene	100 mg/Kg	3.4	U	3.3	U	0.40	J	3.4	U	3.3	U	0.015	J	3.5	U	0.0092	J	0.74	J
Total PCB's* ROD Criteria	500 mg/Kg	U		0.74		U		0.70		U		0.092		0.72		0.23		U	
4,4'-DDE	50 mg/Kg	0.098	U	0.095	U	0.11	U	0.095	U	0.095	U	0.0035	J	0.1	U	0.0087		0.1	U
Aldrin	50 mg/Kg	0.051	U	0.049	U	0.057	U	0.049	U	0.049	U	0.000091	J	0.053	U	0.0018	U	0.052	U
Dieldrin	50 mg/Kg	0.098	U	0.095	U	0.11	U	0.095	U	0.095	U	0.004	P	0.1	U	0.007	P	0.1	U

Legend:

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	NWTS (I-25)		NETS (I-26)		CD-I28-1-WW	
	Validated/Preliminary	P		P		V	
	Final Ver/Waste Char	WC		WC		FV	
	Lab ID	MB00B0		MB00A9		K2135-10	
	MEDIUM	SOIL		SOIL		SOIL	
	Lab Group	MB0091		MB0091		K2135	
	Date Sampled	7/22/2009		7/22/2009		10/25/2011	
Constituent	**Unit**						
Trichloroethene	1 mg/Kg	0.0048	U	0.0045	U	0.15	J
Benzo(b)fluoranthene	50 mg/Kg	0.18	U	0.18	U	0.51	J
Fluoranthene	100 mg/Kg	0.18	U	0.18	U	0.56	J
Total PCB's* ROD Criteria	500 mg/Kg	0.042		0.085		6.0	
4,4'-DDE	50 mg/Kg	0.0035	U	0.0035	U	0.14	
Aldrin	50 mg/Kg	0.0018	U	0.0018	U	0.052	U
Dieldrin	50 mg/Kg	0.0035	U	0.0035	U	0.1	U

Legend:

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

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		Sample Point	CD-J5-1-WW		CD-J5-1-FL		CD-J6-1-FL		CD-J6-1-EW		CD-J12-0'-1'		CD-J13-1-EW		CD-J13-1-NW		CD-J13-1-SW		CD-J13-1-WW	
		Validated/Preliminary	V		V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	J1334-05		J1314-02		J1314-03		J1334-06		K0963-05		K1026-01		K1026-02		K1026-03		K1026-04	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J1334		J1314		J1314		J1334		K0963		K1026		K1026		K1026		K1026	
		Date Sampled	06/28/2010		06/24/2010		06/24/2010		06/28/2010		06/02/2011		06/15/2011		06/15/2011		06/15/2011		06/15/2011	
Constituent	**Unit**																			
Trichloroethene	1	mg/Kg	0.26	U	0.27	U	0.29	U	0.26	U	0.095	BJ	0.25	U	0.28	U	0.3	U	0.27	U
Benzo(b)fluoranthene	50	mg/Kg	9.0		3.7	U	3.5	U	1.7	J	3.5	U	3.6	U	3.5	U	3.3	U	3.4	U
Fluoranthene	100	mg/Kg	9.1		3.7	U	3.5	U	3.0	J	3.5	U	3.6	U	0.43	J	3.3	U	3.4	U
Total PCB's* ROD Criteria	500	mg/Kg	7.7		1.5		U		4.1		8.9		U		61		2.87		0.69	
4,4'-DDE	50	mg/Kg	0.097	U	0.11	U	0.1	U	0.10		0.1	U	0.1	U	1.1	U	0.1	U	0.099	U
Aldrin	50	mg/Kg	0.05	U	0.057	U	0.053	U	0.051	U	0.052	U	0.052	U	0.55	U	0.053	U	0.051	U
Dieldrin	50	mg/Kg	0.097	U	0.11	U	0.1	U	0.10		0.11	P	0.1	U	1.1	U	0.1	U	0.099	U

Legend:

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

	Sample Point	J-14a		J-14b		J-17		CD-J17-0'-1'		J-20 0-6"		CD-J20-0'-1'		SWTS (J-25)		SETS (J-26)		CD-JK27-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		P		P		V	
	Final Ver/Waste Char	WC		WC		WC		FV		WC		FV		WC		WC		FV	
	Lab ID	MB0070		MB0071		MB0072		K0963-03		MB0067		K0963-04		MB00B2		MB00B1		K2135-07	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	MB0069		MB0069		MB0069		K0963		MB0046		K0963		MB0091		MB0091		K2135	
	Date Sampled	06/16/2009		06/16/2009		06/16/2009		06/02/2011		6/15/2009		06/02/2011		7/22/2009		7/22/2009		10/25/2011	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.0058	U	0.0066	U	0.0064	U	0.12	BJ	0.00034	J	0.10	BJ	0.0077	U	0.0048	U	0.31	
Benzo(b)fluoranthene	50 mg/Kg	0.19	U	0.18	U	0.011	J	3.5	U	0.31		3.2	U	0.17	U	0.18	U	1.7	U
Fluoranthene	100 mg/Kg	0.19	U	0.0098	J	0.015	J	3.5	U	0.21		3.2	U	0.17	U	0.18	U	0.40	J
Total PCB's* ROD Criteria	500 mg/Kg	0.038		0.054		0.015		U		10		2.8		U		0.034		3.6	
4,4'-DDE	50 mg/Kg	0.00092	J	0.00063	JP	0.0004	J	0.099	U	0.38		0.094	U	0.0034	U	0.0035	U	0.1	U
Aldrin	50 mg/Kg	0.0019	U	0.0018	U	0.0019	U	0.051	U	0.019	U	0.048	U	0.0017	U	0.0018	U	0.053	U
Dieldrin	50 mg/Kg	0.0011	JP	0.0013	JP	0.00032	JP	0.099	U	0.26	P	0.094	U	0.0034	U	0.0035	U	0.1	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

		Sample Point	CD-J27-3-WW		CD-J29-2-FL		
		Validated/Preliminary	V		V		
		Final Ver/Waste Char	FV		FV		
		Lab ID	K2463-05		K2024-05		
		MEDIUM	SOIL		SOIL		
		Lab Group	K2463		K2024		
		Date Sampled	11/18/2011		10/14/2011		
Constituent	**Unit**						
Trichloroethene	1	mg/Kg	0.24	U	0.87		
Benzo(b)fluoranthene	50	mg/Kg	1.8	U	1.8	U	
Fluoranthene	100	mg/Kg	0.48	J	1.8	U	
Total PCB's* ROD Criteria	500	mg/Kg	U		3.7		
4,4'-DDE	50	mg/Kg	0.11	U	0.11		
Aldrin	50	mg/Kg	0.056	U	0.053	U	
Dieldrin	50	mg/Kg	0.11	U	0.1	U	

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

	Sample Point	CD-K3-1-NW		CD-K4-1-NW		CD-K5-1-FL		CD-K6-1-FL		CD-K12-0'-1'		CD-K13-0'-1'		K-14a		K-14b		CD-JK27-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		WC		WC		FV	
	Lab ID	J1410-04		J1410-05		J1314-04		J1314-05		K0963-07		K0963-08		MB0073		MB0074		K2135-07	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J1410		J1410		J1314		J1314		K0963		K0963		MB0069		MB0069		K2135	
	Date Sampled	07/14/2010		07/14/2010		06/24/2010		06/24/2010		06/02/2011		06/02/2011		06/16/2009		06/16/2009		10/25/2011	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.28	U	0.34	U	0.13	J	0.17	J	0.13	BJ	0.078	BJ	0.0064	U	0.006	U	0.31	
Benzo(b)fluoranthene	50 mg/Kg	3.7	U	0.64	J	5.8		3.5	U	1.5	J	1.2	J	0.12	J	0.34		1.7	
Fluoranthene	100 mg/Kg	3.7	U	1.4	J	11		3.5	U	1.7	J	1.1	J	0.088	J	0.44		0.40	
Total PCB's* ROD Criteria	500 mg/Kg	U		6.5		340		8.2		11.5		3.2		0.3		2.6		3.6	
4,4'-DDE	50 mg/Kg	0.11	U	0.11	U	6	U	0.11	U	0.12		0.1	U	0.012		0.018	P	0.1	
Aldrin	50 mg/Kg	0.055	U	0.056	U	3.1	U	0.055	U	0.053	U	0.053	U	0.0023	U	0.0018	U	0.053	
Dieldrin	50 mg/Kg	0.11	U	0.11	U	6	U	0.11	U	0.1	U	0.1	U	0.0071	P	0.055	P	0.1	

Legend:

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B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

Sample Point			CD-K27-1-WW		CD-K29-4-FL		CD-K29-3-NW		CD-K29-3-WW		CD-K29-2-SW		CD-K3031-3-FL		CD-K30-2-SW		CD-K31-2-SW	
Validated/Preliminary			V		V		V		V		V		V		V		V	
Final Ver/Waste Char			FV		FV		FV		FV		FV		FV		FV		FV	
Lab ID			K2135-08		K2476-01		K2582-01		K2582-02		K2476-04		K2288-08		K2476-05		K2476-06	
MEDIUM			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
Lab Group			K2135		K2476		K2582		K2582		K2476		K2288		K2476		K2476	
Date Sampled			10/25/2011		11/21/2011		12/07/2011		12/07/2011		11/21/2011		11/03/2011		11/21/2011		11/21/2011	
Constituent	**Unit**																	
Trichloroethene	1 mg/Kg		0.68		0.3	U	0.68		0.34	U	0.34	U	0.22	J	0.36	U	0.37	U
Benzo(b)fluoranthene	50 mg/Kg	U	0.44	J	1.8	U	2.1	U	2	U	1.9	U	2	U	2.1	U	2.1	U
Fluoranthene	100 mg/Kg	J	1.9	U	1.8	U	2.1	U	2	U	1.9	U	2	U	2.1	U	2.1	U
Total PCB's* ROD Criteria	500 mg/Kg		4.6		U		22.5		12.1		2.2		U		0.89		U	
4,4'-DDE	50 mg/Kg	U	0.12		0.11	U	0.19		0.12	U	0.11	U	0.12	U	0.12	U	0.12	U
Aldrin	50 mg/Kg	U	0.056	U	0.055	U	0.063	U	0.06	U	0.055	U	0.063	U	0.063	U	0.06	U
Dieldrin	50 mg/Kg	U	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.12	U	0.12	U	0.12	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-LK3-1-FL		CD-L3-1-SW		CD-L4-1-SW		CD-L5-1-FL		CD-L6-1-FL		CD-L6-1-EW		CD-L16-1-NW		CD-L17-1-NW		CD-L1819-1-FL	
		Validated/Preliminary	V		V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	J1410-01		J1410-02		J1410-03		J1314-06		J1314-07		J1334-07		J2182-01		J2182-02		J2160-03	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J1410		J1410		J1410		J1314		J1314		J1334		J2182		J2182		J2160	
		Date Sampled	07/14/2010		07/14/2010		07/14/2010		06/24/2010		06/24/2010		06/28/2010		10/28/2010		10/28/2010		10/27/2010	
Constituent	**Unit**																			
Trichloroethene	1	mg/Kg	0.3	U	0.27	U	0.61		0.24	U	0.26	U	0.23	U	0.27	U	0.29	U	0.59	
Benzo(b)fluoranthene	50	mg/Kg	3.8	U	3.4	U	2.6	J	3.5	U	3.4	U	3.3	U	3.7	U	0.66	J	4	
Fluoranthene	100	mg/Kg	0.78	J	3.4	U	3.5	J	3.5	U	3.4	U	3.3	U	3.7	U	0.52	J	4	
Total PCB's* ROD Criteria	500	mg/Kg	1.2		U		0.64		1.7		U		U		5.3		10.6		2.5	
4,4'-DDE	50	mg/Kg	0.12	U	0.13		0.11	U	0.1	U	0.099	U	0.092	U	0.12	U	0.24		0.12	
Aldrin	50	mg/Kg	0.062	U	0.056	U	0.057	U	0.053	U	0.051	U	0.047	U	0.06	U	0.055	U	0.06	
Dieldrin	50	mg/Kg	0.12	U	0.11	U	0.11	U	0.1	U	0.099	U	0.092	U	0.12	U	0.21	P	0.12	

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E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-L18-1-NW		CD-L19-1-NW		CD-L20-1-FL		CD-L20-1-NW		CD-L21-1-FL		CD-L21-1-NW		CD-L26-1-NW		CD-L27-1-WW		CD-LM34-2-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J2182-03		J2225-03		J2225-04		J2225-05		J2261-07		J2261-08		K0403-01		K2135-06		K2288-01	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J2182		J2225		J2225		J2225		J2261		J2261		K0403		K2135		K2288	
	Date Sampled	10/28/2010		11/01/2010		11/01/2010		11/01/2010		11/03/2010		11/03/2010		03/17/2011		10/25/2011		11/03/2011	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg		0.35	U	0.32	U	0.3	U	0.31	U	0.51		0.28	U	0.27	U	0.5	U	0.3
Benzo(b)fluoranthene	50 mg/Kg	U	4.1	U	3.9	U	3.7	U	3.8	U	4	U	3.5	U	3.6	U	1.7		1.9
Fluoranthene	100 mg/Kg	U	4.1	U	3.9	U	3.7	U	3.8	U	4	U	3.5	U	3.6	U	1.7		1.9
Total PCB's* ROD Criteria	500 mg/Kg		4.7		U		0.76		U		17.2		2.02		1.7		15		2.0
4,4'-DDE	50 mg/Kg	U	0.12	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.45		0.11
Aldrin	50 mg/Kg	U	0.059	U	0.061	U	0.058	U	0.056	U	0.059	U	0.055	U	0.055	U	0.055	U	0.056
Dieldrin	50 mg/Kg	U	0.12	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11

Legend:

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TODAYS DATE	**Sample Point**	CD-LM34-4-EW
1/12/2012	**Validated/Preliminary**	V
	Final Ver/Waste Char	FV
	Lab ID	K2624-01
	MEDIUM	SOIL
	Lab Group	K2624
	Date Sampled	12/13/2011

Constituent		**Unit**			
Trichloroethene	1	mg/Kg	U	6.4	
Benzo(b)fluoranthene	50	mg/Kg	U	0.79	J
Fluoranthene	100	mg/Kg	U	0.86	J
Total PCB's* ROD Criteria	500	mg/Kg		480	
4,4'-DDE	50	mg/Kg	U	13	
Aldrin	50	mg/Kg	U	2.8	U
Dieldrin	50	mg/Kg	U	10	P

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E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-M5-1-WW		CD-M5-1-SW		CD-M5-1-FL		CD-M6-1-FL		CD-M6-1-EW		CD-M6-1-SW		CD-M1617-1-FL		CD-M16-1-WW	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J1334-08		J1334-09		J1314-08		J1314-09		J1334-10		J1334-11		J2160-01		J2149-04	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J1334		J1334		J1314		J1314		J1334		J1334		J2160		J2149	
	Date Sampled	06/28/2010		06/28/2010		06/24/2010		06/24/2010		06/28/2010		06/28/2010		10/27/2010		10/26/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.26	U	0.36	U	0.26	U	0.26	U	0.24	U	0.26	U	0.28	U	0.29	U
Benzo(b)fluoranthene	50 mg/Kg	3.2	U	3.6	U	3.3	U	3.2	U	3.3	U	3.3	U	3.7	U	3.7	U
Fluoranthene	100 mg/Kg	3.2	U	3.6	U	3.3	U	3.2	U	3.3	U	3.3	U	3.7	U	3.7	U
Total PCB's* ROD Criteria	500 mg/Kg	0.65		U		0.56		0.65		U		U		4.3		0.90	
4,4'-DDE	50 mg/Kg	0.1	U	0.1	U	0.098	U	0.1	U	0.093	U	0.1	U	0.11	U	0.1	U
Aldrin	50 mg/Kg	0.053	U	0.053	U	0.051	U	0.053	U	0.048	U	0.052	U	0.055	U	0.054	U
Dieldrin	50 mg/Kg	0.1	U	0.1	U	0.098	U	0.1	U	0.093	U	0.1	U	0.11	U	0.1	U

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

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TODAYS DATE 1/12/2012	Sample Point	CD-M18-1-FL		CD-M19-1-FL		CD-M20-1-FL		CD-M21-1-FL		CD-M22-1-FL		CD-M22-1-NW		CD-M23-1-FL		CD-M23-1-NW		CD-M24-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J2160-02		J2261-06		J2294-01		J2294-02		J2518-01		J2518-02		J2518-04		J2518-03		K0916-01	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J2160		J2261		J2294		J2294		J2518		J2518		J2518		J2518		K0916	
	Date Sampled	10/27/2010		11/03/2010		11/08/2010		11/08/2010		12/06/2010		12/06/2010		12/06/2010		12/06/2010		05/25/2011	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.29	U	0.32	U	0.27	U	0.27	U	0.31	U	0.35	U	0.28	U	0.29	U	0.31	
Benzo(b)fluoranthene	50 mg/Kg	3.6	U	3.8	U	3.5	U	3.6	U	3.8	U	3.5	U	3.7	U	3.6	U	3.8	
Fluoranthene	100 mg/Kg	3.6	U	3.8	U	3.5	U	3.6	U	3.8	U	3.5	U	3.7	U	3.6	U	3.8	
Total PCB's* ROD Criteria	500 mg/Kg	0.91		3		88		0.92		31		0.73		2.9		U		U	
4,4'-DDE	50 mg/Kg	0.11	U	0.12	U	1.1	U	0.1	U	0.81	U	0.1	U	0.11	U	0.11	U	0.11	
Aldrin	50 mg/Kg	0.055	U	0.061	U	0.54	U	0.052	U	0.42	U	0.053	U	0.056	U	0.055	U	0.059	
Dieldrin	50 mg/Kg	0.11	U	0.12	U	1.1	U	0.1	U	0.81	U	0.1	U	0.11	U	0.11	U	0.11	

Legend:

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TODAYS DATE 1/12/2012	Sample Point	CD-M24-1-NW		CD-M25-1-FL		CD-M25-1-NW		CD-M25-WP		CD-M26-6'		CD-M27-6'		CD-M28-1-FL		CD-M29-3-FL		CD-M29-1-NW	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV						FV		FV		FV	
	Lab ID	K0916-02		K0916-03		K0916-04		K0916-05		K0403-03		K0403-05		K2135-01		K0387-01		K0387-02	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	K0916		K0916		K0916		K0916		K0403		K0403		K2135		K0387		K0387	
	Date Sampled	05/25/2011		05/25/2011		05/25/2011		05/25/2011		3/17/2011		3/17/2011		10/25/2011		03/14/2011		03/14/2011	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	U	0.42	U	0.28	U	0.67	U	0.46	U	0.26	U	0.3	U	0.29	U	0.3	U	0.37	U
Benzo(b)fluoranthene	50 mg/Kg	U	4.1	U	3.6	U	3.8	U	4.2	U	3.6	U	3.7	U	1.8	U	3.5	U	3.9	U
Fluoranthene	100 mg/Kg	U	4.1	U	3.6	U	3.8	U	4.2	U	3.6	U	3.7	U	1.8	U	3.5	U	3.9	U
Total PCB's* ROD Criteria	500 mg/Kg		11		U		2.9		8.9		U		U		U		U		U
4,4'-DDE	50 mg/Kg	U	0.31		0.11	U	0.11	U	0.12	U	0.099	U	0.12	U	0.11	U	0.12	U	0.12	U
Aldrin	50 mg/Kg	U	0.062	U	0.055	U	0.058	U	0.064	U	0.052	U	0.06	U	0.058	U	0.06	U	0.06	U
Dieldrin	50 mg/Kg	U	0.25	P	0.11	U	0.11	U	0.12	U	0.099	U	0.12	U	0.11	U	0.12	U	0.12	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-M29-1-EW		CD-M29-1-SW		CD-M30-2-FL		CD-M31-1-FL		CD-M32-0.5'-6'		CD-M33-3'-6'		CD-M34-2-FL		CD-M38-1-NW	
		Validated/Preliminary	V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV								FV	
		Lab ID	K0387-03		K0387-05		K0352-02		K2264-01		K0468-04		K0882-05		K2288-01		K0907-08	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	K0387		K0387		K0352		K2264		K0468		K0882		K2288		K0907	
		Date Sampled	03/14/2011		03/14/2011		03/08/2011		11/02/2011		3/28/2011		5/20/2011		11/3/2011		05/24/2011	
Constituent	**Unit**																	
Trichloroethene	1 mg/Kg		0.32	U	0.27	U	0.36	U	0.48		0.13	J	0.37	J	0.3	J	0.33	J
Benzo(b)fluoranthene	50 mg/Kg		3.9	U	3.7	U	3.9	U	1.8	U	3.7	U	3.7	U	1.9	U	4.1	U
Fluoranthene	100 mg/Kg		3.9	U	3.7	U	1.1	J	1.8	U	3.7	U	3.7	U	1.9	U	4.1	U
Total PCB's* ROD Criteria	500 mg/Kg		U		U		U		5.4		U		0.74		2		0.82	
4,4'-DDE	50 mg/Kg		0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U
Aldrin	50 mg/Kg		0.061	U	0.056	U	0.059	U	0.055	U	0.057	U	0.058	U	0.056	U	0.06	U
Dieldrin	50 mg/Kg		0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-M38-2-WW		CD-M38-1-SW		CD-M38-1-EW	
		Validated/Preliminary	V		V		V	
		Final Ver/Waste Char	FV		FV		FV	
		Lab ID	K0946-01		K0907-10		K0907-11	
		MEDIUM	SOIL		SOIL		SOIL	
		Lab Group	K0946		K0907		K0907	
		Date Sampled	05/31/2011		05/24/2011		05/24/2011	
Constituent	**Unit**							
Trichloroethene	1 mg/Kg		0.27	U	0.31	U	0.29	U
Benzo(b)fluoranthene	50 mg/Kg		3.7	U	3.9	U	3.9	U
Fluoranthene	100 mg/Kg		3.7	U	3.9	U	3.9	U
Total PCB's* ROD Criteria	500 mg/Kg		U		U		U	
4,4'-DDE	50 mg/Kg		0.11	U	0.11	U	0.11	U
Aldrin	50 mg/Kg		0.054	U	0.059	U	0.059	U
Dieldrin	50 mg/Kg		0.11	U	0.11	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-N16-2-FL		CD-N16-1-WW		CD-N16-1-NW		CD-N17-2-FL		CD-N17-1-NW		CD-N17-2-EW		CD-N18-1-FL		CD-N19-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J2207-03		J2149-03		J2261-02		J2261-04		J2308-03		J2480-01		J2294-03		J2322-01	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J2207		J2149		J2261		J2261		J2308		J2480		J2294		J2322	
	Date Sampled	10/29/2010		10/26/2010		11/03/2010		11/03/2010		11/09/2010		12/01/2010		11/08/2010		11/10/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.28	U	0.27	U	0.41	U	0.25	U	0.25	U	0.28	U	0.30		0.25	U
Benzo(b)fluoranthene	50 mg/Kg	3.8	U	3.6	U	3.6	U	3.5	U	3.8		3.8	U	3.6	U	3.5	U
Fluoranthene	100 mg/Kg	3.8	U	3.6	U	3.6	U	3.5	U	18		3.8	U	3.6	U	3.5	U
Total PCB's* ROD Criteria	500 mg/Kg	4.8		2.7		6.7		187		24.6		94		0.83		3.9	
4,4'-DDE	50 mg/Kg	0.12	U	0.1	U	0.1	U	1.1	U	0.11	U	1.7	U	0.11	U	0.11	U
Aldrin	50 mg/Kg	0.059	U	0.052	U	0.052	U	0.54	U	0.055	U	0.89	U	0.056	U	0.054	U
Dieldrin	50 mg/Kg	0.12	U	0.1	U	0.1	U	1.1	U	0.11	U	1.7	U	0.11	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-N20-1-FL		CD-N21-1-FL		CD-N22-1-FL		CD-N23-1-FL		CD-N24-2-4		CD-N24-4-6		CD-N25-1-FL		CD-N26-1-FL		CD-N26-1-WW	
		Validated/Preliminary	V		V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV						FV		FV		FV	
		Lab ID	J2368-03		J2368-04		J2431-03		K0803-01		K0442-01		K0442-02		K0552-02		K2061-01		K2061-02	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J2368		J2368		J2431		K0803		K0442		K0442		K0552		K2061		K2061	
		Date Sampled	11/15/2010		11/15/2010		11/22/2010		05/11/2011		3/23/2011		3/23/2011		04/07/2011		10/18/2011		10/18/2011	
Constituent	**Unit**																			
Trichloroethene	1	mg/Kg	0.28	U	0.29	U	0.28	U	0.35	U	0.34	U	0.3	U	0.042	J	0.27	U	0.27	U
Benzo(b)fluoranthene	50	mg/Kg	3.4	U	3.4	U	3.8	U	4	U	3.8	U	3.7	U	3.9	U	1.8	U	1.9	U
Fluoranthene	100	mg/Kg	3.4	U	3.4	U	3.8	U	4	U	3.8	U	3.7	U	3.9	U	1.8	U	1.9	U
Total PCB's* ROD Criteria	500	mg/Kg	10.4		13.4		0.80		U		6.7		4.8		U		0.76		1.4	
4,4'-DDE	50	mg/Kg	0.11		0.19		0.11	U	0.12	U	0.11	U	0.13		0.12	U	0.1	U	0.11	U
Aldrin	50	mg/Kg	0.052	U	0.052	U	0.058	U	0.062	U	0.059	U	0.054	U	0.061	U	0.051	U	0.057	U
Dieldrin	50	mg/Kg	0.1	U	0.11	P	0.11	U	0.12	U	0.11	U	0.11	U	0.12	U	0.1	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-N26-1-NW		CD-N26-1-SW		CD-N27-1-FL		CD-N27-1-EW		CD-N27-1-NW		CD-N27-1-SW		CD-N28-2-FL		CD-N29-1-FL	
		Validated/Preliminary	V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	K2061-03		K2061-04		K2061-05		K2061-06		K2061-07		K2061-08		K0352-03		K0224-04	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	K2061		K2061		K2061		K2061		K2061		K2061		K0352		K0224	
		Date Sampled	10/18/2011		10/18/2011		10/18/2011		10/18/2011		10/18/2011		10/18/2011		03/08/2011		02/14/2011	
Constituent	**Unit**																	
Trichloroethene	1	mg/Kg	0.26	U	0.27	U	0.28	U	0.26	U	0.31	U	0.31	U	0.3	U	0.26	U
Benzo(b)fluoranthene	50	mg/Kg	1.8	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	3.9	U	3.4	U
Fluoranthene	100	mg/Kg	1.8	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	3.9	U	0.44	J
Total PCB's* ROD Criteria	500	mg/Kg	U		1.3		U		U		U		U		U		18	
4,4'-DDE	50	mg/Kg	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.44	
Aldrin	50	mg/Kg	0.056	U	0.055	U	0.055	U	0.056	U	0.057	U	0.054	U	0.058	U	0.053	U
Dieldrin	50	mg/Kg	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.32	P

Legend:

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

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TODAYS DATE 1/12/2012		Sample Point	CD-N29-1FV-FL		CD-N30-1-FL		CD-N30-1FV-FL		CD-N31-1-FL		CD-N32-4'-6'		CD-N33-3'-6'		CD-N34-1-NW		CD-N35-1-NW	
		Validated/Preliminary	V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV						FV		FV	
		Lab ID	K0352-04		K0224-05		K0352-05		K2264-02		K0882-06		K0882-07		K0907-01		K0907-02	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	K0352		K0224		K0352		K2264		K0882		K0882		K0907		K0907	
		Date Sampled	03/08/2011		02/14/2011		03/08/2011		11/02/2011		5/20/2011		5/20/2011		05/24/2011		05/24/2011	
Constituent	**Unit**																	
Trichloroethene	1	mg/Kg	0.28	U	0.25	U	0.47		0.20	J	0.28	U	0.14	J	0.15	J	0.26	U
Benzo(b)fluoranthene	50	mg/Kg	3.7	U	3.5	U	3.8	U	1.8	U	3.8	U	3.7	U	3.7	U	3.5	U
Fluoranthene	100	mg/Kg	0.84	J	3.5	U	3.8	U	1.8	U	3.8	U	3.7	U	3.7	U	3.5	U
Total PCB's* ROD Criteria	500	mg/Kg	2.2		1.8		2.3		8.1		0.93		2.6		48		65	
4,4'-DDE	50	mg/Kg	0.12	U	0.1	U	0.12	U	0.11	U	0.11	U	0.1	U	1.7		2.3	U
Aldrin	50	mg/Kg	0.06	U	0.052	U	0.06	U	0.059	U	0.057	U	0.054	U	0.87	U	1.2	U
Dieldrin	50	mg/Kg	0.12	U	0.1	U	0.12	U	0.11	U	0.11	U	0.1	U	1.7	U	2.3	U

Legend:

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-N36-1-NW		CD-N37-1-NW		CD-N37-1-SW		CD-N37-1-WW		CD-N37-1-EW		CD-N38-10'-14'		CD-N39-1-FL		CD-N39-1-NW	
		Validated/Preliminary	V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	K0907-03		K0907-04		K0907-05		K0907-06		K0907-07		K0714-02		K0607-02		K0607-03	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	K0907		K0907		K0907		K0907		K0907		K0714		K0607		K0607	
		Date Sampled	05/24/2011		05/24/2011		05/24/2011		05/24/2011		05/24/2011		4/26/2011		04/14/2011		04/14/2011	
Constituent	**Unit**																	
Trichloroethene	1 mg/Kg		0.26	U	0.32	J	0.25	U	0.27	U	0.26	U	0.3	U	0.31	U	0.12	J
Benzo(b)fluoranthene	50 mg/Kg		3.7	U	3.8	U	3.5	U	3.8	U	3.8	U	3.7	U	3.9	U	3.4	J
Fluoranthene	100 mg/Kg		3.7	U	3.8	U	3.5	U	3.8	U	3.8	U	3.7	U	3.9	U	6.0	
Total PCB's* ROD Criteria	500 mg/Kg		120		2.1		U		U		U		U		U		5.3	
4,4'-DDE	50 mg/Kg		4.5	U	0.12	U	0.11	U	0.12	U	0.11	U	0.11	U	0.12	U	0.11	U
Aldrin	50 mg/Kg		2.3	U	0.064	U	0.056	U	0.059	U	0.055	U	0.057	U	0.061	U	0.059	U
Dieldrin	50 mg/Kg		4.5	U	0.12	U	0.11	U	0.12	U	0.11	U	0.11	U	0.12	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-N40-1-FL		CD-N40-1-NW	
		Validated/Preliminary	V		V	
		Final Ver/Waste Char	FV		FV	
		Lab ID	K0607-04		K0607-05	
		MEDIUM	SOIL		SOIL	
		Lab Group	K0607		K0607	
		Date Sampled	04/14/2011		04/14/2011	
Constituent	**Unit**					
Trichloroethene	1 mg/Kg		0.3	U	0.94	
Benzo(b)fluoranthene	50 mg/Kg		3.8	U	3.8	U
Fluoranthene	100 mg/Kg		3.8	U	3.8	U
Total PCB's* ROD Criteria	500 mg/Kg		U		1.5	
4,4'-DDE	50 mg/Kg		0.11	U	0.12	U
Aldrin	50 mg/Kg		0.058	U	0.06	U
Dieldrin	50 mg/Kg		0.11	U	0.12	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

		Sample Point	CD-02-1-WW		CD-03-1-FL		CD-03-1-NW		CD-04-1-FL		CD-04-1-NW		CD-O8-1-FL		CD-O16-2-FL		CD-O16-2-WW		CD-O17-3-FL	
		Validated/Preliminary	V		V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	J0836-01		J0836-02		J0836-03		J0836-04		J0836-05		J1602-01		J2207-02		J2225-01		J2308-02	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J0836		J0836		J0836		J0836		J0836		J1602		J2207		J2225		J2308	
		Date Sampled	04/22/2010		04/22/2010		04/22/2010		04/22/2010		04/22/2010		08/13/2010		10/29/2010		11/01/2010		11/09/2010	
Constituent	**Unit**																			
Trichloroethene	1 mg/Kg		0.26	U	0.24	U	0.29	U	0.44	U	0.27	U	0.3	U	0.32	U	0.25	U	0.29	
Benzo(b)fluoranthene	50 mg/Kg		3.5	U	3.4	U	3.9	U	3.4	U	3.5	U	3.6	U	3.8	U	0.97	J	3.8	
Fluoranthene	100 mg/Kg		3.5	U	3.4	U	3.9	U	3.4	U	3.5	U	3.6	U	3.8	U	0.76	J	3.8	
Total PCB's* ROD Criteria	500 mg/Kg		3.6		U		U		U		1.0		2.3		1.62		22		440	
4,4'-DDE	50 mg/Kg		0.1	U	0.1	U	0.12	U	0.1	U	0.11	U	0.1	U	0.11	U	5.2	U	5.4	
Aldrin	50 mg/Kg		0.054	U	0.053	U	0.061	U	0.053	U	0.055	U	0.054	U	0.055	U	2.7	U	2.8	
Dieldrin	50 mg/Kg		0.1	U	0.1	U	0.12	U	0.1	U	0.11	U	0.1	U	0.11	U	5.2	U	5.4	

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

	Sample Point	CD-O17-1-NW		CD-O17-1-WW		CD-O18-3-FL		CD-O18-1-NW		CD-O18-1-EW		CD-O19-1-FL		CD-O20-1-FL		CD-O21-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J2308-04		J2308-05		J2368-12		J2368-13		J2368-14		J2322-02		J2368-05		J2431-01	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J2308		J2308		J2368		J2368		J2368		J2322		J2368		J2431	
	Date Sampled	11/09/2010		11/09/2010		11/16/2010		11/16/2010		11/16/2010		11/10/2010		11/15/2010		11/22/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	U	0.26	U	0.3	U	0.27	U	0.26	U	0.71		0.24	U	0.28	U	0.29	U
Benzo(b)fluoranthene	50 mg/Kg	U	3.6	U	3.7	U	3.5	U	3.4	U	3.8	U	3.5	U	3.5	U	3.6	U
Fluoranthene	100 mg/Kg	U	3.6	U	3.7	U	3.5	U	3.4	U	3.8	U	3.5	U	3.5	U	3.6	U
Total PCB's* ROD Criteria	500 mg/Kg		74		87		138		130		15.9		106		151		10.7	
4,4'-DDE	50 mg/Kg	U	1.1	U	2.3	U	2.5	U	1.3	J	0.11	U	1	U	4.8	U	0.11	U
Aldrin	50 mg/Kg	U	0.56	U	1.2	U	1.5	P	1.3	U	0.13	P	0.53	U	2.5	U	0.055	U
Dieldrin	50 mg/Kg	U	1.1	U	2.3	U	2.5	U	2.6	U	0.12	P	1	U	4.8	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

		Sample Point	CD-O21-WP7		CD-O22-1-FL		CD-023-1-FL		CD-O24-1-FL		CD-O25-1-FL		CD-O26-3'-6'		CD-O27-3'-6'		CD-O28-1-FL		CD-028-1FV-FL	
		Validated/Preliminary	V		V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV						FV		FV	
		Lab ID	J2535-01		J2431-04		J2518-05		K0552-03		K0552-04		K0751-04		K0751-05		K0214-04		K0352-06	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J2535		J2431		J2518		K0552		K0552		K0751		K0751		K0214		K0352	
		Date Sampled	12/07/2010		11/22/2010		12/06/2010		04/07/2011		04/07/2011		5/2/2011		5/2/2011		02/10/2011		03/08/2011	
Constituent	**Unit**																			
Trichloroethene	1	mg/Kg	0.49	U	0.28	U	0.34	U	0.050	J	0.12	J	0.32	U	0.31	U	0.093	J	0.20	J
Benzo(b)fluoranthene	50	mg/Kg	11		3.7	U	3.8	U	3.9	U	3.9	U	4	U	3.9	U	3.9	U	3.7	U
Fluoranthene	100	mg/Kg	24		3.7	U	3.8	U	3.9	U	3.9	U	4	U	3.9	U	3.9	U	3.7	U
Total PCB's* ROD Criteria	500	mg/Kg	93		61		U		U		U		U		U		U		6.2	
4,4'-DDE	50	mg/Kg	2.9	U	1	U	0.11	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.17	
Aldrin	50	mg/Kg	1.5	U	0.53	U	0.059	U	0.063	U	0.062	U	0.063	U	0.061	U	0.061	U	0.056	U
Dieldrin	50	mg/Kg	2.9	U	1	U	0.11	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.11	P

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

		Sample Point	CD-O29-1-FL		CD-029-1FV-FL		CD-O30-1-FL		CD-030-1FV-FL		CD-O31-1-FL		CD-O32-1-FL		CD-O33-2-FL		CD-O33-1-NW	
		Validated/Preliminary	V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	K0214-05		K0352-07		K0214-06		K0352-08		K2264-03		K2264-04		K2463-01		K2463-02	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	K0214		K0352		K0214		K0352		K2264		K2264		K2463		K2463	
		Date Sampled	02/10/2011		03/08/2011		02/10/2011		03/08/2011		11/02/2011		11/02/2011		11/18/2011		11/18/2011	
Constituent	**Unit**																	
Trichloroethene	1 mg/Kg		0.070	J	0.34	U	0.34		0.10	J	0.12	J	0.26	U	0.26	U	0.41	
Benzo(b)fluoranthene	50 mg/Kg		3.6	U	3.7	U	3.7	U	3.7	U	1.9	U	1.8	U	1.8	U	1.9	U
Fluoranthene	100 mg/Kg		3.6	U	3.7	U	3.7	U	3.7	U	1.9	U	1.8	U	1.8	U	1.9	U
Total PCB's* ROD Criteria	500 mg/Kg		1.7		13		0.68		U		15.1		U		U		37	
4,4'-DDE	50 mg/Kg		0.1	U	0.36		0.1	U	0.12	U	0.11	U	0.11	U	0.11	U	0.26	P
Aldrin	50 mg/Kg		0.052	U	0.058	U	0.054	U	0.06	U	0.057	U	0.058	U	0.055	U	0.055	U
Dieldrin	50 mg/Kg		0.1	U	0.27	P	0.1	U	0.12	U	0.11	U	0.11	U	0.11	U	0.39	P

Legend:

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

	Sample Point	CD-O33-1-EW		CD-O33-1-WW		CD-O34-1-FL		CD-O35-11'-14'		CD-O36-11'-14'		CD-O37-10'-12'		CD-O38-10'-12'		CD-O38-12'-14'		CD-O39-1-FL
	Validated/Preliminary	V		V		V		V		V		V		V		V		V
	Final Ver/Waste Char	FV		FV		FV												FV
	Lab ID	K2463-03		K2463-04		K0792-08		K0803-05		K0803-06		K0633-01		K0633-03		K0633-04		K0582-04
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL
	Lab Group	K2463		K2463		K0792		K0803		K0803		K0633		K0633		K0633		K0582
	Date Sampled	11/18/2011		11/18/2011		05/10/2011		05/10/2011		05/10/2011		4/19/2011		4/19/2011		4/19/2011		04/11/2011
Constituent	**Unit**																	
Trichloroethene	1 mg/Kg	0.37	U	0.28	U	0.31	U	0.29	U	0.31	U	0.36	U	0.29	U	0.4	U	0.27
Benzo(b)fluoranthene	50 mg/Kg	1.9	U	1.8	U	3.8	U	3.9	U	3.6	U	3.6	U	3.7	U	3.4	U	3.5
Fluoranthene	100 mg/Kg	1.9	U	1.8	U	3.8	U	3.9	U	3.6	U	3.6	U	3.7	U	3.4	U	3.5
Total PCB's* ROD Criteria	500 mg/Kg	8.2		6.8		1.9		U		U		3.8		3.2		4.7		2.5
4,4'-DDE	50 mg/Kg	0.11	U	0.11		0.11	U	0.11	U	0.11	U	0.11		0.12	U	0.13		0.1
Aldrin	50 mg/Kg	0.057	U	0.053	U	0.058	U	0.058	U	0.056	U	0.057	U	0.06	U	0.052	U	0.053
Dieldrin	50 mg/Kg	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.1	U	0.1

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

		Sample Point		CD-O40-1-FL	
		Validated/Preliminary		V	
		Final Ver/Waste Char		FV	
		Lab ID		K0582-05	
		MEDIUM		SOIL	
		Lab Group		K0582	
		Date Sampled		04/11/2011	
Constituent	**Unit**				
Trichloroethene	1 mg/Kg	U	0.28	U	
Benzo(b)fluoranthene	50 mg/Kg	U	3.5	U	
Fluoranthene	100 mg/Kg	U	3.5	U	
Total PCB's* ROD Criteria	500 mg/Kg		8.2		
4,4'-DDE	50 mg/Kg	U	0.16		
Aldrin	50 mg/Kg	U	0.057	U	
Dieldrin	50 mg/Kg	U	0.11		

Legend:
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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.
N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.
JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.
E- The value is above quantitation range.
B-Analyte detected in method blank.
A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-P2-1-WW		CD-P3-1-FL		CD-P4-2-FL		CD-P4-1-NW		CD-P4-1-EW		CD-P4-1-WW		CD-P4-1-SW		CD-P5-1-FL		CD-P5-1-NW	
		Validated/Preliminary	V		V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	J0870-01		J0853-01		J0910-01		J0910-02		J0910-03		J0910-04		J0910-05		J0892-01		J0892-02	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J0870		J0853		J0910		J0910		J0910		J0910		J0910		J0892		J0892	
		Date Sampled	04/26/2010		04/23/2010		04/30/2010		04/30/2010		04/30/2010		04/30/2010		04/30/2010		04/28/2010		04/28/2010	
Constituent	**Unit**																			
Trichloroethene	1 mg/Kg		0.3	U	0.35	U	0.29	U	0.27	U	0.27	U	0.28	U	0.3	U	0.37		0.35	U
Benzo(b)fluoranthene	50 mg/Kg		1.5	J	3.5	U	4	U	3.8	U	3.8	U	3.9	U	3.8	U	3.7	U	3.9	U
Fluoranthene	100 mg/Kg		2.9	J	3.5	U	4	U	3.8	U	3.8	U	3.9	U	3.8	U	0.88	J	3.9	U
Total PCB's* ROD Criteria	500 mg/Kg		5.3		23		24		2.38		177		6.9		214		114		U	
4,4'-DDE	50 mg/Kg		0.19		0.48		0.21		0.11	U	0.99		0.12	U	0.92	U	1.3		0.11	U
Aldrin	50 mg/Kg		0.058	U	0.055	U	0.061	U	0.059	U	0.46	U	0.06	U	0.47	U	0.29	U	0.058	U
Dieldrin	50 mg/Kg		0.14	P	0.32	P	0.12	U	0.11	U	0.9	U	0.12	U	0.92	U	0.57	U	0.11	U

Legend:

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

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TODAYS DATE 1/12/2012	Sample Point	CD-P6-1-FL		CD-P6-1-EW		CD-P7-1-FL		CD-P14-2-FL		CD-P14-1-SW		CD-P14-1-WW		CD-P14-1-NW		CD-P15-1-FL		CD-P15-1-NW	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J0932-01		J0892-03		J0932-02		K1735-06		K1735-07		K1735-08		K1735-09		K1735-10		K1735-11	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J0932		J0892		J0932		K1735		K1735		K1735		K1735		K1735		K1735	
	Date Sampled	05/05/2010		04/28/2010		05/05/2010		09/15/2011		09/15/2011		09/15/2011		09/15/2011		09/15/2011		09/15/2011	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.28	U	0.34	U	0.27	U	0.32	U	0.28	U	0.36	U	0.28	U	0.41	U	0.26	U
Benzo(b)fluoranthene	50 mg/Kg	3.6	U	3.6	U	3.5	U	1.8	U	1.9	U	1.8	U	1.8	U	2	U	0.65	J
Fluoranthene	100 mg/Kg	0.39	J	3.6	U	3.5	U	1.8	U	1.9	U	1.8	U	1.8	U	2	U	0.59	J
Total PCB's* ROD Criteria	500 mg/Kg	8.5		31		U		94		17		17.4		16.3		76		65	
4,4'-DDE	50 mg/Kg	0.11	J	0.28		0.1	U	0.42	U	0.11	U	0.11	U	0.11	U	0.49	U	0.44	U
Aldrin	50 mg/Kg	0.055	U	0.055	U	0.054	U	0.22	U	0.057	U	0.055	U	0.059	U	0.25	U	0.23	U
Dieldrin	50 mg/Kg	0.11	U	0.14	P	0.1	U	0.42	U	0.11	U	0.11	U	0.11	U	0.49	U	0.44	U

Legend:

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-P15-1-SW		CD-P16-1-FL		CD-P17-1-FL		CD-P18-3-SW		CD-P18-4-WW		CD-P19-3-FL		CD-P19-1-SW		CD-P20-3-FL		CD-P20-4-FL11
		Validated/Preliminary	V		V		V		V		V		V		V		V		V
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV
		Lab ID	K1735-12		J2135-01		J2182-05		J2583-03		J2630-01		J2420-02		J2480-06		J2480-08		J2583-04
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL
		Lab Group	K1735		J2135		J2182		J2583		J2630		J2420		J2480		J2480		J2583
		Date Sampled	09/15/2011		10/25/2010		10/28/2010		12/10/2010		12/16/2010		11/19/2010		12/01/2010		12/01/2010		12/10/2010
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg		0.31	U	0.25	U	0.28	U	0.32	U	0.29	U	0.27	U	0.32	U	0.29	U	
Benzo(b)fluoranthene	50 mg/Kg		1.8	U	3.2	U	3.6	U	3.5	U	3.5	U	3.5	U	3.8	U	3.9	U	
Fluoranthene	100 mg/Kg		1.8	U	3.2	U	3.6	U	3.5	U	3.5	U	3.5	U	3.8	U	3.9	U	
Total PCB's* ROD Criteria	500 mg/Kg		62		11.9		57		52		230		333		440		470		210
4,4'-DDE	50 mg/Kg		0.42	U	0.11		1	U	1	U	2.7	U	7.5	U	5.7	U	5.7	U	
Aldrin	50 mg/Kg		0.22	U	0.05	U	0.53	U	0.53	U	1.4	U	4.2	P	2.9	U	2.9	U	
Dieldrin	50 mg/Kg		0.42	U	0.098	U	1	U	1	U	2.7	U	7.5	U	5.7	U	5.7	U	

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-P20-1-EW		CD-P20-5-NW		CD-P20-1-SW		CD-P21-1-FL		CD-P22-1-FL		CD-P23-1-FL		CD-P25-1-FL		CD-P26-2'-5'		CD-P26-5'-11'	
		Validated/Preliminary	V		V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV					
		Lab ID	J2595-01		K1979-01		J2595-03		J2398-01		J2431-02		K0890-02		K0552-05		K0435-05		K0435-06	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J2595		K1979		J2595		J2398		J2431		K0890		K0552		K0435		K0435	
		Date Sampled	12/13/2010		10/11/2011		12/13/2010		11/18/2010		11/22/2010		05/23/2011		04/07/2011		3/22/2011		3/22/2011	
Constituent	**Unit**																			
Trichloroethene	1 mg/Kg		0.27	U	0.43	U	0.28	U	0.3	U	0.28	U	0.33	U	0.060	J	0.3	U	0.33	
Benzo(b)fluoranthene	50 mg/Kg		3.7	U	1.8	U	3.5	U	3.9	U	3.6	U	3.5	U	3.8	U	3.6	U	3.7	
Fluoranthene	100 mg/Kg		3.7	U	1.8	U	3.5	U	3.9	U	3.6	U	3.5	U	3.8	U	3.6	U	3.7	
Total PCB's* ROD Criteria	500 mg/Kg		198		102		232		154		U		0.59		U		4.2		U	
4,4'-DDE	50 mg/Kg		1.7		1.5		2	U	2.5		0.11	U	0.11	U	0.11	U	0.12	U	0.11	
Aldrin	50 mg/Kg		0.57	U	0.57	U	1	U	1.1	U	0.058	U	0.059	U	0.058	U	0.06	U	0.056	
Dieldrin	50 mg/Kg		1.2	P	1.1	U	2	U	2.2	P	0.11	U	0.11	U	0.11	U	0.12	U	0.11	

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-P26-11'-14'		CD-P27-1-FL		CD-P27-1FV-FL		CD-P28-1-FL		CD-P28-1FV-FL		CD-P29-1-FL		CD-P29-1FV-FL		CD-P30-2-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char			FV		FV		FV		FV		FV		FV		FV	
	Lab ID	K0435-07		K0214-01		K0352-09		K0214-02		K0352-10		K0214-03		K0352-11		K2490-01	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	K0435		K0214		K0352		K0214		K0352		K0214		K0352		K2490	
	Date Sampled	3/22/2011		02/10/2011		03/08/2011		02/10/2011		03/08/2011		02/10/2011		03/08/2011		11/22/2011	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	U	0.3	U	0.14	J	0.28	U	0.28	U	0.28	U	0.11	J	0.33	U 0.27	U
Benzo(b)fluoranthene	50 mg/Kg	U	3.9	U	4.1	U	3.7	U	3.7	U	3.7	U	3.4	U	3.9	U 1.8	U
Fluoranthene	100 mg/Kg	U	3.9	U	4.1	U	3.7	U	3.7	U	3.7	U	3.4	U	3.9	U 1.8	U
Total PCB's* ROD Criteria	500 mg/Kg		6.8		2.1		0.90		U		1.3		4.0		1.6	3.5	
4,4'-DDE	50 mg/Kg	U	0.19		0.12	U	0.11	U	0.11	U	0.12	U	0.11	J	0.11	U 0.11	U
Aldrin	50 mg/Kg	U	0.057	U	0.062	U	0.057	U	0.055	U	0.06	U	0.054	U	0.058	U 0.058	U
Dieldrin	50 mg/Kg	U	0.11	U	0.12	U	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U 0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-P31-6'	CD-P33-1-FL	CD-P34-1-0-4'E	CD-P34-1-0-4'N	CD-P34-1-0-4'W	CD-P34-1-0-4'M	CD-P34-1-FL	CD-P35-1-FL	CD-P36-10'-14'
	Validated/Preliminary	V	V	P	P	P	P	V	V	V
	Final Ver/Waste Char		FV	FV	FV	FV	FV	FV	FV	
	Lab ID	K0739-01	K0792-05	J0985-03	J0985-04	J0985-05	J0985-06	K0792-06	K0792-07	K0803-07
	MEDIUM	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Lab Group	K0739	K0792	J0985	J0985	J0985	J0985	K0792	K0792	K0803
	Date Sampled	4/29/2011	05/10/2011	05/12/2010	05/12/2010	05/12/2010	05/12/2010	05/10/2011	05/10/2011	5/11/2011
Constituent	**Unit**									
Trichloroethene	1 mg/Kg	0.58	0.27 U					0.65	0.27 U	0.44
Benzo(b)fluoranthene	50 mg/Kg	3.8 U	3.7 U					3.8 U	3.6 U	3.7
Fluoranthene	100 mg/Kg	3.8 U	3.7 U					3.8 U	3.6 U	3.7
Total PCB's* ROD Criteria	500 mg/Kg	13	3.6	44.8	7.1	U	4.1	10.8	12.9	0.58
4,4'-DDE	50 mg/Kg	0.38	0.11 U					0.073 PJ	0.11 U	0.11
Aldrin	50 mg/Kg	0.054 U	0.058 U					0.059 U	0.056 U	0.058
Dieldrin	50 mg/Kg	0.3	0.11 U					0.11 U	0.11 U	0.11

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-P37-1-FL		CD-P37-1-NW		CD-P37-1-WW		CD-P37-1-SW		CD-P37-SL		CD-P38-9'-14'		CD-P39-1-FL		CD-P40-1-FL		CD-P41-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV				FV		FV		FV	
	Lab ID	K0792-01		K0792-02		K0792-03		K0792-04		K0633-06		K0633-07		K0582-06		K0582-07		K0582-08	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	K0792		K0792		K0792		K0792		K0633		K0633		K0582		K0582		K0582	
	Date Sampled	05/10/2011		05/10/2011		05/10/2011		05/10/2011		04/19/2011		4/19/2011		04/11/2011		04/11/2011		04/11/2011	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	U	0.5	U	0.25	U	0.33	U	0.42	U	0.067	J	0.3	U	0.3	U	0.27	U	0.25	U
Benzo(b)fluoranthene	50 mg/Kg	U	4.1	U	3.5	U	4	U	3.6	U	3.8	U	3.7	U	3.9	U	3.8	U	3.5	U
Fluoranthene	100 mg/Kg	U	4.1	U	3.5	U	4	U	3.6	U	3.8	U	3.7	U	0.47	J	3.8	U	3.5	U
Total PCB's* ROD Criteria	500 mg/Kg		1.3		U		0.72		7.9		50		1.6		98		1.4		0.78	
4,4'-DDE	50 mg/Kg	U	0.11	U	0.11	U	0.12	U	0.1	U	1.3		0.11	U	2.0		0.11	U	0.11	U
Aldrin	50 mg/Kg	U	0.057	U	0.056	U	0.062	U	0.052	U	0.48	U	0.055	U	0.58	U	0.057	U	0.054	U
Dieldrin	50 mg/Kg	U	0.11	U	0.11	U	0.12	U	0.1	U	0.93	U	0.11	U	1.1	U	0.11	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

	Sample Point	CD-P41-1-NW	
TODAYS DATE	**Validated/Preliminary**	V	
1/12/2012	**Final Ver/Waste Char**	FV	
	Lab ID	K0590-02	
	MEDIUM	SOIL	
	Lab Group	K0590	
	Date Sampled	04/12/2011	
Constituent	**Unit**		
Trichloroethene	1 mg/Kg	0.40	
Benzo(b)fluoranthene	50 mg/Kg	4.9	
Fluoranthene	100 mg/Kg	5.6	
Total PCB's* ROD Criteria	500 mg/Kg	350	
4,4'-DDE	50 mg/Kg	10	
Aldrin	50 mg/Kg	1.6	U
Dieldrin	50 mg/Kg	7.8	P

Legend:

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-Q2-1-WW		CD-Q3-1-FL		CD-Q4-2-FL		CD-Q4-1-EW		CD-Q4-1-SW		CD-Q4-1-WW		CD-Q5-2-EW		CD-Q6-1-SW	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J0870-02		J0853-03		J0968-01		J0968-02		J0968-03		J0968-04		J0932-03		J0932-04	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J0870		J0853		J0968		J0968		J0968		J0968		J0932		J0932	
	Date Sampled	04/26/2010		04/23/2010		05/10/2010		05/10/2010		05/10/2010		05/10/2010		05/05/2010		05/05/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.3	U	0.31		0.34	U	0.4	U	0.33	U	0.29	U	0.28	U	0.24	U
Benzo(b)fluoranthene	50 mg/Kg	3.8	U	3.4	U	3.4	U	3.6	U	3.6	U	3.5	U	3.8	U	3.5	U
Fluoranthene	100 mg/Kg	3.8	U	1.0	J	3.4	U	3.6	U	3.6	U	3.5	U	3.8	U	3.5	U
Total PCB's* ROD Criteria	500 mg/Kg	U		30		52		19		11.3		13.6		63.4		U	
4,4'-DDE	50 mg/Kg	0.12	U	0.39		0.56		0.36		0.24		0.29		1.8		0.11	U
Aldrin	50 mg/Kg	0.06	U	0.053	U	0.27	U	0.056	U	0.055	U	0.055	U	0.3	U	0.055	U
Dieldrin	50 mg/Kg	0.12	U	0.24	P	0.52	U	0.26	P	0.15	P	0.18	P	1.3	P	0.11	U

Legend:

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-Q7-1-SW		CD-Q15-1-WW		CD-Q15-1-FL		CD-Q16-1-FL		CD-Q17-1-FL		CD-Q18-1-FL		CD-Q19-1-FL		CD-Q20-1-FL	
		Validated/Preliminary	V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	J0932-05		J1394-01		J1368-01		J1368-02		J1394-02		J1394-03		J1394-04		J2388-01	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J0932		J1394		J1368		J1368		J1394		J1394		J1394		J2388	
		Date Sampled	05/05/2010		07/12/2010		07/06/2010		07/06/2010		07/12/2010		07/12/2010		07/12/2010		11/17/2010	
Constituent	**Unit**																	
Trichloroethene	1 mg/Kg		0.31	U	0.28	U	0.29	U	0.36	U	0.4	U	0.23	U	0.3	U	0.28	U
Benzo(b)fluoranthene	50 mg/Kg		3.8	U	3.9	U	3.8	U	3.9	U	3.6	U	3.3	U	4.7		0.51	J
Fluoranthene	100 mg/Kg		3.8	U	3.9	U	3.8	U	3.9	U	3.6	U	3.3	U	5.4		0.50	J
Total PCB's* ROD Criteria	500 mg/Kg		155		253		1.6		U		0.76		U		5.7		5.4	
4,4'-DDE	50 mg/Kg		4.1		0.51	P	0.12	U	0.12	U	0.11	U	0.098	U	0.11	U	0.1	U
Aldrin	50 mg/Kg		0.55	U	0.058	U	0.059	U	0.06	U	0.055	U	0.051	U	0.056	U	0.054	U
Dieldrin	50 mg/Kg		3.0	P	0.11	P	0.12	U	0.12	U	0.11	U	0.098	U	0.11	U	0.1	U

Legend:

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-Q21-1-FL		CD-Q22-1-FL		CD-Q23-5'-10'		CD-Q23-10'-14'		CD-Q24-1-FL		CD-Q25-5'-10'		CD-Q25-10'-14'		CD-Q26-4'		CD-Q27-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV						FV								FV	
	Lab ID	J2398-02		K0890-03		K0569-01		K0569-02		K0607-01		K0569-03		K0569-04		K1026-05		K0380-01	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J2398		K0890		K0569		K0569		K0607		K0569		K0569		K1026		K0380	
	Date Sampled	11/18/2010		05/23/2011		4/8/2011		4/8/2011		4/14/2011		4/8/2011		4/8/2011		6/15/2011		03/11/2011	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.26	U	0.20	J	0.34	U	0.34	U	0.28	U	0.31	U	0.31	U	0.075	J	0.33	U
Benzo(b)fluoranthene	50 mg/Kg	3.7	U	3.7	U	4	U	3.7	U	3.8	U	3.9	U	3.9	U	3.8	U	3.9	U
Fluoranthene	100 mg/Kg	3.7	U	3.7	U	4	U	3.7	U	3.8	U	3.9	U	3.9	U	3.8	U	3.9	U
Total PCB's* ROD Criteria	500 mg/Kg	0.63		U		U		9		U		0.76		158		0.65		0.65	
4,4'-DDE	50 mg/Kg	0.11	U	0.11	U	0.12	U	0.25		0.11	U	0.11	U	3.3		0.11	U	0.12	U
Aldrin	50 mg/Kg	0.056	U	0.054	U	0.06	U	0.059	U	0.055	U	0.058	U	1.5	U	0.055	U	0.064	U
Dieldrin	50 mg/Kg	0.11	U	0.11	U	0.12	U	0.17	U	0.11	U	0.11	U	2.9	U	0	U	0.12	U

Legend:

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-Q28-1-FL		CD-Q29-2-FL		CD-Q30-2-FL		CD-Q31-7'		CD-Q32-4'-6'		CD-Q334-1-FL		CD-Q35-1-FL		CD-Q36-1-FL		CD-Q37-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV						FV		FV		FV		FV	
	Lab ID	K0380-02		K2490-02		K2490-03		K0739-04		K0739-05		K0963-10		K0963-11		K0492-03		K0492-04	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	K0380		K2490		K2490		K0739		K0739		K0963		K0963		K0492		K0492	
	Date Sampled	03/11/2011		11/22/2011		11/22/2011		4/29/2011		4/29/2011		06/02/2011		06/02/2011		03/31/2011		03/31/2011	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.11	J	0.31	U	0.28	U	0.24	U	0.3	U	0.098	BJ	0.094	BJ	0.32	U	0.19	J
Benzo(b)fluoranthene	50 mg/Kg	3.9	U	2	U	1.9	U	3.6	U	3.8	U	3.6	U	3.5	U	3.3	U	3.4	U
Fluoranthene	100 mg/Kg	3.9	U	2	U	1.9	U	3.6	U	3.8	U	3.6	U	3.5	U	3.3	U	3.4	U
Total PCB's* ROD Criteria	500 mg/Kg	U		1.9		9.4		1.1		1.8		2.9		3.2		1.2		3.6	
4,4'-DDE	50 mg/Kg	0.11	U	0.11	U	0.16		0.11	U	0.11	U	0.1	U	0.11	U	0.1	U	0.1	U
Aldrin	50 mg/Kg	0.058	U	0.057	U	0.059	U	0.057	U	0.055	U	0.052	U	0.057	U	0.052	U	0.053	U
Dieldrin	50 mg/Kg	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.1	U	0.11	U	0.1	U	0.1	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-Q38-1-FL		CD-Q39-1-FL		CD-Q40-1-FL		CD-Q41-1-FL		CD-Q41-1-EW	
		Validated/Preliminary	V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV	
		Lab ID	K0492-05		K0492-06		K0506-01		K0506-02		K0590-01	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	K0492		K0492		K0506		K0506		K0590	
		Date Sampled	03/31/2011		03/31/2011		04/04/2011		04/04/2011		04/12/2011	
Constituent	**Unit**											
Trichloroethene	1 mg/Kg		0.21	J	0.13	J	0.27	U	0.27	U	0.36	J
Benzo(b)fluoranthene	50 mg/Kg		3.4	U	0.52	J	3.7	U	3.6	U	2.3	J
Fluoranthene	100 mg/Kg		3.4	U	0.92	J	3.7	U	3.6	U	2.9	J
Total PCB's* ROD Criteria	500 mg/Kg		53		82		6.3		U		39	
4,4'-DDE	50 mg/Kg		1.3		2.1		0.11	U	0.1	U	1.2	
Aldrin	50 mg/Kg		0.33	U	0.6	U	0.055	U	0.053	U	0.13	U
Dieldrin	50 mg/Kg		0.88	P	1.5	P	0.11	U	0.1	U	0.94	P

Legend:

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-R2-1-WW		CD-R3-1-FL		CD-R4-1-FL		CD-R4-1-EW		CD-R12-1-WW		CD-R13-1-FL		CD-R14-1-FL		CD-R14-1-WW	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J0870-04		J0853-05		J0853-06		J0870-05		H1910-06		J0390-01		J0403-01		J0423-04	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J0870		J0853		J0853		J0870		H1910		J0390		J0403		J0423	
	Date Sampled	04/26/2010		04/23/2010		04/23/2010		04/26/2010		09/30/2009		03/09/2010		03/10/2010		03/11/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.26	U	0.25	U	0.24	U	0.29	U	0.016		0.12	J	0.33	U	0.23	U
Benzo(b)fluoranthene	50 mg/Kg	3.8	U	3.7	U	3.4	U	3.9	U	0.63		14		4.2	U	3.8	U
Fluoranthene	100 mg/Kg	3.8	U	3.7	U	3.4	U	3.9	U	0.36	J	27		4.2	U	3.8	U
Total PCB's* ROD Criteria	500 mg/Kg	U		28.4		13.6		9.6		480		390		4.3		19.8	
4,4'-DDE	50 mg/Kg	0.12	U	0.23	U	0.11	U	0.12	U	10		4.0		0.12	U	0.33	
Aldrin	50 mg/Kg	0.059	U	0.12	U	0.055	U	0.061	U	1.7	U	3.1		0.06	U	0.061	U
Dieldrin	50 mg/Kg	0.12	U	0.23	U	0.11	U	0.12	U	3.4	U	3.5	P	0.12	U	0.22	P

Legend:

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-R15-1-FL		CD-R16-1-FL		CD-R17-1-FL		CD-R18-1-FL		CD-R19-1-FL		CD-R20-1-FL		CD-R21-1-FL		CD-R22-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J0789-02		J0789-03		J0985-01		J0985-02		J1394-05		J2388-02		J2398-03		K0890-04	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J0789		J0789		J0985		J0985		J1394		J2388		J2398		K0890	
	Date Sampled	04/19/2010		04/19/2010		05/12/2010		05/12/2010		07/12/2010		11/17/2010		11/18/2010		05/23/2011	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.29	U	0.24	U	0.29	U	0.33	U	0.24	U	0.3	U	0.31	U	0.35	U
Benzo(b)fluoranthene	50 mg/Kg	4	U	3.5	U	4	U	4.2	U	3.8	U	5.8		3.8	U	3.8	U
Fluoranthene	100 mg/Kg	4	U	3.5	U	4	U	4.2	U	3.8	U	5.7		3.8	U	3.8	U
Total PCB's* ROD Criteria	500 mg/Kg	1.2		5.8		29.5		33.2		6.4		9.2		U		5.7	
4,4'-DDE	50 mg/Kg	0.12	U	0.11	U	1.0		0.45	P	0.11	U	0.12	U	0.11	U	0.11	U
Aldrin	50 mg/Kg	0.062	U	0.055	U	0.31	U	0.18	P	0.057	U	0.06	U	0.058	U	0.056	U
Dieldrin	50 mg/Kg	0.12	U	0.11	U	0.73	P	0.31	P	0.11	U	0.12	U	0.11	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-R23-5'-11'		CD-R23-11'-14'		CD-R25-1-NW		CD-R25-1-EW		CD-R26-5'-10'		CD-R26-10'-14'		CD-R27-6'-13'		CD-R28-8'-12'		CD-R29-7'	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char					FV		FV											
	Lab ID	K0768-01		K0768-02		K2024-02		K2024-03		K1026-06		K1026-07		K0739-06		K1026-08		K0739-07	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	K0768		K0768		K2024		K2024		K1026		K1026		K0739		K1026		K0739	
	Date Sampled	5/5/2011		5/5/2011		10/14/2011		10/14/2011		6/15/2011		6/15/2011		4/29/2011		6/15/2011		4/29/2011	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.32	U	0.3	U	0.3	U	0.32	U	0.32	U	0.28	U	0.3	U	0.32	U	0.3	
Benzo(b)fluoranthene	50 mg/Kg	3.9	U	3.7	U	1.9	U	1.9	U	4	U	3.6	U	3.6	U	3.9	U	3.9	
Fluoranthene	100 mg/Kg	3.9	U	3.7	U	1.9	U	1.9	U	4	U	3.6	U	3.6	U	3.9	U	3.9	
Total PCB's* ROD Criteria	500 mg/Kg	37		190		41		3.8		0.64		5		290		4.5		1.3	
4,4'-DDE	50 mg/Kg	1.1		5.2		1.1		0.12		0.12	U	0.11	U	8.6		0.11	U	0.12	
Aldrin	50 mg/Kg	0.32	U	1.5	U	0.57	U	0.055	U	0.06	U	0.057	U	1.7	U	0.057	U	0.06	
Dieldrin	50 mg/Kg	0.61	U	2.9	U	1.1	U	0.11	U	0.12	U	0.14	P	4.2		0.13	P	0.12	

Legend:

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-R30-1-FL		CD-R31-2-FL		CD-R32-2-FL		CD-R39-1-FL		CD-R40-1-FL		CD-R41-1-FL		CD-R41-1-EW	
	Validated/Preliminary	V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
	Lab ID	K2490-04		K2548-01		K2548-02		K0492-07		K0492-08		K0506-03		K0582-03	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	K2490		K2548		K2548		K0492		K0492		K0506		K0582	
	Date Sampled	11/22/2011		12/01/2011		12/01/2011		03/31/2011		03/31/2011		04/04/2011		04/11/2011	
Constituent	**Unit**														
Trichloroethene	1 mg/Kg	U	0.28	U	0.32	U	0.29	U	0.11	J	0.24	J	0.26	U	0.39	U
Benzo(b)fluoranthene	50 mg/Kg	U	1.8	U	2	U	1.9	U	0.67	J	1.3	J	2.0	J	130	E
Fluoranthene	100 mg/Kg	U	1.8	U	2	U	1.9	U	0.85	J	1.5	J	1.1	J	100	E
Total PCB's* ROD Criteria	500 mg/Kg		9.3		0.66		1.2		164		320		4.8		27	
4,4'-DDE	50 mg/Kg	U	0.15		0.12	U	0.11	U	3.8		6.0		0.12		0.53	
Aldrin	50 mg/Kg	U	0.055	U	0.059	U	0.056	U	1	U	1.4	U	0.058	U	0.12	U
Dieldrin	50 mg/Kg	U	0.14	P	0.12	U	0.11	U	2.6	P	4.1	P	0.11	U	0.49	

Legend:

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

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TODAYS DATE 1/12/2012	Sample Point	CD-S3-1-FL		DUP052610		CD-S3-1-SW		DUP2042610		CD-S4-1-FL		CD-S4-1-EW		CD-S5-1-FL		CD-S6-1-FL		CD-S7-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J1102-04		J1102-07		J0870-06		J0870-08		J1102-05		J0870-07		J1102-06		J1119-12		J1119-13	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J1102		J1102		J0870		J0870		J1102		J0870		J1102		J1119		J1119	
	Date Sampled	05/26/2010		05/26/2010		04/26/2010		04/26/2010		05/26/2010		04/26/2010		05/26/2010		05/27/2010		05/27/2010	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.29	U	0.29	U	0.29	U	0.27	U	0.26	U	0.31	U	0.26	U	0.24	U	0.34	U
Benzo(b)fluoranthene	50 mg/Kg	3.6	U	3.8	U	3.9	U	3.6	U	3.4	U	3.9	U	3.5	U	3.4	U	3.4	U
Fluoranthene	100 mg/Kg	3.6	U	3.8	U	3.9	U	3.6	U	3.4	U	3.9	U	3.5	U	3.4	U	3.4	U
Total PCB's* ROD Criteria	500 mg/Kg	92		59		1.91		0.62		U		U		U		U		U	
4,4'-DDE	50 mg/Kg	1.7	U	1.1	U	0.12	U	0.11	U	0.11	U	0.12	U	0.11	U	0.1	U	0.11	U
Aldrin	50 mg/Kg	0.87	U	0.58	U	0.06	U	0.058	U	0.055	U	0.063	U	0.054	U	0.052	U	0.055	U
Dieldrin	50 mg/Kg	1.7	U	1.1	U	0.12	U	0.11	U	0.11	U	0.12	U	0.11	U	0.1	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-S11-1-WW		CD-S12-1-WW		CD-S12-1-FL		CD-S13-2-FL		CD-S13-1-FL6'		CD-S13-1-NW		CD-S13-2-WW		CD-S14-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	H1910-04		H1910-05		J0423-02		J0565-03		J0892-07		J0628-01		J0674-02		J0403-02	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	H1910		H1910		J0423		J0565		J0892		J0628		J0674		J0403	
	Date Sampled	09/30/2009		09/30/2009		03/11/2010		03/25/2010		04/28/2010		04/01/2010		04/07/2010		03/10/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.005	U	0.0088	U	0.26		0.065	J	0.44	U	0.3	U	0.13	J	0.25	U
Benzo(b)fluoranthene	50 mg/Kg	1.1		1.8		2.0	J	4	U	3.9	U	3.9	U	1.5	J	3.5	U
Fluoranthene	100 mg/Kg	0.96		3.2		6.6		4	U	3.9	U	3.9	U	7.5		3.5	U
Total PCB's* ROD Criteria	500 mg/Kg	1.1		49		194		114		215		7.7		62		9.9	
4,4'-DDE	50 mg/Kg	0.0073	P	1.1		3.1		1.4		4.5		0.20		0.67		0.11	U
Aldrin	50 mg/Kg	0.002	U	0.17	U	0.6	U	0.61	U	0.61	U	0.06	U	0.49		0.055	U
Dieldrin	50 mg/Kg	0.0079	P	0.33	U	1.9	P	1.5		3.3	P	0.14	P	0.70	P	0.11	U

Legend:

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

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TODAYS DATE 1/12/2012	Sample Point	CD-S14-TP8'		CD-S14-1-WW		CD-S15-1-FL		CD-S16-1-FL		CD-S17-1-FL		CD-S18-1-FL		CD-S19-1-FL		CD-S20-1-FL		CD-S21-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J0674-03		J0423-05		J0685-01		J0685-02		J0685-10		J0685-12		J2398-04		J2431-05		K1218-03	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J0674		J0423		J0685		J0685		J0685		J0685		J2398		J2431		K1218	
	Date Sampled	04/07/2010		03/11/2010		04/08/2010		04/08/2010		04/08/2010		04/08/2010		11/18/2010		11/22/2010		07/11/2011	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.27	U	0.23	U	0.33	U	0.27	U	0.28	U	0.28	U	0.26	U	0.25	U	0.26	J
Benzo(b)fluoranthene	50 mg/Kg	3.6	U	3.7	U	3.9	U	3.9	U	3.9	U	3.9	U	3.5	U	3.5	U	3.3	U
Fluoranthene	100 mg/Kg	3.6	U	3.7	U	3.9	U	3.9	U	3.9	U	3.9	U	3.5	U	3.5	U	3.3	U
Total PCB's* ROD Criteria	500 mg/Kg	194		19		9.8		U		U		U		U		U		130	
4,4'-DDE	50 mg/Kg			0.46	U	0.25		0.12	U	0.12	U	0.12	U	0.1	U	0.11	U	3.8	
Aldrin	50 mg/Kg			0.23	U	0.058	U	0.061	U	0.06	U	0.06	U	0.053	U	0.056	U	0.99	U
Dieldrin	50 mg/Kg			0.46	U	0.17	P	0.12	U	0.12	U	0.12	U	0.1	U	0.11	U	4.0	P

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-S22-1-WW		CD-S22-1-NW		CD-S23-2-NW		S22-S28	CD-S39-2-FL		CD-S39-1-EW		CD-S39-1-NW		CD-S39-1-SW		CD-S40-1-FL	
	Validated/Preliminary	V		V		V			V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		Dug to Bedrock	FV		FV		FV		FV		FV	
	Lab ID	K1871-04		K1871-05		K1961-05		Clean sand	K0538-01		K0538-02		K0538-03		K0538-04		K0492-10	
	MEDIUM	SOIL		SOIL		SOIL		reached at	SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	K1871		K1871		K1961		S28 S29	K0538		K0538		K0538		K0538		K0492	
	Date Sampled	09/28/2011		09/28/2011		10/10/2011			04/06/2011		04/06/2011		04/06/2011		04/06/2011		03/31/2011	
Constituent	**Unit**																	
Trichloroethene	1 mg/Kg	0.28	U	0.33	U	0.25	U		0.26	U	0.082	J	0.3	U	0.32	U	0.50	
Benzo(b)fluoranthene	50 mg/Kg	1.9	U	2	U	1.7	U		3.5	U	3.5	U	3.4	U	3.3	U	0.43	
Fluoranthene	100 mg/Kg	1.9	U	2	U	1.7	U		3.5	U	3.5	U	3.4	U	3.3	U	0.50	
Total PCB's* ROD Criteria	500 mg/Kg	450		480		130			50		4.6		17.1		170		97	
4,4'-DDE	50 mg/Kg	5.9	U	5.8	U	4.9			0.96	U	0.11	U	0.21		2.7	U	1.6	
Aldrin	50 mg/Kg	3.1	U	3	U	0.98	U		0.49	U	0.054	U	0.052	U	1.4	U	0.53	
Dieldrin	50 mg/Kg	5.9	U	5.8	U	1.9	U		0.96	U	0.11	U	0.14	P	2.7	U	1.1	

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point		CD-S41-1-FL		CD-S41-1-EW	
	Validated/Preliminary		V		V	
	Final Ver/Waste Char		FV		FV	
	Lab ID		K0506-04		K0582-02	
	MEDIUM		SOIL		SOIL	
	Lab Group		K0506		K0582	
	Date Sampled		04/04/2011		04/11/2011	
Constituent	**Unit**					
Trichloroethene	1 mg/Kg		0.28	U	0.29	U
Benzo(b)fluoranthene	50 mg/Kg	J	3.4	U	3.7	U
Fluoranthene	100 mg/Kg	J	3.4	U	3.7	U
Total PCB's* ROD Criteria	500 mg/Kg		13.7		1.0	
4,4'-DDE	50 mg/Kg		0.20		0.11	U
Aldrin	50 mg/Kg	U	0.054	U	0.058	U
Dieldrin	50 mg/Kg	P	0.18	P	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

		Sample Point	CD-T3-1-FL		CD-T4-1-FL		CD-T5-1-FL		CD-T11-1-WW		CD-TU11-1-FL		CD-T12-1-FL		CD-T13-1-FL		CD-T13-1-FL6'		CD-T13-1-FL8	
		Validated/Preliminary	V		V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	J1102-01		J1102-02		J1102-03		H1910-03		J0423-01		J0390-04		J0390-03		J0892-05		J0968-07	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J1102		J1102		J1102		H1910		J0423		J0390		J0390		J0892		J0968	
		Date Sampled	05/26/2010		05/26/2010		05/26/2010		09/30/2009		03/11/2010		03/09/2010		03/09/2010		04/28/2010		05/10/2010	
Constituent	**Unit**																			
Trichloroethene	1	mg/Kg	0.28	U	0.28	U	0.27	U	0.0048	U	0.28	U	0.26	U	0.28	U	0.27	U	0.29	
Benzo(b)fluoranthene	50	mg/Kg	3.6	U	3.5	U	3.5	U	0.090	J	4.2	U	3.9	U	4.2	U	3.4	U	3.5	
Fluoranthene	100	mg/Kg	3.6	U	3.5	U	3.5	U	0.17	J	4.2	U	3.9	U	4.2	U	3.4	U	3.5	
Total PCB's* ROD Criteria	500	mg/Kg	U		12.5		2.06		0.51		U		22		1.92		280		296	
4,4'-DDE	50	mg/Kg	0.11	U	0.11	U	0.11	U	0.0038	U	0.13	U	0.21		0.12	U	11		12	
Aldrin	50	mg/Kg	0.058	U	0.074	P	0.054	U	0.002	U	0.065	U	0.058	U	0.062	U	1.1	U	2.9	
Dieldrin	50	mg/Kg	0.11	U	0.11	U	0.11	U	0.0042	P	0.13	U	0.11	U	0.12	U	6.6	P	7.0	

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

	Sample Point	CD-T13-1-WW		CD-T14-1-FL		CD-T14-1-WW		CD-T15-1-FL		CD-T16-1-FL		CD-T17-1-FL		CD-T18-1-FL		CD-T19-1-FL		CD-T20-1-FL
	Validated/Preliminary	V		V		V		V		V		V		V		V		V
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV
	Lab ID	J0892-06		J0403-03		J0423-06		J0685-03		J0685-04		J0685-11		J0685-13		J2398-05		K1218-01
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL
	Lab Group	J0892		J0403		J0423		J0685		J0685		J0685		J0685		J2398		K1218
	Date Sampled	04/28/2010		03/10/2010		03/11/2010		04/08/2010		04/08/2010		04/08/2010		04/08/2010		11/18/2010		07/11/2011
Constituent	**Unit**																	
Trichloroethene	1 mg/Kg	U	0.28	U	0.27	U	0.23	U	0.25	U	0.29	U	0.27	U	0.27	U	0.29	U	0.29
Benzo(b)fluoranthene	50 mg/Kg	U	3.6	U	3.8	U	3.8	U	3.6	U	3.9	U	3.7	U	3.7	U	3.7	U	3.7
Fluoranthene	100 mg/Kg	U	3.6	U	3.8	U	3.8	U	3.6	U	3.9	U	3.7	U	3.7	U	3.7	U	3.7
Total PCB's* ROD Criteria	500 mg/Kg		128		51		205		109		10.9		U		U		1.59		210
4,4'-DDE	50 mg/Kg		1.4		1.0		3.0		1.5		0.11		0.11	U	0.11	U	0.11	U	2.6
Aldrin	50 mg/Kg	U	0.27	U	0.28	U	0.61	U	0.52	P	0.084		0.057	U	0.057	U	0.058	U	0.053
Dieldrin	50 mg/Kg	P	1.7	P	0.78	P	1.3	P	0.96	P	0.11	U	0.11	U	0.11	U	0.11	U	0.86

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

	Sample Point			CD-T21-4-WW (Includes rows T22-T29)		CD-T38-1-FL		CD-T39-1-FL		CD-T40-1-FL		CD-T41-1-FL		CD-T42-1-EW			
	Validated/Preliminary			V		V		V		V		V		V			
	Final Ver/Waste Char			FV		FV		FV		FV		FV		FV			
	Lab ID			K2095-01		J0747-07		J0652-01		J0747-01		J0747-02		J0726-01			
	MEDIUM			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL			
	Lab Group			K2095		J0747		J0652		J0747		J0747		J0726			
	Date Sampled			10/20/2011		4/14/2010		04/05/2010		04/14/2010		04/14/2010		04/13/2010			
Constituent	**Unit**																	
Trichloroethene	1	mg/Kg	U	0.33	U	0.31	U	0.23	U	0.28	U	0.26	U	0.3	U			
Benzo(b)fluoranthene	50	mg/Kg	U	1.8	U	3.4	U	3.5	U	0.63	J	1.4	J	3.9	U			
Fluoranthene	100	mg/Kg	U	0.75	J	3.4	U	0.41	J	0.63	J	0.89	J	3.9	U			
Total PCB's* ROD Criteria	500	mg/Kg		270		34		44		100		43		U				
4,4'-DDE	50	mg/Kg	E	7.5		0.54	P	0.79		0.85	U	0.60	P	0.12	U			
Aldrin	50	mg/Kg	U	2.9	U	0.26	U	0.21	U	0.44	U	0.27	U	0.06	U			
Dieldrin	50	mg/Kg	P	5.7	U	0.69	P	0.51	P	0.85	U	0.52	U	0.12	U			

Legend:

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-U11-1-WW		CD-U-12-2-FL		CD-U12-2-NW		CD-U12-1-WW7		CD-U12-1-NW7		CD-U12-3-WW		CD-U12-1-SW		CD-U13-3-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	H1910-02		J0565-01		J0661-01		J0968-05		J0968-06		J0747-10		J0628-06		J0628-10	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	H1910		J0565		J0661		J0968		J0968		J0747		J0628		J0628	
	Date Sampled	09/30/2009		03/25/2010		04/06/2010		05/10/2010		05/10/2010		04/14/2010		04/01/2010		04/01/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.034		0.25	U	0.31	U	0.26	U	0.28	U	0.3	U	0.3	U	0.31	U
Benzo(b)fluoranthene	50 mg/Kg	0.42	U	3.8	U	3.9	U	3.6	U	2.0	J	3.8	U	3.7	U	3.6	U
Fluoranthene	100 mg/Kg	0.070	J	3.8	U	3.9	U	3.6	U	4.9		3.8	U	3.7	U	3.6	U
Total PCB's* ROD Criteria	500 mg/Kg	31		480		81		360		370		63		1.3		269	
4,4'-DDE	50 mg/Kg	0.19		6.0		0.25	P	14		8.6		0.55	U	0.11	U	4.6	
Aldrin	50 mg/Kg	0.043	U	1.2	U	0.48	P	3.7	P	2.9	U	0.29	U	0.056	U	0.55	P
Dieldrin	50 mg/Kg	0.10	P	5.7		0.29	P	8.5	P	5.6	U	0.63	P	0.11	U	3.0	P

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

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TODAYS DATE 1/12/2012	Sample Point	CD-U13-1-NW		CD-U13-1-WW		CD-U13-1-SW		CD-U14-2-FL		CD-U14-2-WW		CD-U14-1-NW		CD-U14-1-EW		CD-U15-1-FL		CD-U16-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J0628-07		J0628-08		J0628-09		J0702-07		J0628-11		J0702-05		J0702-06		J0685-05		J0685-06	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J0628		J0628		J0628		J0702		J0628		J0702		J0702		J0685		J0685	
	Date Sampled	04/01/2010		04/01/2010		04/01/2010		04/09/2010		04/01/2010		04/09/2010		04/09/2010		04/08/2010		04/08/2010	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.3	U	0.31	U	0.29	U	0.26	U	0.28	U	0.28	U	0.31	U	0.19	J	0.28	U
Benzo(b)fluoranthene	50 mg/Kg	3.5	U	3.8	U	3.9	U	3.8	U	3.6	U	3.8	U	4	U	3.8	U	3.6	U
Fluoranthene	100 mg/Kg	3.5	U	3.8	U	3.9	U	3.8	U	3.6	U	3.8	U	4	U	3.8	U	3.6	U
Total PCB's* ROD Criteria	500 mg/Kg	430		14.6		U		260		166		78		116		92		17.8	
4,4'-DDE	50 mg/Kg	11		0.22		0.11	U	3.1	P	2.9		0.75	P	1.1	U	1.4		0.25	
Aldrin	50 mg/Kg	2.8	U	0.055	U	0.057	U	1.1	U	0.56	U	0.3	U	0.59	U	0.12	U	0.061	P
Dieldrin	50 mg/Kg	7.7	P	0.16	P	0.11	U	3.6	P	1.9	P	0.88	P	1.3	P	0.87	P	0.16	P

Legend:

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J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

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TODAYS DATE 1/12/2012	Sample Point	CD-U17-1-FL		CD-U18-1-FL		CD-U19-1FL		CD-U20-2-FL		CD-U20-1-NW		CD-U20-1-WW		U21-U29	CD-TU38-1-FL		CD-U39-1-FL	
	Validated/Preliminary	V		V		V		V		V		V			V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		Dug to Bedrock	FV		FV	
	Lab ID	J0685-12		J0762-01		J2595-04		K1858-01		K1858-02		K1858-03		Clean sand	J0747-07		J0652-02	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		reached at	SOIL		SOIL	
	Lab Group	J0685		J0762		J2595		K1858		K1858		K1858		U30	J0747		J0652	
	Date Sampled	04/08/2010		04/15/2010		12/13/2010		09/27/2011		09/27/2011		09/27/2011			04/14/2010		04/05/2010	
Constituent	**Unit**																	
Trichloroethene	1 mg/Kg	0.28	U	0.28	U	0.34	U	0.31	U	0.33	U	0.89			0.31	U	0.27	U
Benzo(b)fluoranthene	50 mg/Kg	3.8	U	3.8	U	3.8	U	1.8	U	1.8	U	1.9	U		3.4	U	3.4	U
Fluoranthene	100 mg/Kg	3.8	U	3.8	U	3.8	U	1.8	U	1.8	U	1.9	U		3.4	U	3.4	U
Total PCB's* ROD Criteria	500 mg/Kg	350		31		50		16.5		490		308			34		4.9	
4,4'-DDE	50 mg/Kg	7.0		0.57	U	0.54	U	0.11	U	2.7	PE	3.5	U		0.54	P	0.10	
Aldrin	50 mg/Kg	1.2	U	0.29	U	0.28	U	0.057	U	0.15	P	1.8	U		0.26	U	0.051	U
Dieldrin	50 mg/Kg	4.6	P	0.57	U	0.54	U	0.11	U	1.5		3.5	U		0.69	P	0.099	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-U40-1-FL		CD-U41-1-FL		CD-U42-1-EW	
		Validated/Preliminary	V		V		V	
		Final Ver/Waste Char	FV		FV		FV	
		Lab ID	J0747-03		J0747-04		J0726-02	
		MEDIUM	SOIL		SOIL		SOIL	
		Lab Group	J0747		J0747		J0726	
		Date Sampled	04/14/2010		04/14/2010		04/13/2010	
Constituent	**Unit**							
Trichloroethene	1 mg/Kg		0.38	U	0.28	U	0.55	U
Benzo(b)fluoranthene	50 mg/Kg		3.5	U	3.4	U	4.6	U
Fluoranthene	100 mg/Kg		0.77	J	0.81	J	4.6	U
Total PCB's* ROD Criteria	500 mg/Kg		156		22.1		0.96	
4,4'-DDE	50 mg/Kg		1.9	P	0.17		0.14	U
Aldrin	50 mg/Kg		0.55	U	0.054	U	0.071	U
Dieldrin	50 mg/Kg		2.5	P	0.29	P	0.14	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

	Sample Point	CD-V9-1-FL		CD-V9-1-NW		CD-V10-1-WW		CD-V11-1-FL		CD-V12-1-FL		CD-V13-1-FL		CD-V14-2-FL		CD-V14-1-SW		CD-V14-1-WW	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	H2159-06		H2159-07		H1910-01		H2094-01		H1993-01		H2012-02		J0702-04		J0702-01		J0702-02	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	H2159		H2159		H1910		H2094		H1993		H2012		J0702		J0702		J0702	
	Date Sampled	10/29/2009		10/29/2009		09/30/2009		10/21/2009		10/12/2009		10/13/2009		04/09/2010		04/09/2010		04/09/2010	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.0033	BJ	0.0041	BJ	0.0047	U	0.071		0.0057	U	0.0049	U	0.37	U	0.33	U	0.27	U
Benzo(b)fluoranthene	50 mg/Kg	0.39	U	0.28	J	0.75		0.39	U	0.37	U	0.4	U	4.2	U	3.9	U	3.8	U
Fluoranthene	100 mg/Kg	0.39	U	0.41		1.8		0.39	U	0.37	U	0.091	J	4.2	U	3.9	U	3.8	U
Total PCB's* ROD Criteria	500 mg/Kg	U		130		0.64		97		0.089		2.0		160		210		17.9	
4,4'-DDE	50 mg/Kg	0.0039	U	0.69	E	0.0073	P	1.4	P	0.0037	U	0.029	P	2.4	U	2.4	P	0.18	P
Aldrin	50 mg/Kg	0.002	U	0.002	U	0.0019	U	0.4	U	0.0019	U	0.01	U	1.3	U	1.2	U	0.055	U
Dieldrin	50 mg/Kg	0.0039	U	0.80	E	0.0077	P	2.0	P	0.0037	U	0.035	P	3.0	P	3.5	P	0.23	P

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

		Sample Point	CD-V14-3-EW		CD-V15-1-FL		CD-V16-1-FL		CD-V17-1-FL		CD-V18-1-FL		CD-V-19-1-FL		CD-V20 through V29-1-WW		CD-V26-1-FL	
		Validated/Preliminary	V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	J0892-04		J0685-07		J0685-08		J0685-13		J0762-02		J0762-03		K1871-02		K0392-03	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J0892		J0685		J0685		J0685		J0762		J0762		K1871		K0392	
		Date Sampled	04/28/2010		04/08/2010		04/08/2010		04/08/2010		04/15/2010		04/15/2010		09/28/2011		03/15/2011	
Constituent		**Unit**																
Trichloroethene	1	mg/Kg	0.34	U	0.44	U	0.055	J	0.3	U	0.24	U	0.29	U	0.3	U	0.33	U
Benzo(b)fluoranthene	50	mg/Kg	3.8	U	4.3	U	3.7	U	3.9	U	3.5	U	3.6	U	1.8	U	4	U
Fluoranthene	100	mg/Kg	3.8	U	4.3	U	3.7	U	3.9	U	3.5	U	3.6	U	1.8	U	4	U
Total PCB's* ROD Criteria	500	mg/Kg	350		204		15.3		U		30		320		4.1		41	
4,4'-DDE	50	mg/Kg	16		3.4		0.26		0.12	U	0.16	P	3.2	U	0.11	U	0.92	
Aldrin	50	mg/Kg	2.4	U	0.68	U	0.057	U	0.061	U	0.18	P	1.9	P	0.058	U	0.24	U
Dieldrin	50	mg/Kg	8.0	P	2.1	P	0.16	P	0.12	U	0.28	P	3.2	U	0.11	U	0.25	PJ

Legend:
U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).
J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).
R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.
N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.
JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.
E- The value is above quantitation range.
B-Analyte detected in method blank.
A failed sample is denoted by a border surrounding the value and bolded text

		Sample Point	CD-V38-1-FL		CD-V39-1-FL		CD-V40-1-FL		CD-V41-1-FL		CD-V42-1-EW	
		Validated/Preliminary	V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV	
		Lab ID	J0652-04		J0652-03		J0747-05		J0747-06		J0726-03	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J0652		J0652		J0747		J0747		J0726	
		Date Sampled	04/05/2010		04/05/2010		04/14/2010		04/14/2010		04/13/2010	
Constituent	**Unit**											
Trichloroethene	1 mg/Kg		0.23	U	0.27	U	0.28	U	0.28	U	0.29	U
Benzo(b)fluoranthene	50 mg/Kg		0.62	J	3.7	U	3.3	U	3.7	U	3.5	U
Fluoranthene	100 mg/Kg		0.45	J	0.48	J	0.40	J	3.7	U	3.5	U
Total PCB's* ROD Criteria	500 mg/Kg		54		39		48		190		0.79	
4,4'-DDE	50 mg/Kg		0.93		0.44	U	0.47	P	1.1	P	0.1	U
Aldrin	50 mg/Kg		0.25	U	0.23	U	0.21	U	0.53	U	0.054	U
Dieldrin	50 mg/Kg		0.57	P	0.45	P	0.64	P	1.6	P	0.1	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-W9-1-WW		CD-W9-1-FL		DUP101209		CD-W10-1-FL		CD-W11-1-FL		CD-W12-1-FL		CD-W13-2-FL		CD-W13-1-WW		DUP2102109
	Validated/Preliminary	V		V		V		V		V		V		V		V		V
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV
	Lab ID	H1897-06		H1993-08		H1993-09		H1993-06		H1993-04		H1993-02		H2094-04		H2094-02		H2094-14
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL
	Lab Group	H1897		H1993		H1993		H1993		H1993		H1993		H2094		H2094		H2094
	Date Sampled	09/29/2009		10/12/2009		10/12/2009		10/12/2009		10/12/2009		10/12/2009		10/21/2009		10/21/2009		10/21/2009
Constituent	**Unit**																	
Trichloroethene	1 mg/Kg	0.0019	J	0.0019	J	0.0020	J	0.0019	J	0.038		0.0061	U	0.0061	U	0.0068	U	0.0058
Benzo(b)fluoranthene	50 mg/Kg	4.4		0.35	U	0.36	U	0.36	U	0.37	U	0.38	U	0.39	U	0.39	U	0.39
Fluoranthene	100 mg/Kg	6.5	E	0.35	U	0.36	U	0.36	U	0.37	U	0.38	U	0.39	U	0.39	U	0.39
Total PCB's* ROD Criteria	500 mg/Kg	62		3.8		3.4		0.063		0.20		0.22		55		1.1		0.27
4,4'-DDE	50 mg/Kg	2.5		0.13		0.089		0.0036	U	0.0051		0.0038	U	1.4	P	0.012	P	0.0039
Aldrin	50 mg/Kg	0.2	U	0.037	U	0.018	U	0.0019	U	0.0019	U	0.002	U	0.4	U	0.002	U	0.002
Dieldrin	50 mg/Kg	1.2	P	0.14	P	0.079	P	0.0036	U	0.0041	P	0.0038	U	2.1	P	0.016	P	0.0039

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

Comments: *For W-14 South Wall re-samples, see X-14 South Wall samples

* For W-14 West Wall re-samples, see W-13 West Wall samples

TODAYS DATE 1/12/2012	Sample Point	CD-W13-1-WW 4-6'		CD-W13-1-NW		CD-W14-1-EW		CD-W14-1-NW		CD-W15-1-FL		CD-W16-1-FL		CD-W17-1-FL		CD-W18-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	H2233-01		H2094-03		H2094-10		H2094-11		H2026-02		H2055-01		H2055-02		H2226-01	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	H2233		H2094		H2094		H2094		H2026		H2055		H2055		H2226	
	Date Sampled	11/10/2009		10/21/2009		10/21/2009		10/21/2009		10/14/2009		10/15/2009		10/15/2009		11/09/2009	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	U	0.0023	BJ	0.0061	U	0.0061	U	0.0064	U	0.0049	U	0.0013	J	0.0045	U	0.0043	J
Benzo(b)fluoranthene	50 mg/Kg	U	0.38	U	0.38	U	0.39	U	0.39	U	0.38	U	0.38	U	0.37	U	0.38	U
Fluoranthene	100 mg/Kg	U	0.38	U	0.38	U	0.39	U	0.39	U	0.38	U	0.38	U	0.37	U	0.068	J
Total PCB's* ROD Criteria	500 mg/Kg		2.6		3.1		0.69		31		0.15		0.073		2.27		32	
4,4'-DDE	50 mg/Kg	U	0.081		0.040	P	0.012	P	0.49	P	0.0043		0.0038	U	0.011	P	0.32	P
Aldrin	50 mg/Kg	U	0.02	U	0.016	U	0.002	U	0.2	U	0.002	U	0.0019	U	0.0019	U	0.098	U
Dieldrin	50 mg/Kg	U	0.038	U	0.064	P	0.013	P	0.73	P	0.0038	U	0.0038	U	0.0099	P	0.47	P

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-W18-1-SW		CD-W19-1-FL		CD-W20-2-FL		CD-W20-1-WW		CD-W20-3-WW15		CD-W20-1-EW		CD-W22-1-FL	
		Validated/Preliminary	V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
		Lab ID	J0674-01		H2226-02		J1857-01		J1823-04		K1871-01		J1857-03		J1978-04	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J0674		H2226		J1857		J1823		K1871		J1857		J1978	
		Date Sampled	04/07/2010		11/09/2009		09/24/2010		09/20/2010		09/28/2011		09/24/2010		10/11/2010	
Constituent	**Unit**															
Trichloroethene	1 mg/Kg		0.27	U	0.027		0.27	U	0.28	U	0.37	U	0.35		0.18	J
Benzo(b)fluoranthene	50 mg/Kg		3.8	U	0.071	J	3.9	U	3.6	U	1.9	U	3.8	U	3.6	U
Fluoranthene	100 mg/Kg		3.8	U	0.12	J	3.9	U	3.6	U	1.9	U	3.8	U	3.6	U
Total PCB's* ROD Criteria	500 mg/Kg		U		210		101		220		49.7		430		111	
4,4'-DDE	50 mg/Kg		0.12	U	1.6	U	1.1	U	3.1		0.77	U	4.9		1.3	
Aldrin	50 mg/Kg		0.059	U	0.82	U	0.59	U	1.5	U	0.4	U	1.8	U	0.56	U
Dieldrin	50 mg/Kg		0.12	U	1.6	U	1.1	U	2.9	U	0.77	U	3.8	P	1.1	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-W23W24W25W26-1-EW		CD-W27-1FV-FL		CD-W28-1-FL		CD-W28-1-EW		CD-W31-1-FL		DUP010311		CD-W32-1-FL		CD-W38-2-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	K0359-01		K0359-02		K0359-03		K0340-17		K0010-01		K0010-05		K0010-02		J0710-01	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	K0359		K0359		K0359		K0340		K0010		K0010		K0010		J0710	
	Date Sampled	03/09/2011		03/09/2011		03/09/2011		03/04/2011		01/03/2011		01/03/2011		01/03/2011		04/12/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.095	J	0.076	J	0.31	U	0.33	U	0.25	U	0.27	U	0.27	U	0.24	U
Benzo(b)fluoranthene	50 mg/Kg	3.3	U	3.6	U	3.8	U	3.8	U	3.6	U	3.5	U	3.5	U	3.5	U
Fluoranthene	100 mg/Kg	3.3	U	3.6	U	3.8	U	3.8	U	3.6	U	3.5	U	3.5	U	3.5	U
Total PCB's* ROD Criteria	500 mg/Kg	8.5		17.8		0.67		1.4		3.1		U		U		1.2	
4,4'-DDE	50 mg/Kg	0.20		0.48		0.12	U	0.11	U	0.11	U	0.1	U	0.1	U	0.099	U
Aldrin	50 mg/Kg	0.053	U	0.058	U	0.06	U	0.058	U	0.055	U	0.052	U	0.053	U	0.051	U
Dieldrin	50 mg/Kg	0.14	P	0.36	P	0.12	U	0.11	U	0.11	U	0.1	U	0.1	U	0.099	U

Legend:

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-W38-1-SW		CD-W38-1-EW		CD-W38-1-NW		CD-W39-1-FL		CD-W40-1-FL		CD-W41-1-FL		CD-W42-1-FL		CD-W42-1-EW	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J0710-02		J0710-03		J0710-04		J0652-05		J0182-01		J0182-02		J0215-01		J0726-04	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J0710		J0710		J0710		J0652		J0182		J0182		J0215		J0726	
	Date Sampled	04/12/2010		04/12/2010		04/12/2010		04/05/2010		02/01/2010		02/01/2010		02/08/2010		04/13/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.34	U	0.21	U	0.34	U	0.24	U	0.29	U	0.46	U	0.37	U	0.32	U
Benzo(b)fluoranthene	50 mg/Kg	3.6	U	3.4	U	3.8	U	3.8	U	3.2	U	3.4	U	4	U	4	U
Fluoranthene	100 mg/Kg	3.6	U	3.4	U	3.8	U	3.8	U	3.2	U	3.4	U	4	U	0.90	J
Total PCB's* ROD Criteria	500 mg/Kg	0.93		1.8		5.6		U		0.61		0.79		2.6		1.2	
4,4'-DDE	50 mg/Kg	0.11	U	0.097	U	0.11	U	0.12	U	0.1	U	0.1	U	0.11	U	0.12	U
Aldrin	50 mg/Kg	0.056	U	0.05	U	0.059	U	0.06	U	0.053	U	0.052	U	0.057	U	0.062	U
Dieldrin	50 mg/Kg	0.11	U	0.097	U	0.11	U	0.12	U	0.1	U	0.1	U	0.11	U	0.12	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-X9-1-WW		CD-X10-1-FL		CD-X11-1-FL		CD-X12-1-FL		CD-X13-3-FL		CD-X13-1-EW		CD-X13-1-SW		CD-X13-1-WW		CD-X14-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	H1897-05		H1993-07		H1993-05		H1993-03		H2182-01		H2094-05		H2094-06		H2094-07		H2012-05	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	H1897		H1993		H1993		H1993		H2182		H2094		H2094		H2094		H2012	
	Date Sampled	09/29/2009		10/12/2009		10/12/2009		10/12/2009		11/03/2009		10/21/2009		10/21/2009		10/21/2009		10/13/2009	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.0048	U	0.0045	U	0.0031	J	0.0055	U			0.018		0.0016	J	0.0051	U	0.014	
Benzo(b)fluoranthene	50 mg/Kg	0.088	J	0.36	U	0.36	U	0.41	U	0.41	U	0.39	U	0.39	U	0.38	U	0.39	U
Fluoranthene	100 mg/Kg	0.10	J	0.36	U	0.36	U	0.41	U	0.41	U	0.39	U	0.39	U	0.38	U	0.39	U
Total PCB's* ROD Criteria	500 mg/Kg	16		U		0.19		0.076		230		98		460		2.1		0.81	
4,4'-DDE	50 mg/Kg	0.71		0.0037	U	0.0055		0.0042	U	4.2	P	2.5	P	4.6	P	0.037	P	0.019	U
Aldrin	50 mg/Kg	0.11	U	0.0019	U	0.0018	U	0.0022	U	1.1	U	1.2	U	2	U	0.016	U	0.0099	U
Dieldrin	50 mg/Kg	0.55	P	0.0037	U	0.0059	P	0.0042	U	5.9	P	4.1	P	10	P	0.062	P	0.019	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

Comments: *X-14 South Wall samples contine the re-sampling of W-14 Sou

TODAYS DATE 1/12/2012	Sample Point	CD-X14-2-SW		CD-X14-1-EW		CD-X15-1-FL		CD-X16-1-FL		CD-X17-1-FL		CD-X18-1-FL		X-18		CD-X19-1-FL		CD-X20-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		WC		FV		FV	
	Lab ID	H2329-01		H2233-04		H2026-03		H2055-03		H2055-04		H2226-03		MB0075		H2226-04		J1823-02	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	H2329		H2233		H2026		H2055		H2055		H2226		MB0069		H2226		J1823	
	Date Sampled	11/16/2009		11/10/2009		10/14/2009		10/15/2009		10/15/2009		11/09/2009		06/16/2009		11/09/2009		09/20/2010	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.28	U	0.29	U	0.0013	J	0.0054	U	0.0054	U	0.0014	J	0.0065	U	0.0013	J	0.32	U
Benzo(b)fluoranthene	50 mg/Kg	0.38	U	3.8	U	0.37	U	0.067	J	0.38	U	0.4	U	22		4.1	U	3.8	U
Fluoranthene	100 mg/Kg	0.38	U	3.8	U	0.37	U	0.12	J	0.38	U	0.4	U	37		4.1	U	3.8	U
Total PCB's* ROD Criteria	500 mg/Kg	0.82		1.9		1.4		3.2		0.043		0.041		38		3.2		144	
4,4'-DDE	50 mg/Kg	0.11	U	0.11	U	0.056		0.050	P	0.0039	U	0.0039	U	1.4	E	0.10		1.8	
Aldrin	50 mg/Kg	0.056	U	0.059	U	0.015	U	0.016	U	0.002	U	0.002	U	0.021	U	0.022	U	0.9	U
Dieldrin	50 mg/Kg	0.11	U	0.11	U	0.048		0.076	P	0.0039	U	0.0039	U	0.96	EP	0.042	U	1.7	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-X20-1-WW	CD-X21-1-FL	CD-X22-1-FL	CD-X23-1-FL	CD-X24X25X26-1-EW	CD-X24X25X26-1-SW	CD-X27-1FV-FL	CD-X28-1-FL
	Validated/Preliminary	V	V	V	V	V	V	V	V
	Final Ver/Waste Char	FV	FV	FV	FV	FV	FV	FV	FV
	Lab ID	J1609-01	J1978-01	J1978-02	J2015-01	K0359-04	K0359-05	K0359-06	K0359-07
	MEDIUM	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Lab Group	J1609	J1978	J1978	J2015	K0359	K0359	K0359	K0359
	Date Sampled	08/16/2010	10/11/2010	10/11/2010	10/13/2010	03/09/2011	03/09/2011	03/09/2011	03/09/2011
Constituent	**Unit**								
Trichloroethene	1 mg/Kg	0.27 U	0.31 U	0.25 U	0.33 U	0.27 U	0.27 U	0.090 J	0.13 U
Benzo(b)fluoranthene	50 mg/Kg	3.5 U	3.6 U	3.6 U	4.1 U	3.7 U	3.4 U	3.3 U	3.6 U
Fluoranthene	100 mg/Kg	3.5 U	3.6 U	3.6 U	4.1 U	3.7 U	3.4 U	3.3 U	3.6 U
Total PCB's* ROD Criteria	500 mg/Kg	U	184	60	56	15.6	8.1	21.7	U
4,4'-DDE	50 mg/Kg	0.11 U	3.1 U	0.80 U	0.61 U	0.23 U	0.13 U	0.53 U	0.11 U
Aldrin	50 mg/Kg	0.057 U	0.52 U	0.28 U	0.31 U	0.056 U	0.054 U	0.053 U	0.057 U
Dieldrin	50 mg/Kg	0.11 U	1 U	0.54 U	0.61 U	0.16 P	0.1 U	0.39 P	0.11 U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-X28-1-EW		CD-X31-1-FL		CD-X32-1-FL		CD-X33-1-FL		CD-X34-1-FL		CD-X353637-1-FL		CD-X38-1-FL		CD-X39-1-FL		CD-X40-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	K0340-16		K0010-03		K0010-04		J0355-01		J0355-02		J0747-08		J0652-08		J0652-07		J0215-02	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	K0340		K0010		K0010		J0355		J0355		J0747		J0652		J0652		J0215	
	Date Sampled	03/04/2011		01/03/2011		01/03/2011		03/04/2010		03/04/2010		04/14/2010		04/05/2010		04/05/2010		02/08/2010	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	J	0.3	U	0.26	U	0.27	U	0.23	U	0.26	U	0.3	U	0.26	U	0.29	U	0.35	U
Benzo(b)fluoranthene	50 mg/Kg	U	3.7	U	3.4	U	3.6	U	3.9	U	4.1	U	3.7	U	3.8	U	3.9	U	3.7	U
Fluoranthene	100 mg/Kg	U	3.7	U	3.4	U	3.6	U	3.9	U	4.1	U	3.7	U	3.8	U	3.9	U	3.7	U
Total PCB's* ROD Criteria	500 mg/Kg		0.84		U		U		9.1		27		6.8		U		9.2		0.75
4,4'-DDE	50 mg/Kg	U	0.11	U	0.11	U	0.11	U	0.15		0.46		0.11	U	0.12	U	0.15		0.11	U
Aldrin	50 mg/Kg	U	0.056	U	0.057	U	0.055	U	0.06	U	0.092		0.057	U	0.06	U	0.06	U	0.057	U
Dieldrin	50 mg/Kg	U	0.11	U	0.11	U	0.11	U	0.12		0.33		0.11	U	0.12	U	0.12	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

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R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-X41-1-FL		CD-X42-1-FL		CD-X42-1-EW	
	Validated/Preliminary	V		V		V	
	Final Ver/Waste Char	FV		FV		FV	
	Lab ID	J0182-03		J0182-04		J0726-05	
	MEDIUM	SOIL		SOIL		SOIL	
	Lab Group	J0182		J0182		J0726	
	Date Sampled	02/01/2010		02/01/2010		04/13/2010	
Constituent	**Unit**						
Trichloroethene	1 mg/Kg	0.34	U	0.39	U	0.3	U
Benzo(b)fluoranthene	50 mg/Kg	3.2	U	3.5	U	3.9	U
Fluoranthene	100 mg/Kg	3.2	U	3.5	U	3.9	U
Total PCB's* ROD Criteria	500 mg/Kg	U		2.4		0.85	
4,4'-DDE	50 mg/Kg	0.1	U	0.11	U	0.11	U
Aldrin	50 mg/Kg	0.053	U	0.054	U	0.058	U
Dieldrin	50 mg/Kg	0.1	U	0.11	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-Y9-1-SW		CD-Y10-1-SW		CD-Y11-1-SW		CD-Y12-1-FL		CD-Y13-1-FL		CD-Y14-1-FL		CD-Y15-1-FL		CD-Y16-1-FL	
		Validated/Preliminary	V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	H1719-01		H1719-02		H1719-03		H1889-13		H1897-04		H1897-03		H1931-01		H1978-01	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	H1719		H1719		H1719		H1889		H1897		H1897		H1931		H1978	
		Date Sampled	09/03/2009		09/03/2009		09/03/2009		09/28/2009		09/29/2009		09/29/2009		10/01/2009		10/08/2009	
Constituent	**Unit**																	
Trichloroethene	1	mg/Kg	0.0012	J	0.0077		0.0074		0.0052	U	0.0051	U	0.0047	U	0.0048	U	0.0051	U
Benzo(b)fluoranthene	50	mg/Kg	4.7		0.79		0.73		0.4	U	0.39	U	0.44		0.36	U	0.36	U
Fluoranthene	100	mg/Kg	8.3	E	0.63		1.2		0.4	U	0.040	J	0.44		0.36	U	0.36	U
Total PCB's* ROD Criteria	500	mg/Kg	19		17		9.7		U		8.9		3.2		0.075		U	
4,4'-DDE	50	mg/Kg	0.38	U	0.092	U	0.19	U	0.0041	U	0.18	P	0.13		0.0037	U	0.0037	U
Aldrin	50	mg/Kg	0.19	U	0.047	U	0.099	U	0.0021	U	0.061	U	0.039	U	0.0019	U	0.0019	U
Dieldrin	50	mg/Kg	0.59	P	0.11	P	0.29	P	0.0041	U	0.28	P	0.11	P	0.0037	U	0.0037	U

Legend:

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

Comments: *

TODAYS DATE 1/12/2012		Sample Point	CD-Y17-1-FL		CD-Y18-1-FL		CD-Y19-1-FL		CD-Y20-1-FL		CD-Y20-1-WW		CD-Y20-1-SW		CD-Y21-1-FL		CD-Y21-1-SW		CD-Y22-1-FL	
		Validated/Preliminary	V		V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	H1978-02		H1947-03		H1947-04		J1823-03		J1609-02		J1609-03		J1838-01		J1838-02		J1838-03	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	H1978		H1947		H1947		J1823		J1609		J1609		J1838		J1838		J1838	
		Date Sampled	10/08/2009		10/05/2009		10/05/2009		09/20/2010		08/16/2010		08/16/2010		09/22/2010		09/22/2010		09/22/2010	
Constituent	**Unit**																			
Trichloroethene	1	mg/Kg	0.0047	U	0.0053	U	0.0059	U	0.29	U	0.28	U	0.27	U	0.28	U	0.31	U	0.28	
Benzo(b)fluoranthene	50	mg/Kg	0.37	U	0.4	U	0.42	U	3.5	U	3.7	U	3.7	U	3.6	U	3.4	U	3.3	
Fluoranthene	100	mg/Kg	0.37	U	0.11	J	0.42	U	3.5	U	3.7	U	3.7	U	3.6	U	3.4	U	3.3	
Total PCB's* ROD Criteria	500	mg/Kg	U		0.27		1.1		2.7		U		6.5		U		11.8		1.87	
4,4'-DDE	50	mg/Kg	0.0038	U	0.0098		0.034		0.1	U	0.1	U	0.16		0.11	U	0.19		0.099	
Aldrin	50	mg/Kg	0.002	U	0.0021	U	0.011	U	0.053	U	0.054	U	0.055	U	0.058	U	0.051	U	0.051	
Dieldrin	50	mg/Kg	0.0038	U	0.0055		0.028		0.1	U	0.1	U	0.12	P	0.11	U	0.15	P	0.099	

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B-Analyte detected in method blank.

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TODAYS DATE 1/12/2012	Sample Point	CD-Y23-1-FL		CD-Y24-1-FL		CD-Y25-1-EW		CD-Y26-1FV-FL		CD-Y27-1FV-FL		CD-Y28-1-FL		CD-Y28-1-EW		CD-Y29-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J1838-05		J1838-07		K0359-09		K0359-08		K0340-13		K0340-14		K0340-15		J1707-01	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J1838		J1838		K0359		K0359		K0340		K0340		K0340		J1707	
	Date Sampled	09/22/2010		09/22/2010		03/09/2011		03/09/2011		03/04/2011		03/04/2011		03/04/2011		09/01/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	U	0.21	U	0.31	U	0.33	U	0.29	U	0.24	U	0.25	U	0.27	U	0.27	U
Benzo(b)fluoranthene	50 mg/Kg	U	3.2	U	3.7	U	3.6	U	3.4	U	3.5	U	3.8	U	3.6	U	3.8	U
Fluoranthene	100 mg/Kg	U	3.2	U	3.7	U	3.6	U	3.4	U	3.5	U	3.8	U	3.6	U	3.8	U
Total PCB's* ROD Criteria	500 mg/Kg		4.3		U		5.3		35		9.3		1.2		U		0.63	
4,4'-DDE	50 mg/Kg	U	0.1	U	0.11	U	0.11	U	1.0		0.21		0.11	U	0.11	U	0.11	U
Aldrin	50 mg/Kg	U	0.052	U	0.057	U	0.058	U	0.052	U	0.056	U	0.057	U	0.059	U	0.057	U
Dieldrin	50 mg/Kg	U	0.1	U	0.11	U	0.11	U	0.27	P	0.11	U	0.11	U	0.11	U	0.11	U

Legend:

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J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

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JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012		Sample Point	CD-Y30-1-FL		CD-Y31-1-FL		CD-Y33-1-FL		CD-Y33-1-WW		CD-Y34-1-FL		CD-Y35-1-FL		CD-Y36-1-FL		CD-Y37-1-FL		CD-Y38-1-FL	
		Validated/Preliminary	V		V		V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
		Lab ID	J1707-02		J1707-03		J0355-03		J0383-04		J0355-04		J0289-01		J0265-07		J0265-06		J0215-03	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	J1707		J1707		J0355		J0383		J0355		J0289		J0265		J0265		J0215	
		Date Sampled	09/01/2010		09/01/2010		03/04/2010		03/08/2010		03/04/2010		02/23/2010		02/18/2010		02/18/2010		02/08/2010	
Constituent	**Unit**																			
Trichloroethene	1 mg/Kg		0.26	U	0.26	U	0.23	U	0.28	U	0.26	U	0.27	U	0.27	U	0.3	U	0.25	U
Benzo(b)fluoranthene	50 mg/Kg		3.8	U	3.7	U	4	U	3.7	U	3.8	U	3.9	U	3.9	U	3.9	U	3.6	U
Fluoranthene	100 mg/Kg		3.8	U	3.7	U	4	U	3.7	U	3.8	U	3.9	U	3.9	U	3.9	U	3.6	U
Total PCB's* ROD Criteria	500 mg/Kg		U		U		6.2		4.5		7.9		15		4.6		1.1		5.3	
4,4'-DDE	50 mg/Kg		0.11	U	0.11	U	0.12	U	0.11		0.13		0.50		0.14		0.12	U	0.15	
Aldrin	50 mg/Kg		0.055	U	0.057	U	0.061	U	0.056	U	0.058	U	0.061	U	0.059	U	0.06	U	0.056	U
Dieldrin	50 mg/Kg		0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.40	P	0.11	U	0.12	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point	CD-Y39-1-FL		CD-Y40-1-FL		CD-Y41-1-FL6'		CD-Y42-1-FL6'		CD-Y42-1-EW		CD-Y43-1-SW2-6'		CD-Y43-1-FL6'	
	Validated/Preliminary	V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J0201-01		J0201-02		J0027-05		J0016-06		J0726-06		J0016-04		J0016-01	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J0201		J0201		J0027		J0016		J0726		J0016		J0016	
	Date Sampled	02/04/2010		02/04/2010		01/07/2010		01/06/2010		04/13/2010		01/06/2010		01/06/2010	
Constituent	**Unit**														
Trichloroethene	1 mg/Kg	0.25	U	0.28	U	0.24	U	0.39	U	0.29	U	0.33	U	0.26	U
Benzo(b)fluoranthene	50 mg/Kg	3.7	U	3.9	U	3.2	U	3.4	U	3.9	U	3.5	U	3.5	U
Fluoranthene	100 mg/Kg	0.46	J	3.9	U	3.2	U	3.4	U	3.9	U	3.5	U	3.5	U
Total PCB's* ROD Criteria	500 mg/Kg	3.8		6.3		U		U		1.5		U		0.79	
4,4'-DDE	50 mg/Kg	0.1	U	0.21		0.11	U	0.099	U	0.12	U	0.1	U	0.1	U
Aldrin	50 mg/Kg	0.052	U	0.056	U	0.054	U	0.051	U	0.06	U	0.054	U	0.053	U
Dieldrin	50 mg/Kg	0.1	U	0.18	P	0.11	U	0.099	U	0.12	U	0.1	U	0.1	U

Legend:

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

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	Sample Point	CD-Z11-1-WW		CD-Z12-1-FL		CD-Z13-1-FL		CD-Z14-1-FL		CD-Z15-1-FL		CD-Z16-1-FL		CD-Z17-1-FL		CD-Z18-1-FL		CD-Z19-1-FL	
	Validated/Preliminary	V		V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	H1753-01		H1889-12		H1897-02		H1897-01		H1931-02		H1947-01		H1947-02		H2012-01		H2298-05	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	H1753		H1889		H1897		H1897		H1931		H1947		H1947		H2012		H2298	
	Date Sampled	09/10/2009		09/28/2009		09/29/2009		09/29/2009		10/01/2009		10/05/2009		10/05/2009		10/13/2009		11/12/2009	
Constituent	**Unit**																		
Trichloroethene	1 mg/Kg	0.0031	J	0.0054	U	0.0056	U	0.005	U	0.0048	U	0.0048	U	0.0048	U	0.0030	J	0.26	
Benzo(b)fluoranthene	50 mg/Kg	3		0.064	J	0.41	U	0.39	U	0.38	U	0.39	U	0.39	U	0.47		3.9	
Fluoranthene	100 mg/Kg	5.4		0.079	J	0.41	U	0.39	U	0.38	U	0.39	U	0.070	J	0.91		3.9	
Total PCB's* ROD Criteria	500 mg/Kg	3		0.050		0.19		U		0.11		0.11		2.69		40		U	
4,4'-DDE	50 mg/Kg	0.032	U	0.0038	U	0.0041	U	0.0039	U	0.0039	U	0.004	U	0.063		0.90	P	0.11	
Aldrin	50 mg/Kg	0.017	U	0.002	U	0.0021	U	0.002	U	0.002	U	0.002	U	0.02	U	0.2	U	0.059	
Dieldrin	50 mg/Kg	0.039	P	0.0038	U	0.0041	U	0.0039	U	0.0039	U	0.004	U	0.052		1.4	P	0.11	

Legend:

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

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B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

Comments: *

Sample Point			CD-Z19-1-EW		CD-Z20-1-FL		CD-Z20-1-EW		CD-Z22-1-SW		CD-Z2324-1-FL		CD-Z23-1-SW		CD-Z24-1-SW		CD-Z25-1-EW	
Validated/Preliminary			V		V		V		V		V		V		V		V	
Final Ver/Waste Char			FV		FV		FV		FV		FV		FV		FV		FV	
Lab ID			H1978-03		H2298-03		H2298-04		J1838-04		J1838-10		J1838-06		J1838-08		K0359-10	
MEDIUM			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
Lab Group			H1978		H2298		H2298		J1838		J1838		J1838		J1838		K0359	
Date Sampled			10/08/2009		11/12/2009		11/12/2009		09/22/2010		09/22/2010		09/22/2010		09/22/2010		03/09/2011	
Constituent	**Unit**																	
Trichloroethene	1 mg/Kg	U	0.0051	U	0.31	U	0.27	U	0.25	U	0.32	U	0.31	U	0.26	U	0.10	J
Benzo(b)fluoranthene	50 mg/Kg	U	1.0		0.89	J	3.7	U	3.2	U	3.9	U	3.4	U	3.6	U	3.8	U
Fluoranthene	100 mg/Kg	U	1.9		1.9	J	3.7	U	3.2	U	3.9	U	3.4	U	3.6	U	3.8	U
Total PCB's* ROD Criteria	500 mg/Kg		18		57		1.4		2.8		U		U		U		1.79	
4,4'-DDE	50 mg/Kg	U	0.62		1.9		0.12	U	0.1	U	0.12	U	0.11	U	0.098	U	0.11	U
Aldrin	50 mg/Kg	U	0.15	U	0.45	U	0.059	U	0.053	U	0.061	U	0.057	U	0.05	U	0.059	U
Dieldrin	50 mg/Kg	U	0.57	P	0.88	U	0.12	U	0.1	U	0.12	U	0.11	U	0.098	U	0.11	U

Legend:

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N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

		Sample Point	CD-Z25-1-SW		CD-Z26-1FV-FL		CD-Z27-1FV-NW		CD-Z27-1FV-SW		CD-Z27-1FV-EW		CD-Z27-1FV-WW		CD-Z27-1-NW	
		Validated/Preliminary	V		V		V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV	
		Lab ID	K0359-11		K0340-05		K0340-06		K0340-07		K0340-08		K0340-09		K0231-01	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	K0359		K0340		K0340		K0340		K0340		K0340		K0231	
		Date Sampled	03/09/2011		03/04/2011		03/04/2011		03/04/2011		03/04/2011		03/04/2011		02/15/2011	
Constituent	**Unit**															
Trichloroethene	1	mg/Kg	0.27	U	0.33	U	0.094	J	0.33	U	0.15	J	0.089	J	0.24	U
Benzo(b)fluoranthene	50	mg/Kg	3.9	U	3.7	U	3.8	U	3.5	U	3.6	U	3.8	U	3.6	U
Fluoranthene	100	mg/Kg	3.9	U	3.7	U	3.8	U	3.5	U	3.6	U	3.8	U	3.6	U
Total PCB's* ROD Criteria	500	mg/Kg	4.3		11		10.2		6.7		5.7		14.3		6.2	
4,4'-DDE	50	mg/Kg	0.11	U	0.25		0.16		0.11	U	0.11	U	0.22		0.17	
Aldrin	50	mg/Kg	0.056	U	0.058	U	0.057	U	0.056	U	0.056	U	0.057	U	0.056	U
Dieldrin	50	mg/Kg	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.14	P

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	Sample Point	CD-Z27-1-EW		CD-Z27-1-SW		CD-Z27-1-WW		CD-Z28-1-FL		CD-Z28-1-SW		CD-Z28-1-EW		CD-Z29-1-FL		CD-Z30-1-FL-2'	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	K0231-02		K0231-03		K0231-04		K0340-12		K0340-10		K0340-11		J1700-01		J1700-02	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	K0231		K0231		K0231		K0340		K0340		K0340		J1700		J1700	
	Date Sampled	02/15/2011		02/15/2011		02/15/2011		03/04/2011		03/04/2011		03/04/2011		08/31/2010		08/31/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.28	U	0.25	U	0.26	U	0.23	U	0.25	U	0.26	U	0.27	U	0.28	U
Benzo(b)fluoranthene	50 mg/Kg	3.6	U	3.6	U	3.7	U	3.7	U	3.6	U	3.5	U	3.5	U	3.6	U
Fluoranthene	100 mg/Kg	3.6	U	3.6	U	3.7	U	3.7	U	3.6	U	3.5	U	3.5	U	3.6	U
Total PCB's* ROD Criteria	500 mg/Kg	4.3		4.2		3.7		U		U		U		0.57		U	
4,4'-DDE	50 mg/Kg	0.11	U	0.11		0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.1	U
Aldrin	50 mg/Kg	0.056	U	0.055	U	0.057	U	0.057	U	0.054	U	0.057	U	0.055	U	0.054	U
Dieldrin	50 mg/Kg	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.1	U

Legend:

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	Sample Point	CD-Z30-1-FL-8'		CD-Z30-1-SW7'		CD-Z30-1-EW7'		CD-Z30-1-WW7'		CD-Z30-1-NW7'		CD-Z31-1-FL		CD-Z33-1-FL		CD-Z33-1-WW	
	Validated/Preliminary	V		V		V		V		V		V		V		V	
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV	
	Lab ID	J1700-03		J1700-04		J1700-05		J1700-06		J1700-07		J1700-08		J0355-05		J0383-03	
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Lab Group	J1700		J1700		J1700		J1700		J1700		J1700		J0355		J0383	
	Date Sampled	08/31/2010		08/31/2010		08/31/2010		08/31/2010		08/31/2010		08/31/2010		03/04/2010		03/08/2010	
Constituent	**Unit**																
Trichloroethene	1 mg/Kg	0.29	U	0.27	U	0.31	U	0.29	U	0.26	U	0.26	U	0.22	U	0.28	
Benzo(b)fluoranthene	50 mg/Kg	3.7	U	3.3	U	3.7	U	3.4	U	3.4	U	3.5	U	3.8	U	3.9	
Fluoranthene	100 mg/Kg	3.7	U	3.3	U	3.7	U	3.4	U	3.4	U	3.5	U	3.8	U	3.9	
Total PCB's* ROD Criteria	500 mg/Kg	3.2		11.7		U		4.9		1.66		U		8.1		U	
4,4'-DDE	50 mg/Kg	0.11	U	0.15	P	0.11	U	0.1	U	0.1	U	0.11	U	0.14		0.11	
Aldrin	50 mg/Kg	0.058	U	0.05	U	0.055	U	0.051	U	0.052	U	0.054	U	0.055	U	0.058	
Dieldrin	50 mg/Kg	0.11	U	0.10	P	0.11	U	0.1	U	0.1	U	0.11	U	0.11	U	0.11	

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Sample Point			CD-Z34-1-FL		CD-Z35-1-FL		CD-Z35-1-SW		CD-Z36-1-FL		CD-Z36-1-SW		CD-Z373839-1-FL		CD-Z37-1-SW		CD-Z38-1-SW			
Validated/Preliminary			V		V		V		V		V		V		V		V			
Final Ver/Waste Char			FV		FV		FV		FV		FV		FV		FV		FV			
Lab ID			J0355-06		J0289-02		J0289-03		J0265-08		J0289-04		J0201-03		J0265-01		J0265-02			
MEDIUM			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL			
Lab Group			J0355		J0289		J0289		J0265		J0289		J0201		J0265		J0265			
Date Sampled			03/04/2010		02/23/2010		02/23/2010		02/18/2010		02/23/2010		02/04/2010		02/19/2010		02/18/2010			
Constituent	**Unit**																			
Trichloroethene	1	mg/Kg	U	0.23	U	0.24	U	0.24	U	0.28	U	0.25	U	0.26	U	0.26	U	0.3	U	
Benzo(b)fluoranthene	50	mg/Kg	U	3.7	U	4	U	3.9	U	4	U	3.7	U	3.5	U	3.7	U	3.8	U	
Fluoranthene	100	mg/Kg	U	3.7	U	4	U	3.9	U	0.69	J	3.7	U	3.5	U	3.7	U	3.8	U	
Total PCB's* ROD Criteria	500	mg/Kg		0.59		0.73		U		6.2		U		U		U		1.1		
4,4'-DDE	50	mg/Kg	U	0.11	U	0.12	U	0.12	U	0.18		0.12	U	0.1	U	0.11	U	0.12	U	
Aldrin	50	mg/Kg	U	0.057	U	0.06	U	0.06	U	0.059	U	0.061	U	0.054	U	0.055	U	0.059	U	
Dieldrin	50	mg/Kg	U	0.11	U	0.12	U	0.12	U	0.15		0.12	U	0.1	U	0.11	U	0.12	U	

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	Sample Point	CD-Z39-1-SW		CD-Z40-1-FL6'		CD-Z40-1-SW		CD-Z41-1-FL6'		CD-Z41-1-SW		CD-Z42-1-SW2-6'		CD-Z42-1-FL6'		CD-Z43-1-FL2'					
	Validated/Preliminary	V		V		V		V		V		V		V		V					
	Final Ver/Waste Char	FV		FV		FV		FV		FV		FV		FV		FV					
	Lab ID	J0265-03		J0027-03		J0265-04		J0027-04		J0265-05		J0016-03		J0016-07		J0016-05					
	MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL					
	Lab Group	J0265		J0027		J0265		J0027		J0265		J0016		J0016		J0016					
	Date Sampled	02/18/2010		01/07/2010		02/18/2010		01/07/2010		02/18/2010		01/06/2010		01/06/2010		01/06/2010					
Constituent	**Unit**																				
Trichloroethene	1 mg/Kg	0.25	U	0.24	U	0.28	U	0.26	U	0.32	U	0.31	U	0.4	U	0.27	U				
Benzo(b)fluoranthene	50 mg/Kg	3.8	U	3.3	U	3.7	U	3.5	U	4	U	3.4	U	3.2	U	3.5	U				
Fluoranthene	100 mg/Kg	3.8	U	3.3	U	3.7	U	3.5	U	4	U	3.4	U	3.2	U	3.5	U				
Total PCB's* ROD Criteria	500 mg/Kg	2.0		4.4		1.3		U		U		U		U		0.69					
4,4'-DDE	50 mg/Kg	0.12	U	0.1	U	0.11	U	0.1	U	0.12	U	0.1	U	0.098	U	0.1	U				
Aldrin	50 mg/Kg	0.059	U	0.054	U	0.057	U	0.052	U	0.062	U	0.052	U	0.051	U	0.053	U				
Dieldrin	50 mg/Kg	0.12	U	0.1	U	0.11	U	0.1	U	0.12	U	0.1	U	0.098	U	0.1	U				

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

		Sample Point	CD-Z43-1-EW		
		Validated/Preliminary	V		
		Final Ver/Waste Char	FV		
		Lab ID	J1379-01		
		MEDIUM	SOIL		
		Lab Group	J1379		
		Date Sampled	07/08/2010		
Constituent	**Unit**				
Trichloroethene	1	mg/Kg		0.27	U
Benzo(b)fluoranthene	50	mg/Kg		3.4	U
Fluoranthene	100	mg/Kg		3.4	U
Total PCB's* ROD Criteria	500	mg/Kg		7.3	
4,4'-DDE	50	mg/Kg		0.1	U
Aldrin	50	mg/Kg		0.053	U
Dieldrin	50	mg/Kg		0.1	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

		Sample Point	CD-A5-A5PH		CD-ASPH-14PCB		CD-ASPH-14PCB		CD-ASPH-15PCB		CD-ASPH-16PCB		CD-ASPH-17PCB	
		Validated/Preliminary	V		V		V		V		V		V	
		Lab ID	K1487-01		K1566-01		K1723-01		K1566-02		K1622-01		K1680-01	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	K1487		K1566		K1723		K1566		K1622		K1680	
		Date Sampled	08/16/2011		08/25/2011		08/25/2011		08/25/2011		08/31/2011		09/08/2011	
Constituent		**Unit**												
Percent Moisture		PCT	10	U	0.60	J	0.89	J	10	U	5.0	J	4.1	J

		Sample Point	CD-A5-A5PH		CD-ASPH-14PCB		CD-ASPH-14PCB		CD-ASPH-15PCB		CD-ASPH-16PCB		CD-ASPH-17PCB	
		Validated/Preliminary	V		V		V		V		V		V	
		Lab ID	K1487-01		K1566-01		K1723-01		K1566-02		K1622-01		K1680-01	
	ROD	Lab Group	K1487		K1566		K1723		K1566		K1622		K1680	
Constituent	Criteria	Unit												
Aroclor-1016		mg/Kg	0.49	U	0.49	U	0.099	U	0.46	U	0.52	U	0.51	U
Aroclor-1221		mg/Kg	0.49	U	0.49	U	0.099	U	0.46	U	0.52	U	0.51	U
Aroclor-1232		mg/Kg	0.49	U	0.49	U	0.099	U	0.46	U	0.52	U	0.51	U
Aroclor-1242		mg/Kg	0.49	U	0.49	U	0.099	U	0.46	U	0.52	U	0.51	U
Aroclor-1248		mg/Kg	0.49	U	0.49	U	0.099	U	0.46	U	5.8		0.51	U
Aroclor-1254		mg/Kg	0.49	U	0.49	U	0.42		0.56		8.7		0.58	
Aroclor-1260		mg/Kg	0.49	U	0.49	U	0.099	U	0.46	U	0.52	U	0.51	U
Aroclor-1262		mg/Kg	0.49	U	0.49	U	0.099	U	0.46	U	0.52	U	0.51	U
Aroclor-1268		mg/Kg	0.49	U	0.49	U	0.099	U	0.46	U	0.52	U	0.51	U

TODAYS DATE 1/12/2012		Sample Point	CD-BB3W-0-6"RR		CD-BB4W-0-6"RR		CD-BA4W-0-6"RR		CD-BA4W-18-24"RR		CD-BB5W-0-6"RR	
		Validated/Preliminary	V		V		V		V		V	
		Final Ver/Waste Char	FV		FV		FV		FV		FV	
		Lab ID	K1735-01		K1735-02		K1735-03		K1735-04		K1735-05	
		MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL	
		Lab Group	K1735		K1735		K1735		K1735		K1735	
		Date Sampled	09/15/2011		09/15/2011		09/15/2011		09/15/2011		09/15/2011	
Constituent	**Unit**											
Trichloroethene	1 mg/Kg		0.34	U	0.42	U	0.38	U	0.39	U	0.54	U
Benzo(b)fluoranthene	50 mg/Kg		8.9		9.7		2.2		0.55	J	3.2	
Fluoranthene	100 mg/Kg		8.2		10		2.4		0.68	J	3.6	
Total PCB's* ROD Criteria	500 mg/Kg		106		67		0.53		U		1.9	
4,4'-DDE	50 mg/Kg		0.70	P	0.52	U	0.11	U	0.11	U	0.12	U
Aldrin	50 mg/Kg		0.23	U	0.27	U	0.058	U	0.057	U	0.059	U
Dieldrin	50 mg/Kg		0.45	U	0.52	U	0.11	U	0.11	U	0.12	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012	Sample Point Validated/Preliminary MEDIUM Lab Group	WIPE-ALLU V J0248-01 J0248		WIPE-ALLU-2 V J0288-01 J0288		WIPE-ALLO-3 V J0327-01 J0327	
Aroclor-1016	ug/100cm2	10	U	1	U	1	U
Aroclor-1221	ug/100cm2	10	U	1	U	1	U
Aroclor-1232	ug/100cm2	10	U	1	U	1	U
Aroclor-1242	ug/100cm2	10	U	1	U	1	U
Aroclor-1248	ug/100cm2	10	U	1	U	1	U
Aroclor-1254	ug/100cm2	50		12		1	U
Aroclor-1260	ug/100cm2	10	U	1	U	1	U
Total PCB's	ug/100cm2	50		12		U	

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012			Sample Point	CD-BF-ST-1		CD-BF-MX-1		CD-BF-MX-2		CD-BF-MX-3		CD-BF-MX-4		CD-BF-MX-5		CD-BF-MX-6		CD-BF-MX-7	
			Validated/Preliminary	V		V		V		V		V		V		V		V	
			Lab ID	H1702-01		H1702-02		H2175-01		J0087-01		J1923-01		K0783-01		K1269-01		K2250-01	
			MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
			Lab Group	H1702		H1702		H2175		J0087		J1923		K0783		K1269		K2250	
	ROD	NJAC	Date Sampled	09/02/2009		09/02/2009		11/02/2009		01/18/2010		10/04/2010		05/09/2011		07/19/2011		11/01/2011	
Constituent	**Criteria**	**7:26D**	**Unit**																
Trichloroethene	1	23	mg/Kg	0.0052	U	0.006	U	0.0020	BJ	0.34	U	0.28	U	0.27	U	0.29	U	0.33	U
Benzo(b)fluoranthene	50	0.9	mg/Kg	0.35	U	0.35	U	0.34	U	3.6	U	3.3	U	3.4	U	3.5	U	1.5	U
Fluoranthene	100	2300	mg/Kg	0.35	U	0.35	U	0.34	U	3.6	U	3.3	U	3.4	U	3.5	U	1.5	U
Total PCB's* ROD Criteria	500		mg/Kg	U		U		U		U		U		U		U		U	
4,4'-DDE	50	2	mg/Kg	0.0035	U	0.0035	U	0.0034	U	0.1	U	0.1	U	0.097	U	0.1	U	0.1	U
Aldrin	50	0.04	mg/Kg	0.0018	U	0.0018	U	0.0018	U	0.051	U	0.052	U	0.05	U	0.053	U	0.054	U
Dieldrin	50	0.042	mg/Kg	0.0035	U	0.0035	U	0.0034	U	0.1	U	0.1	U	0.097	U	0.1	U	0.1	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

TODAYS DATE 1/12/2012			Sample Point	CD-BF-MX-8		CD-BF-MX-9		CD-TS-MX-1		CD-SO-MX-1		CD-SA-MX-1	
			Validated/Preliminary	V		V		V		V		V	
			Lab ID	L0364-01		L0364-02		J1554-01		J1554-02		K2250-02	
			MEDIUM	SOIL		SOIL		SOIL		SOIL		SOIL	
			Lab Group	L0364		L0364		J1554		J1554		K2250	
	ROD	NJAC	Date Sampled	02/22/2012		02/23/2012		08/05/2010		08/05/2010		11/01/2011	
Constituent	**Criteria**	**7:26D**	**Unit**										
Trichloroethene	1	23	mg/Kg	0.29	U	0.26	U	0.26	U	0.32	U	0.37	U
Benzo(b)fluoranthene	50	0.9	mg/Kg	1.7	U	1.7	U	3.6	U	3.4	U	1.6	U
Fluoranthene	100	2300	mg/Kg	1.7	U	1.7	U	3.6	U	3.4	U	1.6	U
Total PCB's* ROD Criteria	500		mg/Kg	U		U		U		U		U	
4,4'-DDE	50	2	mg/Kg	0.11	U	0.096	U	0.1	U	0.099	U	0.11	U
Aldrin	50	0.04	mg/Kg	0.055	U	0.05	U	0.052	U	0.051	U	0.056	U
Dieldrin	50	0.042	mg/Kg	0.11	U	0.096	U	0.1	U	0.099	U	0.11	U

Legend:

U - This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit (MDL).

J - This is a concentration qualifier that laboratory applies to a positive result below the Contract Required Quantitation Limit (CRQL).

R - This indicates an un-usable value. This data are known to contain significant errors based on documented information and must not be used by the data user.

N - This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

JN - This indicates there is presumptive evidence for the presence of the material at an estimated value.

E- The value is above quantitation range.

B-Analyte detected in method blank.

A failed sample is denoted by a border surrounding the value and bolded text

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 10/26/10

Grid number: Z22

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
14 feet BG	14 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 14ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with white demarcation geotextile on the base, treated soils and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled: CD-Z22-1-SW.

The above listed work is accepted:

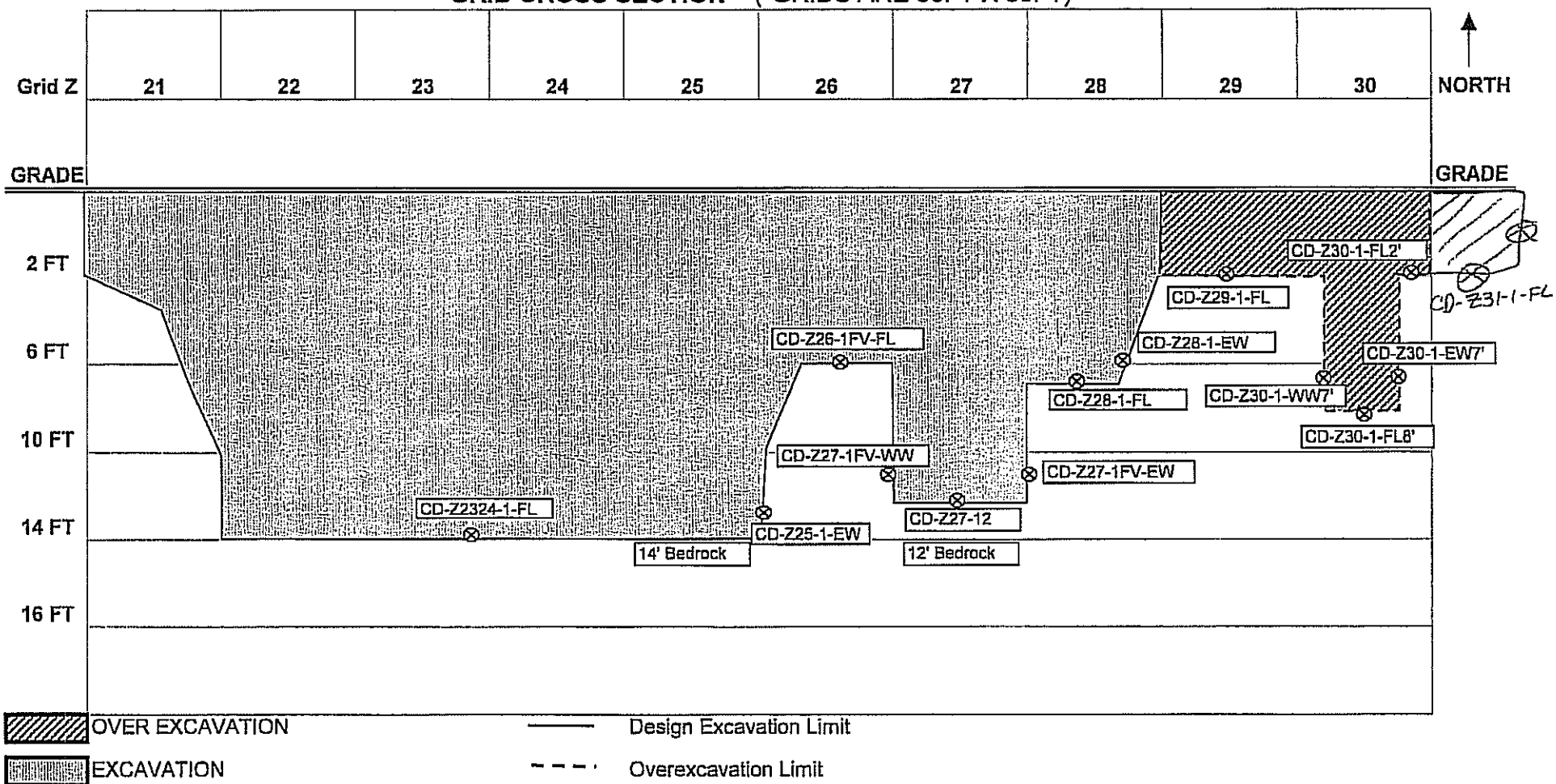
Patrick Carr
Sevenson Representative

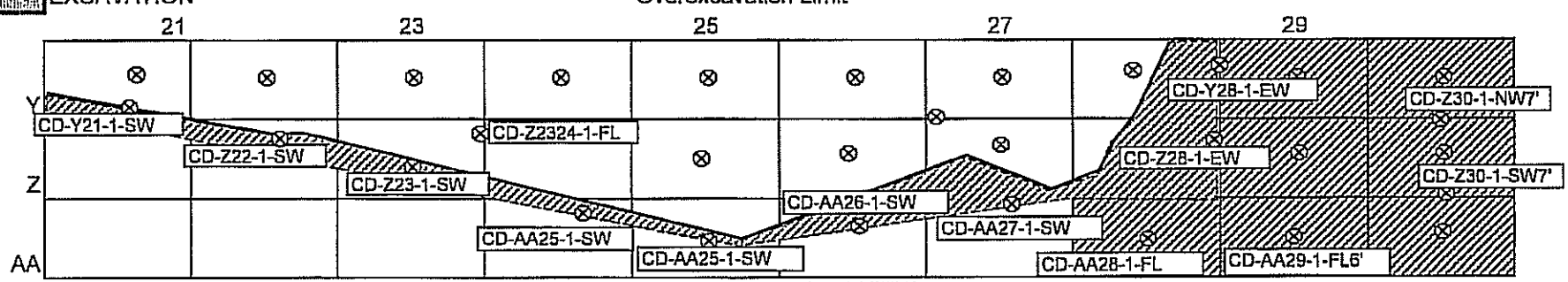
USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 10/16/09

Grid number: AC14

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
N/A	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soil sample collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Excavation proceeded outside contract limits per USEPA and USACE approval to remove capacitors encountered to a total depth of 2 feet below grade. Backfill will be first with geotextile on the base and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil sample labeled : CD-AC14-1-SW.

The above listed work is accepted:

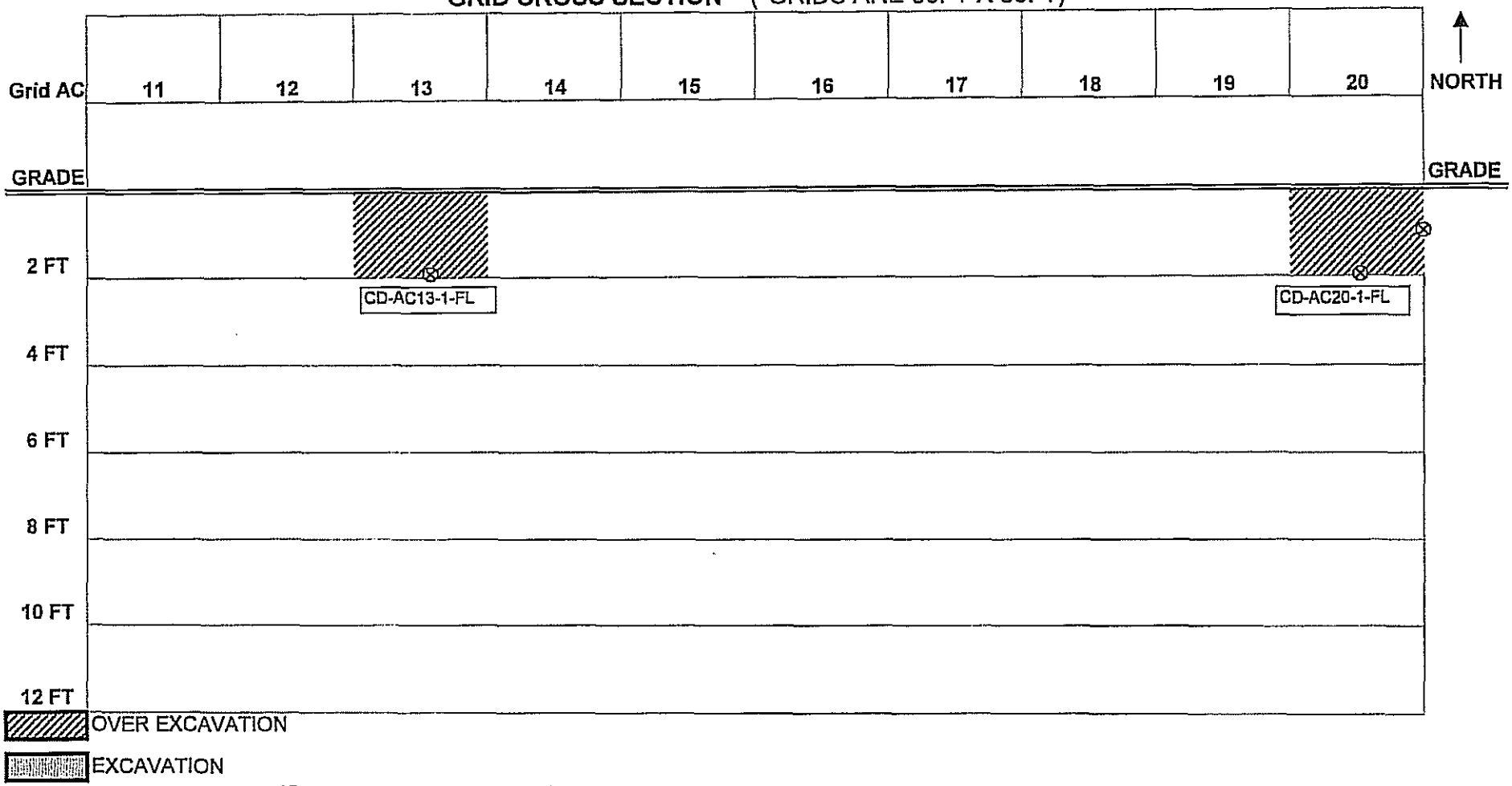
Michael Misiaszek
Sevenson Representative

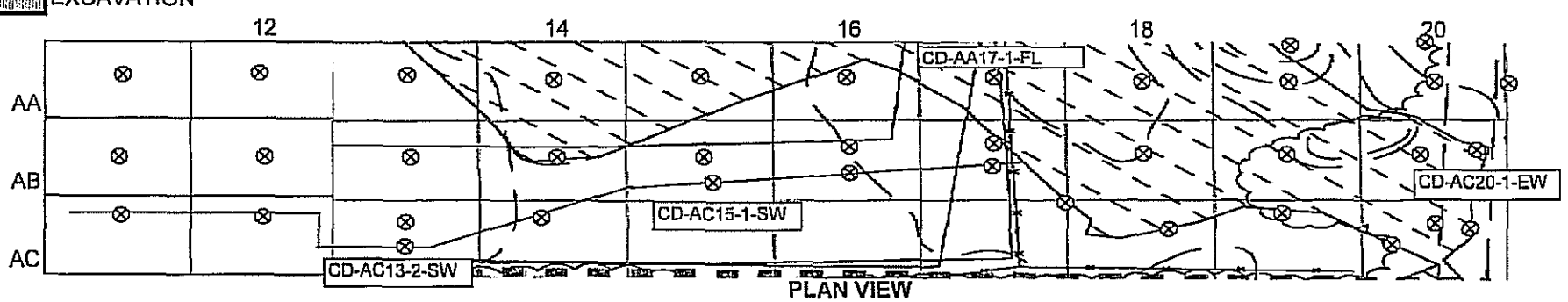
USEPA Representative

USACE Representative

Attachments: Post excavation sample results (Spread Sheet)
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 10/16/09

Grid number: AC17/AC18

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
N/A	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soil sample collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with geotextile on the base and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled : CD-AC17-1-WW. and CD-AC18-1-SW.

The above listed work is accepted:

PC Patrick Cirri 10/16/09
Sevenson Representative

10/21/09
USEPA Representative

Patrick Cirri
USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 10/16/09

Grid number: AC20

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
N/A	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soil sample collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Excavation proceeded outside contract limits per USEPA and USACE approval to remove capacitors encountered to a total depth of 2 feet below grade. Backfill will be first with geotextile on the base and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled : CD-AC20-1-FL , CD-AC20-1-EW and CD-AC20-1-WW.

The above listed work is accepted:

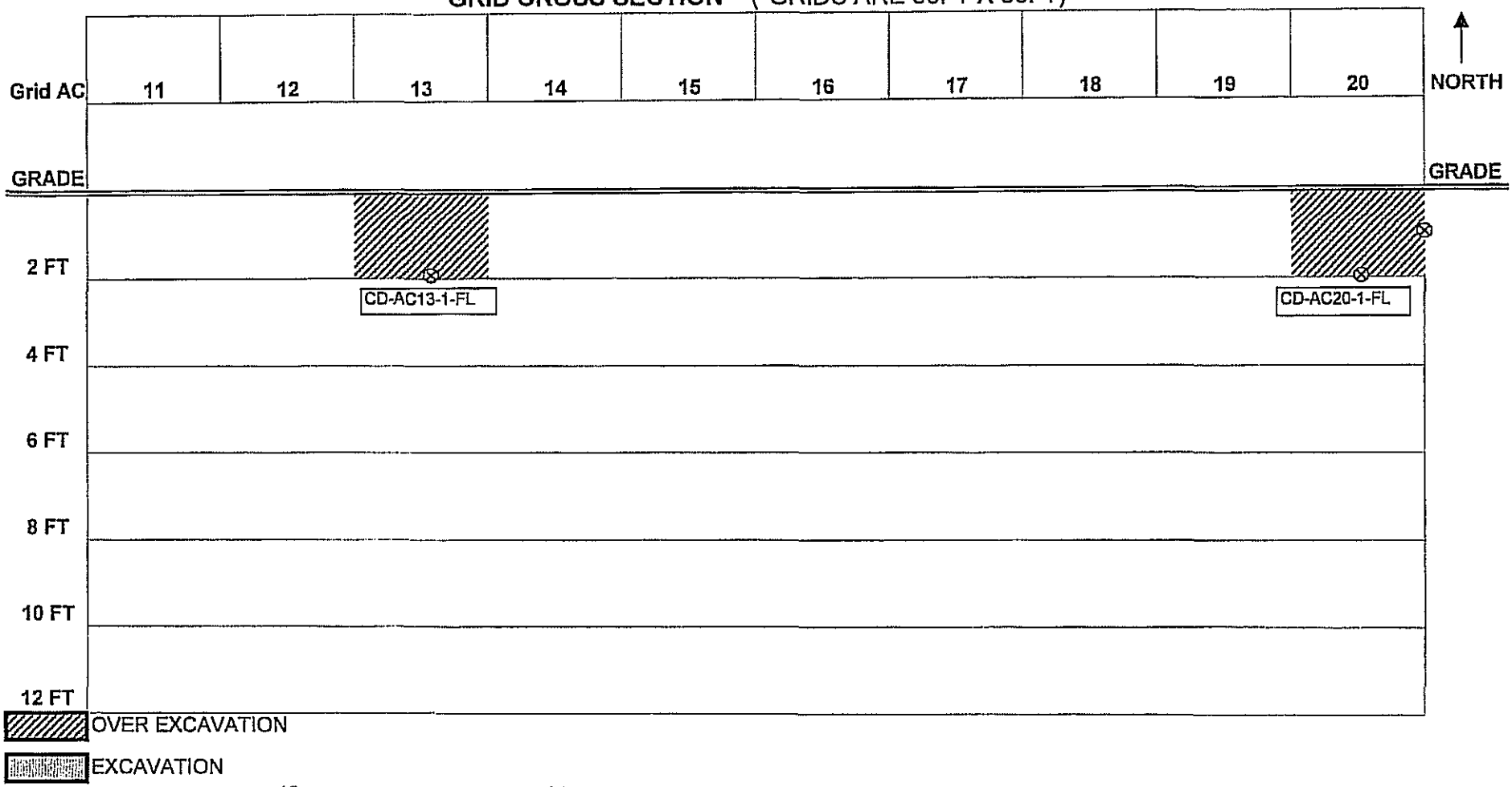
Patrick Cain 10/16/09
Sevenson Representative

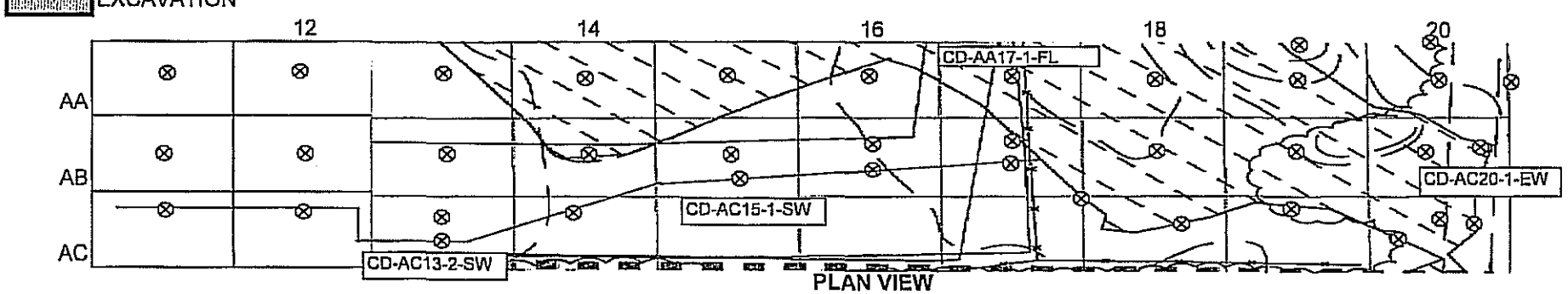
10/21/09
USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 10/23/09

Grid number: AA9

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
N/A	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soil sample collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Excavation proceeded outside contract limits per USEPA and USACE approval to remove capacitors encountered to a total depth of 2 feet below grade. Backfill will be first with geotextile on the base and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled : CD-AB9-1-FL and CD-AA9-1-NW.

The above listed work is accepted:

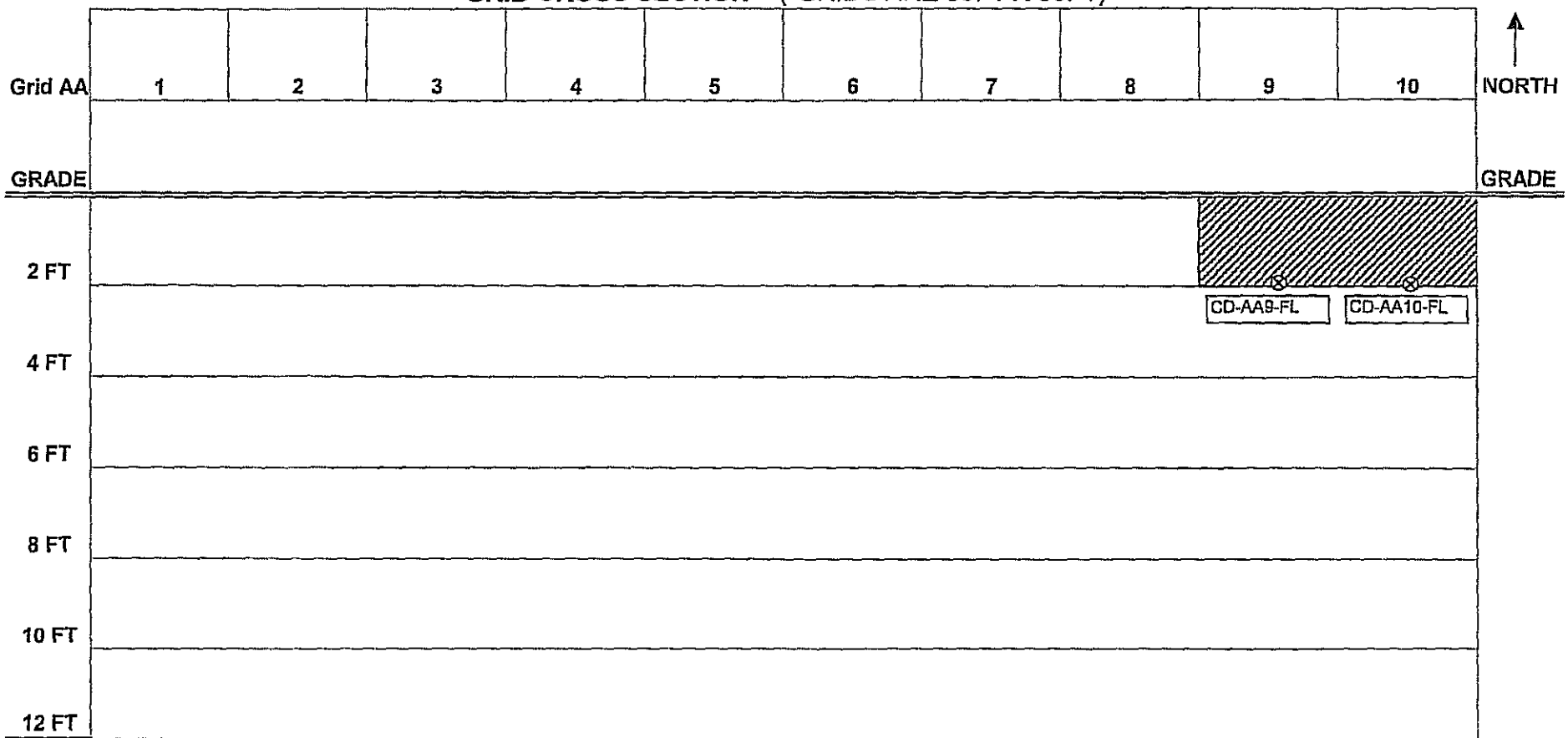
Patrick Cann 10/23/09
Sevenson Representative

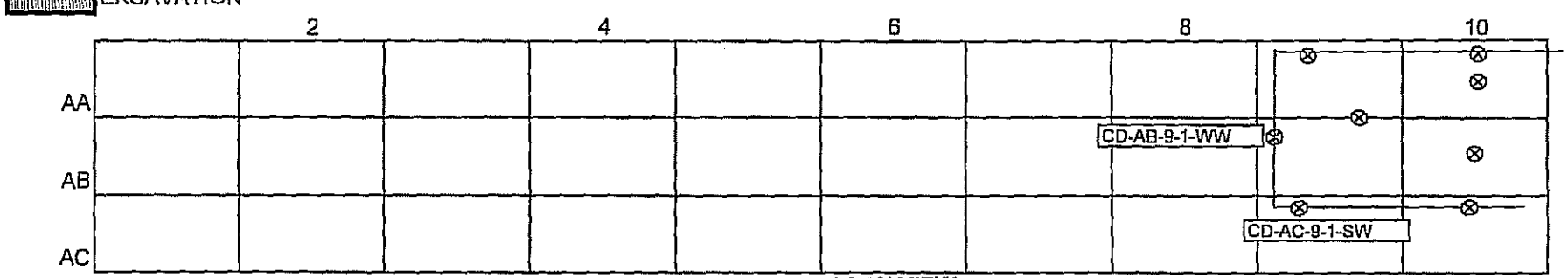
10/28/09
USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/Backfill Authorization

Date: 9/8/2009

Grid number: Y11, Y12, Z12

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	2 feet BG		

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: During excavation along the southern limit of excavation according to the contract drawings, capacitors were encountered outside the limit heading south. Per USACE and USEPA instructions, additional soils are being removed and in grids Y11, Y12, and Z12 to remove the gross contamination.

The above listed work is accepted:

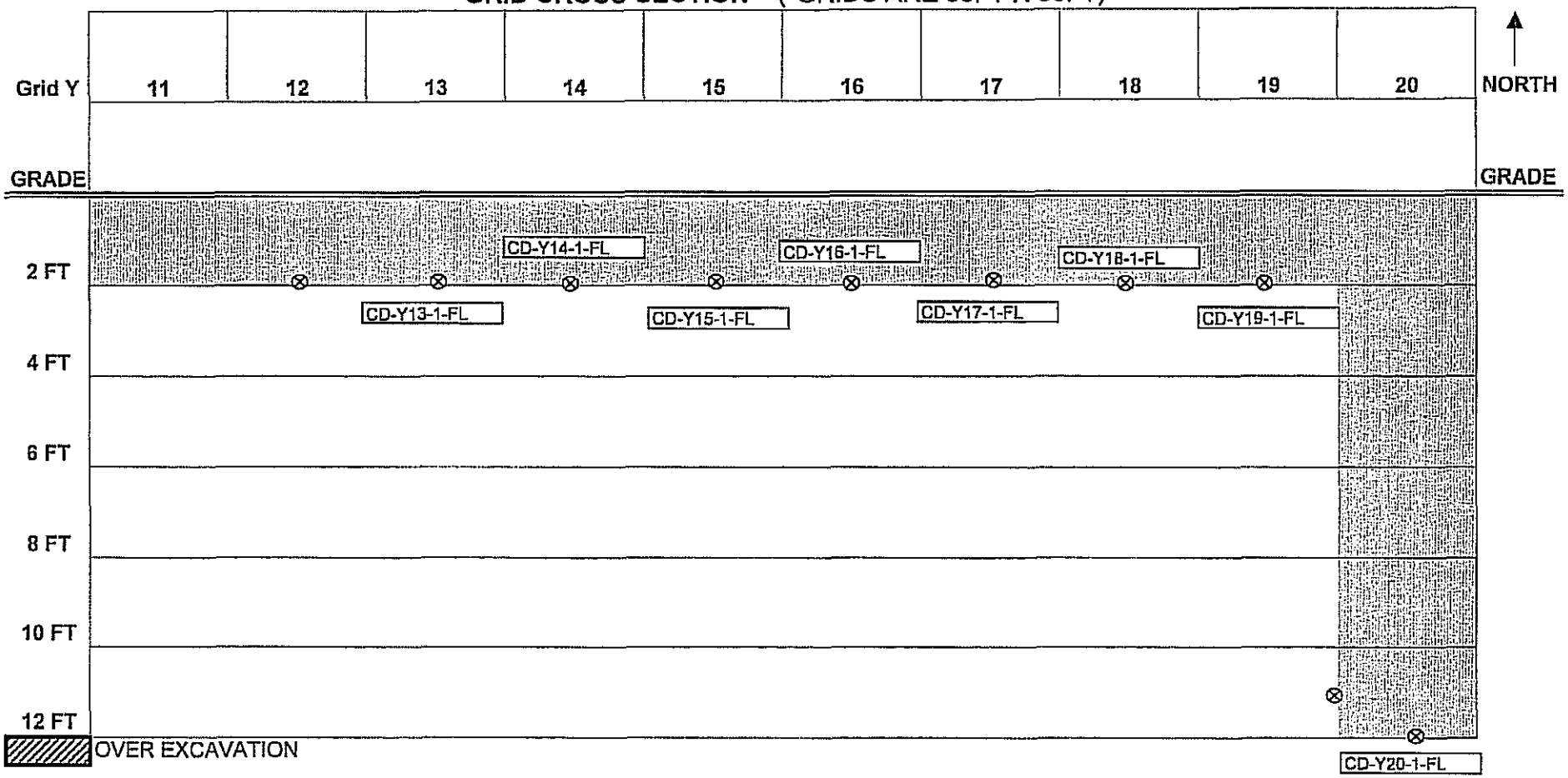
Patrick Carr TC
Sevenson Representative

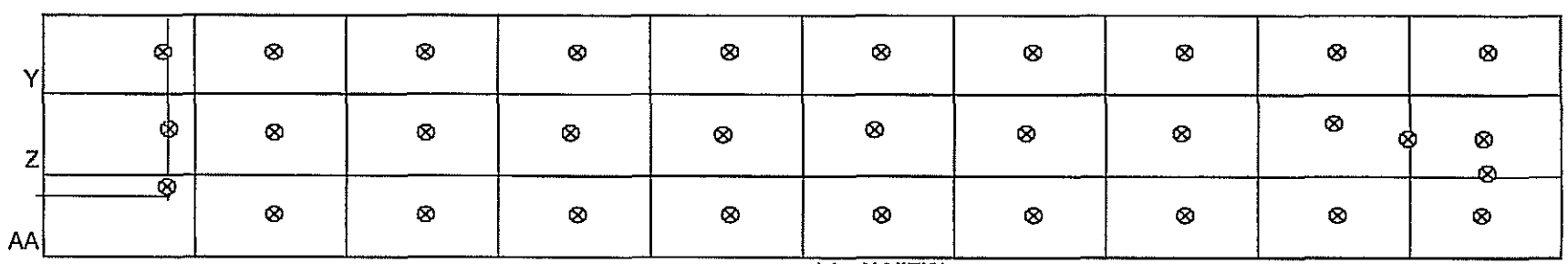
USEPA Representative

USACE Representative

Attachments: Grid Map, Grid Picture
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/Backfill Authorization

Date: 9/30/10

Grid number: V9

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
0 feet BG	2 feet BG	n/a	n/a

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: The grid was excavated for re-grading purposes. Upon excavation. a sweet odor was observed and a multi rae air monitoring instrument reported a VOC reading of 20 ppm. Per USACE, USEPA and SES recommendations soils shall be removed from grid V9 and confirm the area is below ROD criteria by sampling. Additional soils removed from grid to date are estimated at 67 yd^3.

The above listed work is accepted:

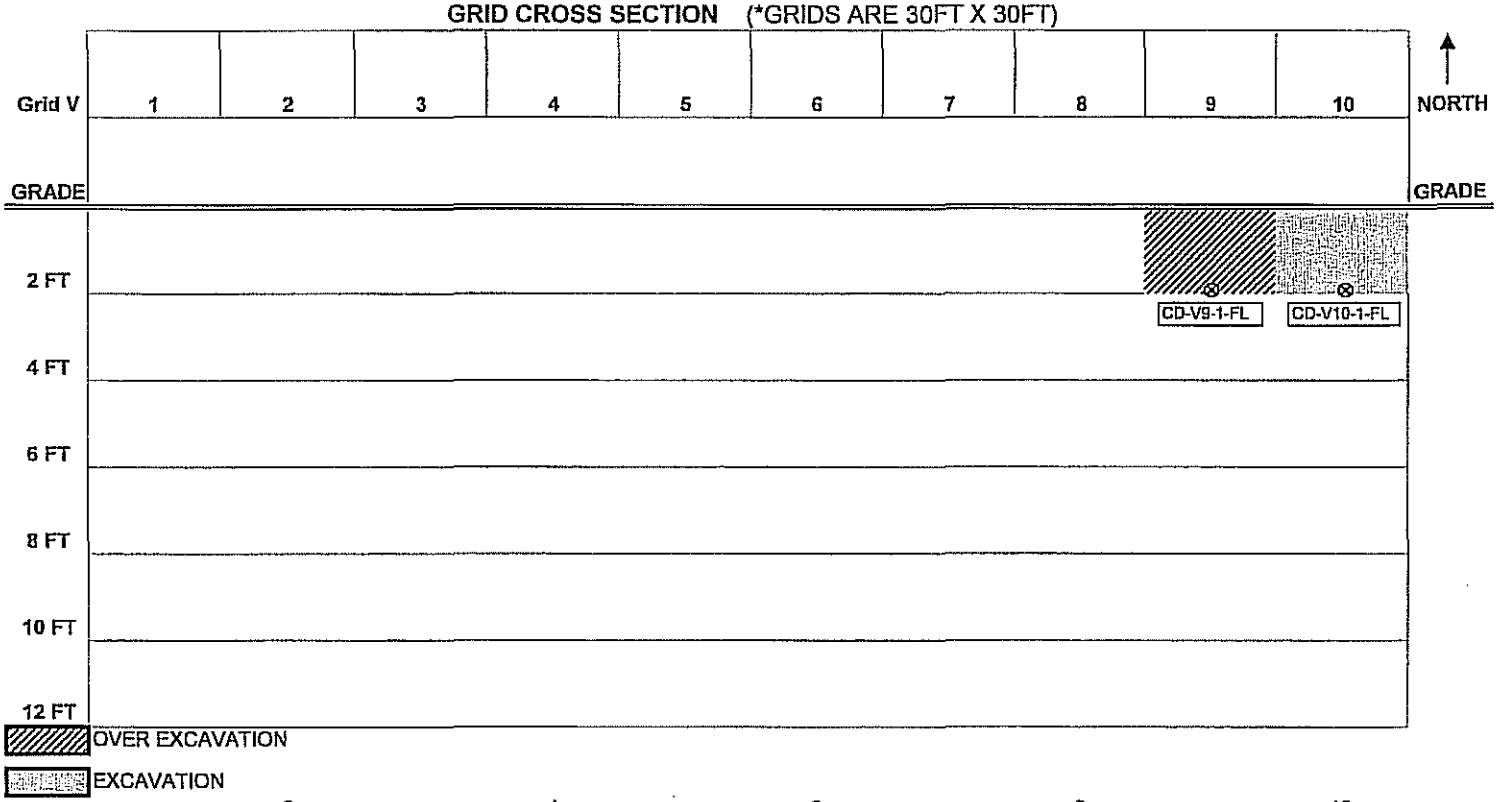
Michael Mazurek
Sevenson Representative

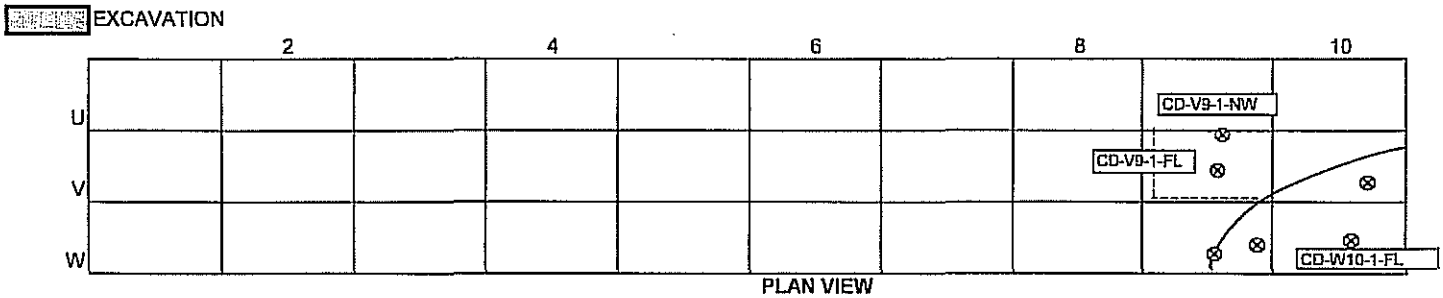
USEPA Representative

USACE Representative

Attachments: Grid Map, Post-excavation sample results (Spread Sheet)
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 04/16/10

Grid number: U11

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 2ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with white demarcation geotextile on the base, treated soils and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled: CD-TU11-1-FL and CD-U11-1-WW.

The above listed work is accepted:

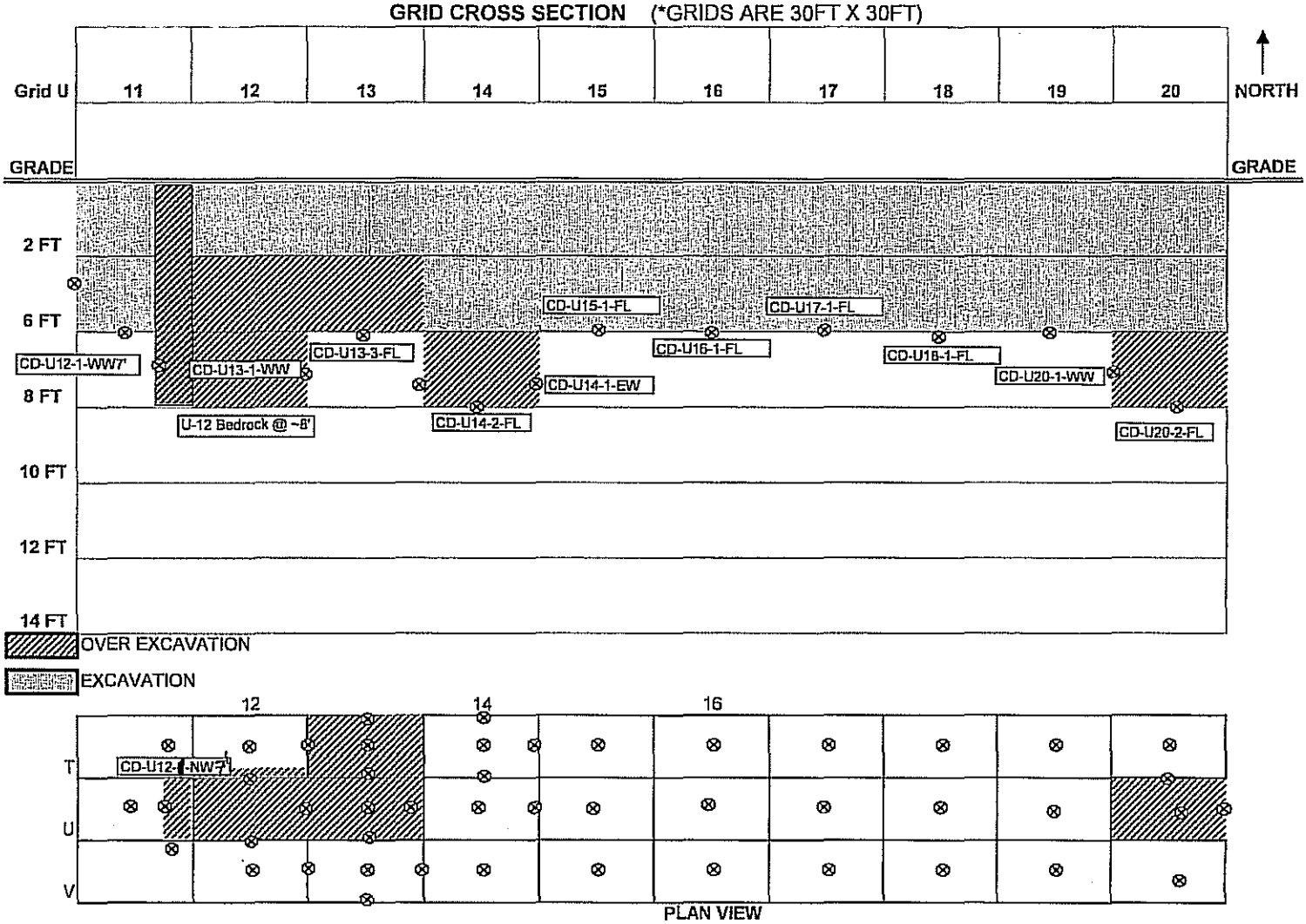
Patrick Carr
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Post excavation sample results (Spread Sheet),
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)



PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/Backfill Authorization

Date: 11/23/10

Grid number: L16/17

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
6 ft	6 ft	Yes	n/a

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 6ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedances above project ROD criteria and Sevenson recommends backfilling. Backfill will be placed to the sub grade elevation per final engineering controls. Soil samples labeled: CD-L16-1-NW and CD-L17-1-NW.

The above listed work is accepted:

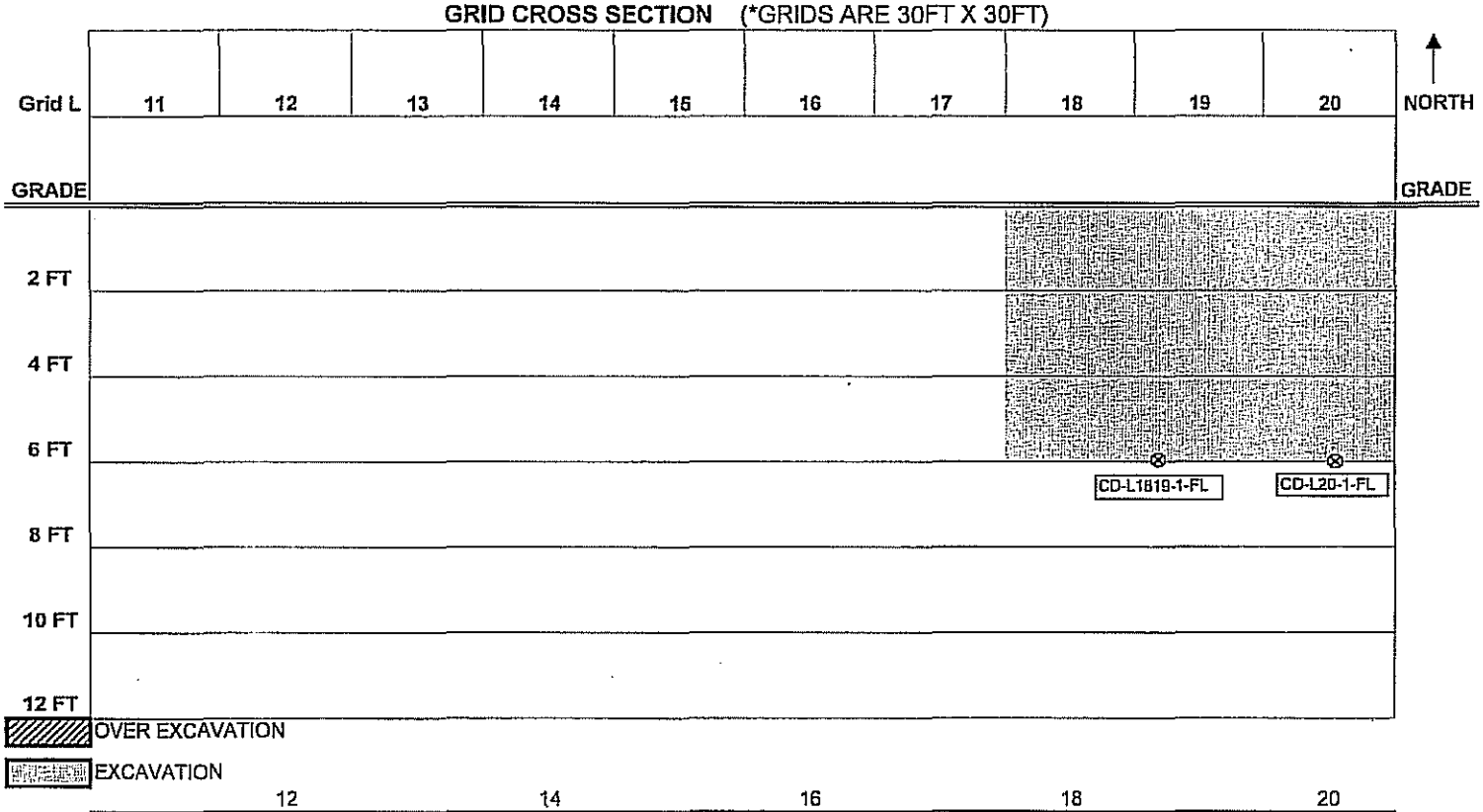
Michael Misiaszek
Sevenson Representative

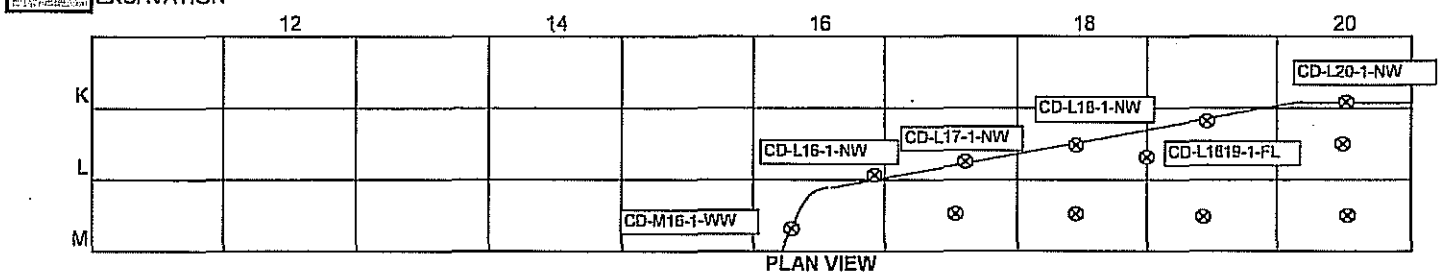
USEPA Representative

USACE Representative

Attachments: Post-Excavation Results
**BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/Backfill Authorization

Date: 12/07/11

Grid number: L27

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
6 feet BG	6 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 6ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedances above project ROD criteria and Sevenson recommends backfilling. Backfill will be placed to the sub grade elevation per final engineering controls. Soil samples labeled: CD-L27-6' and CD-L27-1-WW.

The above listed work is accepted:

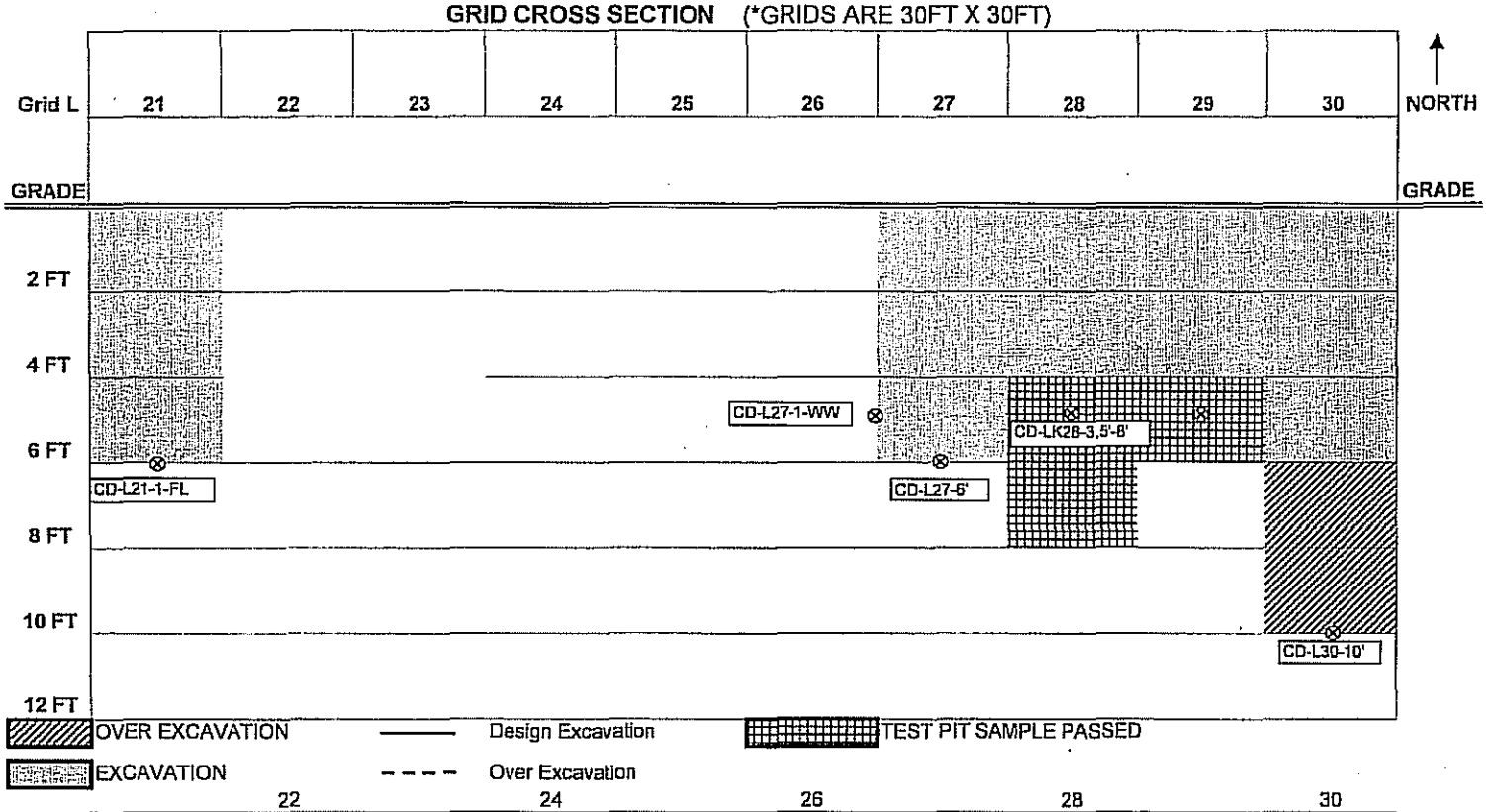
Michael Misiaszek
Sevenson Representative

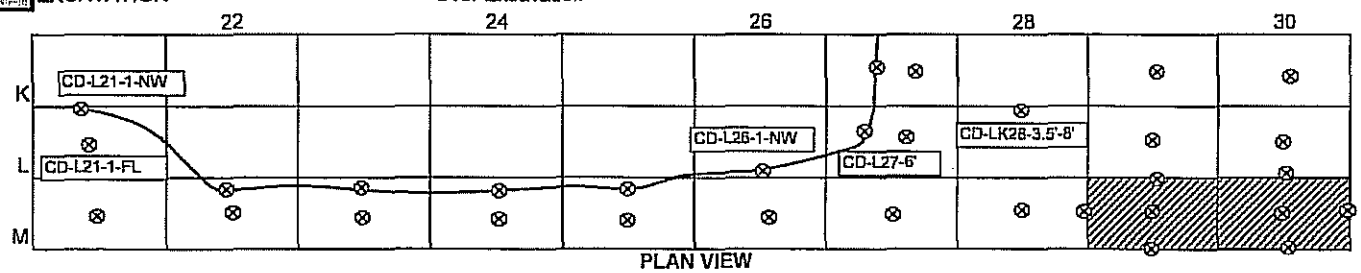
USEPA Representative

USACE Representative

Attachments: Post excavation sample results (Spread Sheet)
**BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 12/7/11

Grid number: I28

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
6 feet BG	0 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: On 5/19/2011 a test pit was dug and sampled in grid I-28. The sample was a composite of the material from 0-6'. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Material will be left in place in the grid and will be cut to 15" below finished grade. Then black geotextile fabric will be placed and dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled: CD-I28-0-6' and CD-I28-1-WW.

The above listed work is accepted:

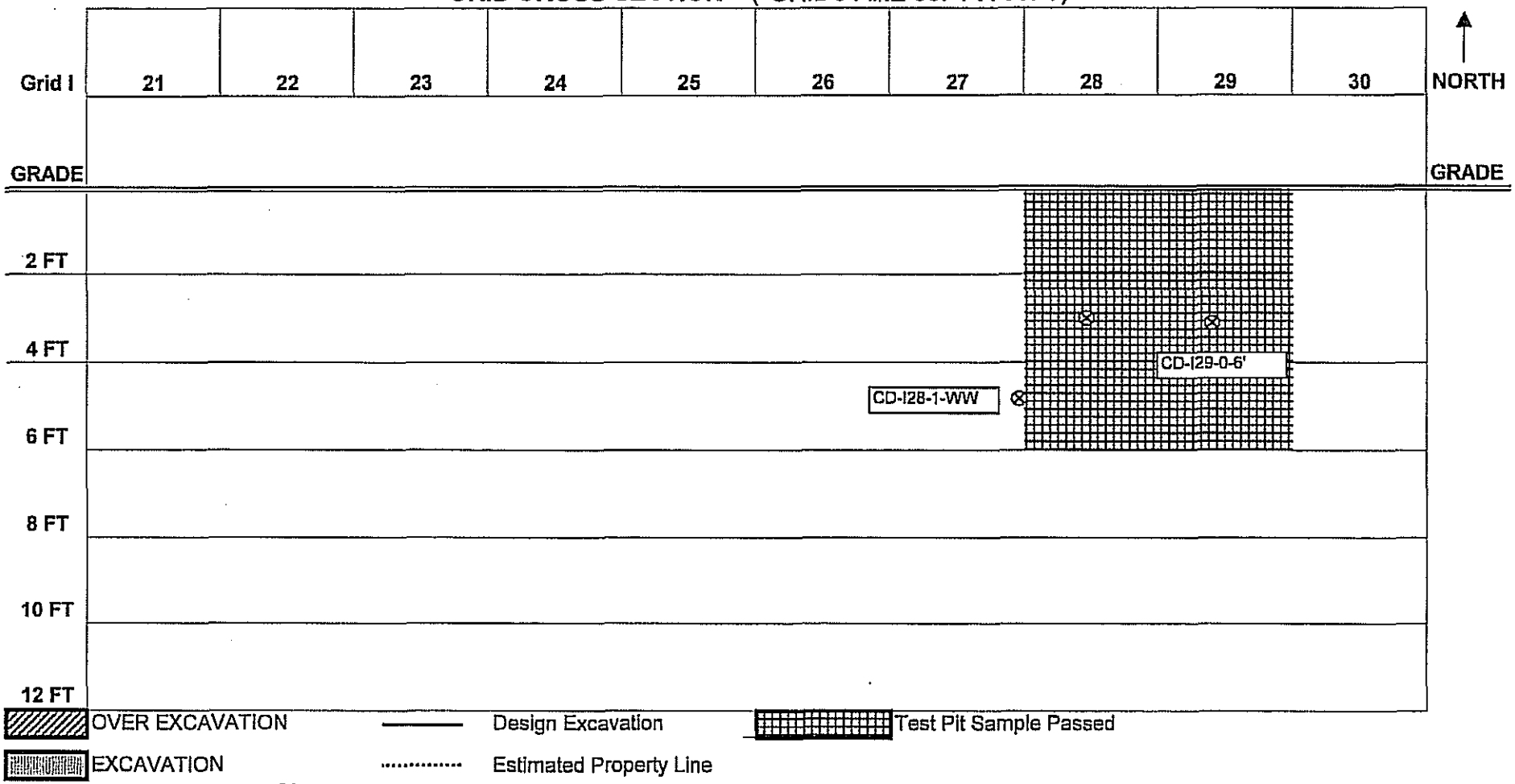
Michael Misiaszek
Sevenson Representative

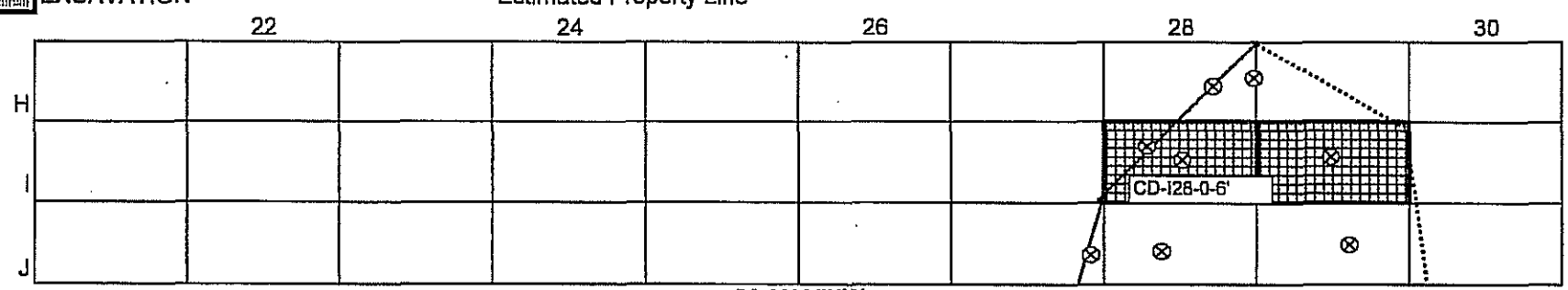
USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
**BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 12/7/11

Grid number: I29

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
6 feet BG	0 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: On 5/19/2011 a test pit was dug and sampled in grid I-29. The sample was a composite of the material from 0-6'. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Material will be left in place in the grid and will be cut to 15" below finished grade. Then black geotextile fabric will be placed and dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled: CD-I29-0-6'.

The above listed work is accepted:

Michael Misiaszek
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
**BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 06/10/11

Grid number: L32

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
6 ft	~9 ft	Yes	n/a

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: On 05/20/2011 a test pit was dug and sampled in the grid L-32. The sample was a grab of the material under coal ash @ ~9'. Results demonstrate no exceedances above project ROD criteria and Sevenson recommends backfilling. Material will be excavated and backfill will be placed to the sub grade elevation per final engineering controls. Soil sample labeled: CD-L32-9'.

The above listed work is accepted:

Michael Misiaszek
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Post-Excavation Results
**BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/Backfill Authorization

Date: 06/10/11

Grid number: L33

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
6 ft	3 ft	Yes	n/a

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: On 05/20/2011 a test pit was dug and sampled in the grid L-33. The sample was a composite of the material from 3'-6'. Results demonstrate no exceedances above project ROD criteria and Sevenson recommends backfilling. Material will be excavated and used as on-site fill, removing all sidewall samples. Eventually, backfill will be placed to the sub grade elevation per final engineering controls. Soil sample labeled: CD-LM33-3'-6'.

The above listed work is accepted:

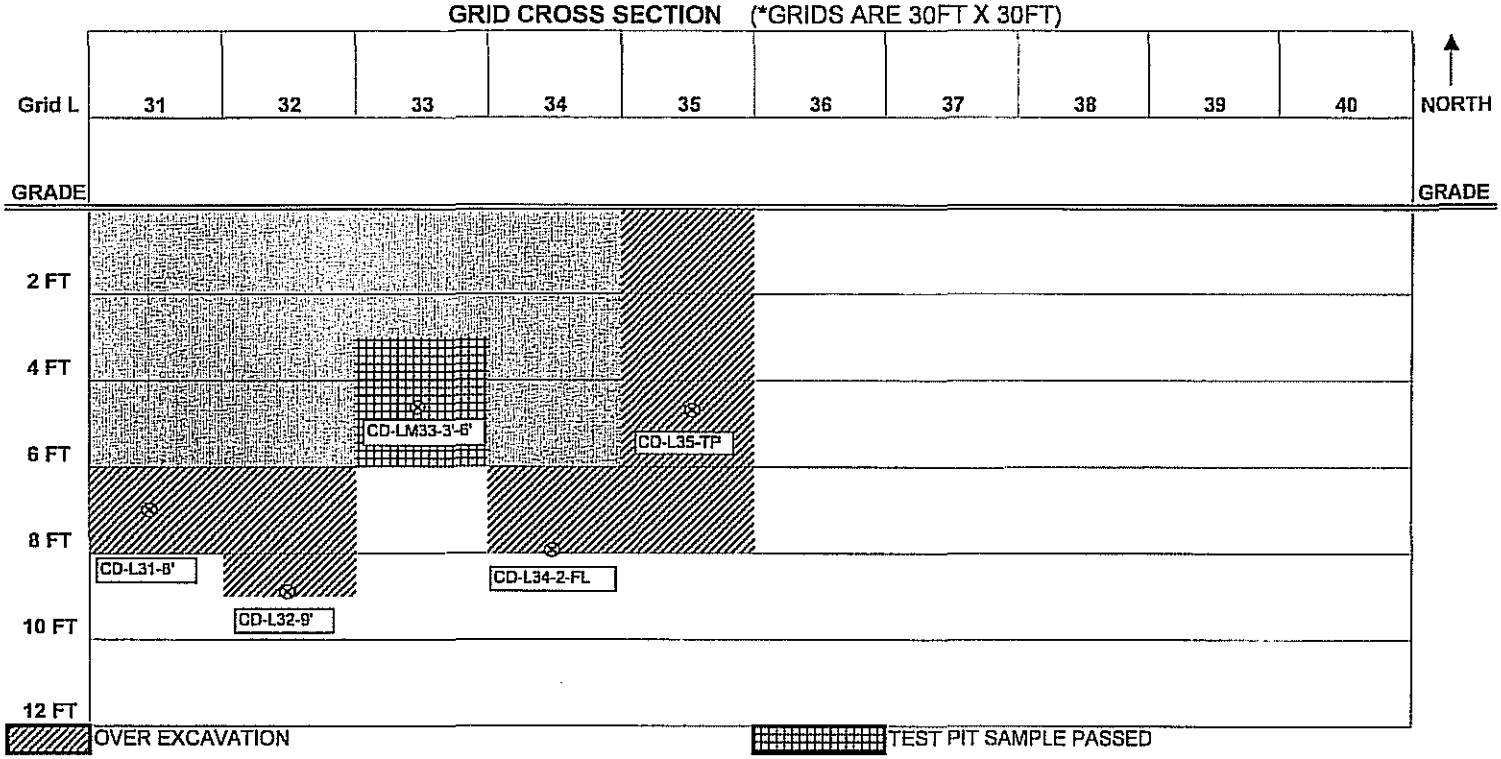
Michael Misiaszek
Sevenson Representative

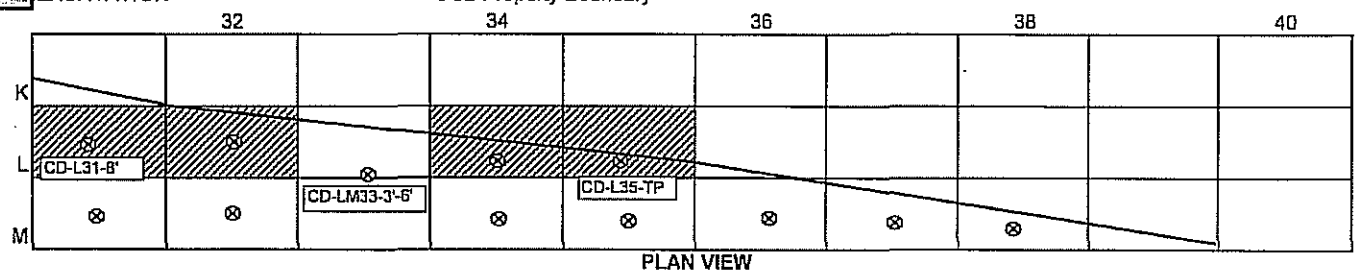
USEPA Representative

USACE Representative

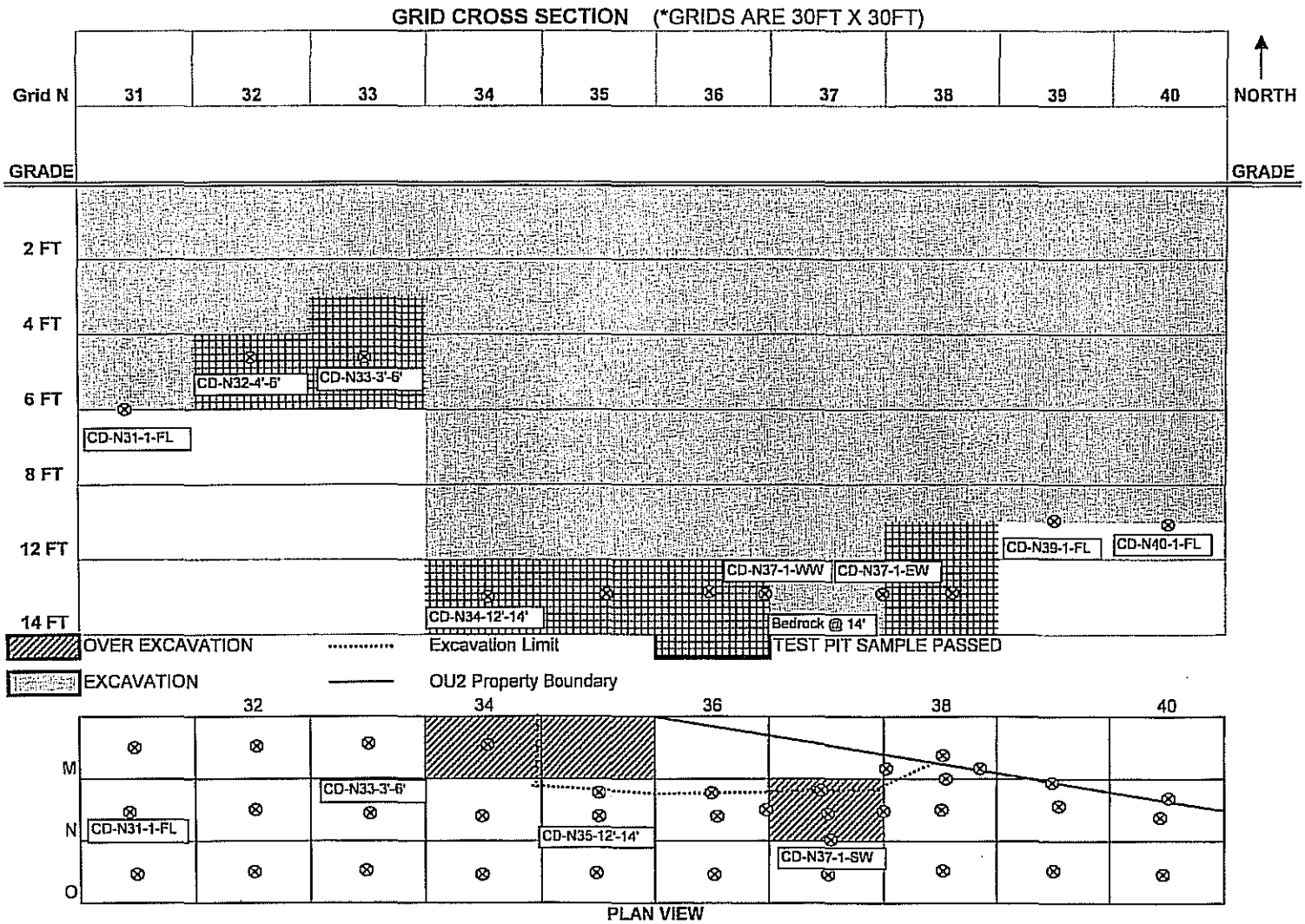
Attachments: Post-Excavation Results
**BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW


GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)
Grid N
31
32
33
34
35
36
37
38
39
40
NORTH
GRADE
GRADE
2 FT
4 FT
6 FT
8 FT
12 FT
14 FT
CD-N32-4'-6'
CD-N33-3'-6'
CD-N31-1-FL
CD-N39-1-FL
CD-N40-1-FL
CD-N37-1-WW
CD-N37-1-EW
CD-N34-12'-14'
Bedrock @ 14'
OVER EXCAVATION
Excavation Limit
TEST PIT SAMPLE PASSED
EXCAVATION
OU2 Property Boundary
32
34
36
38
40
M
N
O
CD-N33-3'-6'
CD-N31-1-FL
CD-N35-12'-14'
CD-N37-1-SW
PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/Backfill Authorization

Date: 06/27/11

Grid number: N35

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
14 ft	12 ft	Yes	n/a

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: On 05/11/2011 a test pit was dug and sampled in the grid N-35. The sample was a composite of the material from 12'-14'. Results demonstrate no exceedances above project ROD criteria and Sevenson recommends backfilling. Material will be excavated and used as on-site fill, removing all sidewall samples. Eventually, backfill will be placed to the sub grade elevation per final engineering controls. Soil samples labeled: CD-N35-12'-14' and CD-N35-1-NW.

The above listed work is accepted:

Michael Misiaszek
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Post-Excavation Results
**BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/Backfill Authorization

Date: 06/27/11

Grid number: N36

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
14 ft	12 ft	Yes	n/a

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: On 05/11/2011 a test pit was dug and sampled in the grid N-36. The sample was a composite of the material from 12'-14'. Results demonstrate no exceedances above project ROD criteria and Sevenson recommends backfilling. Material will be excavated and used as on-site fill, removing all sidewall samples. Eventually, backfill will be placed to the sub grade elevation per final engineering controls. Soil samples labeled: CD-N36-12'-14' and CD-N36-1-NW.

The above listed work is accepted:

Michael Misiaszek
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Post-Excavation Results
**BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 06/27/11

Grid number: N37

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
14 feet BG	14 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 14ft below grade to remove contaminated material, samples collected and analyzed. Bedrock hit @ 14' BG, no floor sample collected. Results demonstrate no exceedances above project ROD criteria and Sevenson recommends backfilling. Backfill will be placed to the sub grade elevation per final engineering controls. Soil samples labeled: CD-N37-1-EW, CD-N37-1-SW, CD-N37-1-WW, and CD-N37-1-NW.

The above listed work is accepted:

Michael Misiaszek
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Post excavation sample results (Spread Sheet)
**BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/Backfill Authorization

Date: 05/23/11

Grid number: N38

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
14 ft	10 ft	Yes	n/a

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: On 04/26/2011 a test pit was dug and sampled in the grid N-38. The sample was a composite of the material from 10'-14'. Results demonstrate no exceedances above project ROD criteria and Sevenson recommends backfilling. Material will be excavated and used as on-site fill, removing all sidewall samples. Eventually, backfill will be placed to the sub grade elevation per final engineering controls. Soil sample labeled: CD-N38-10'-14'.

The above listed work is accepted:

Michael Misiaszek
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Post-Excavation Results
**BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/Backfill Authorization

Date: 10/4/10

Grid number: T41

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
6 feet BG	6	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Grid was excavated to remove contaminated material at 6 feet below grade. final samples were collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with white demarcation geotextile on the base. treated soils and then. dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled: CD-T41-1-FL and CD-T42-1-EW.

The above listed work is accepted:

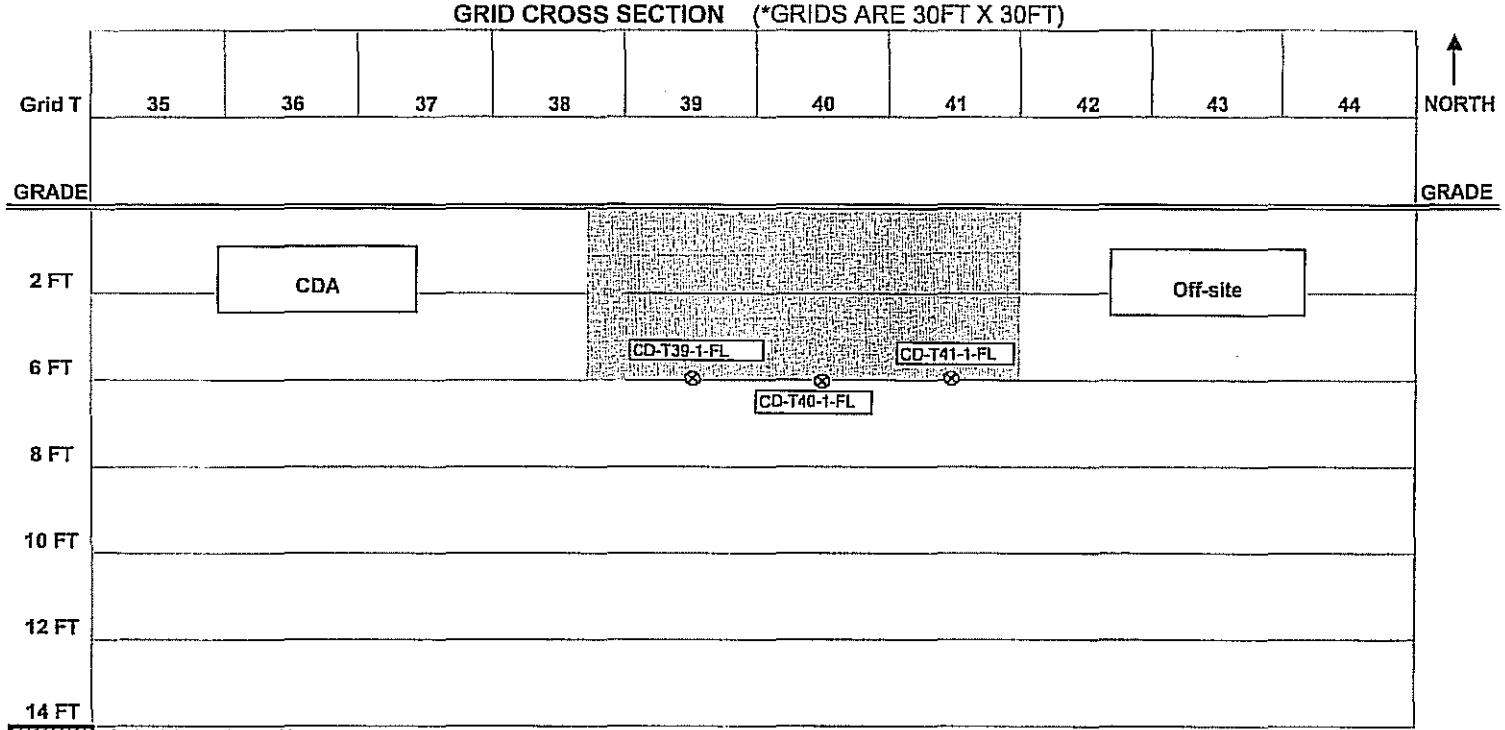
Patrick Carr
Sevenson Representative

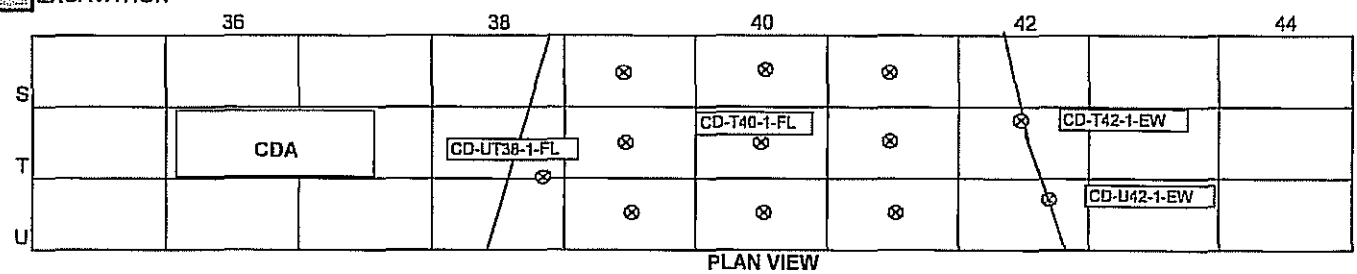
USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 10/6/10

Grid number: U41

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
6 feet BG	6 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 6ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with white demarcation geotextile on the base, treated soils and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled: CD-U41-1-FL and CD-U42-1-EW.

The above listed work is accepted:

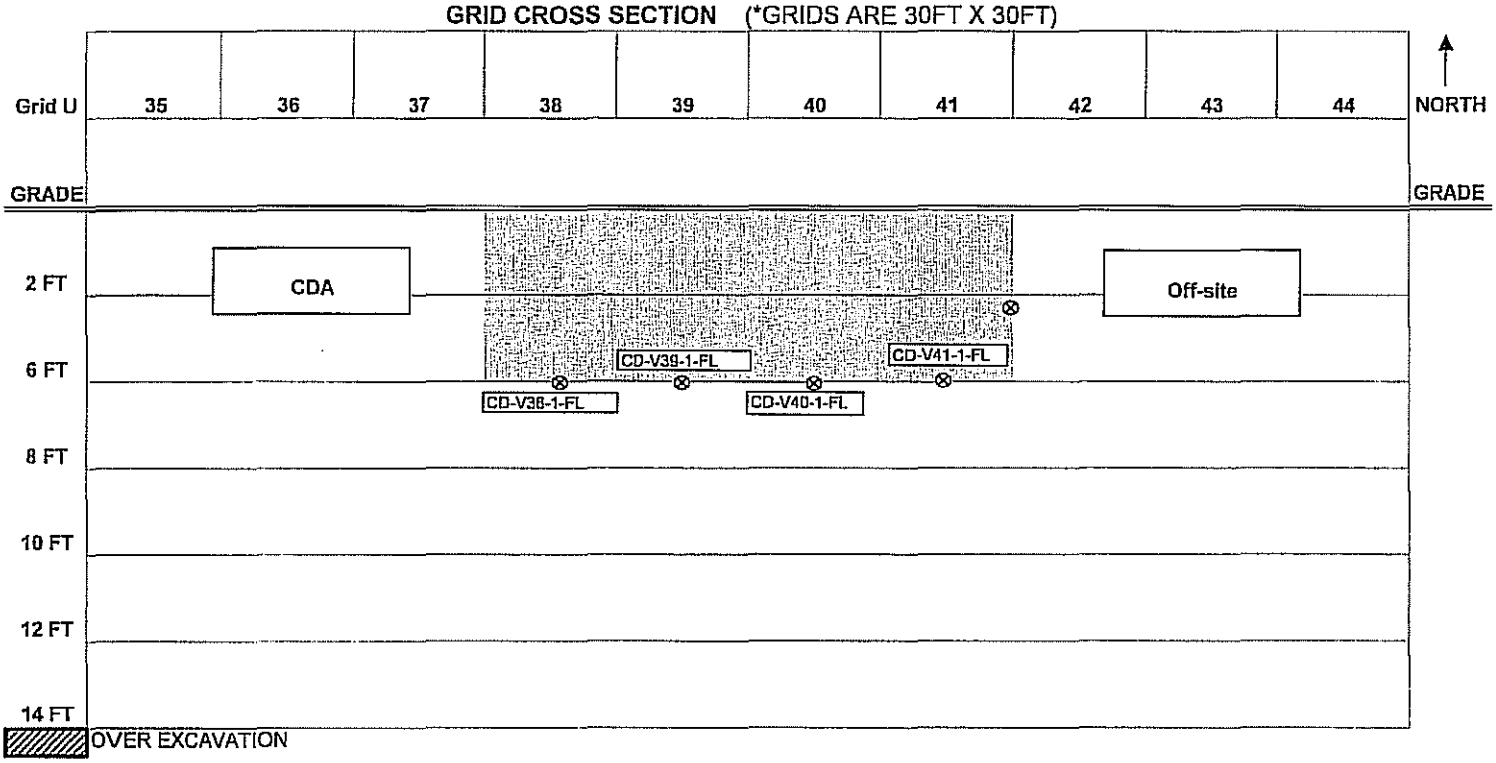
Patrick Carr
Sevenson Representative

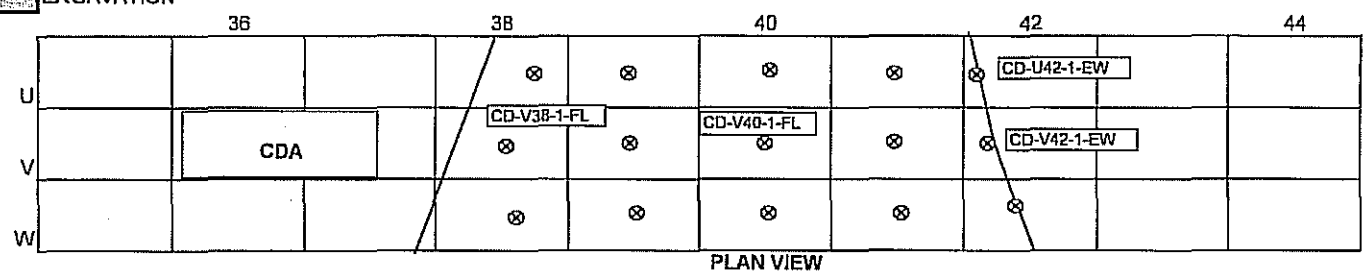
USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

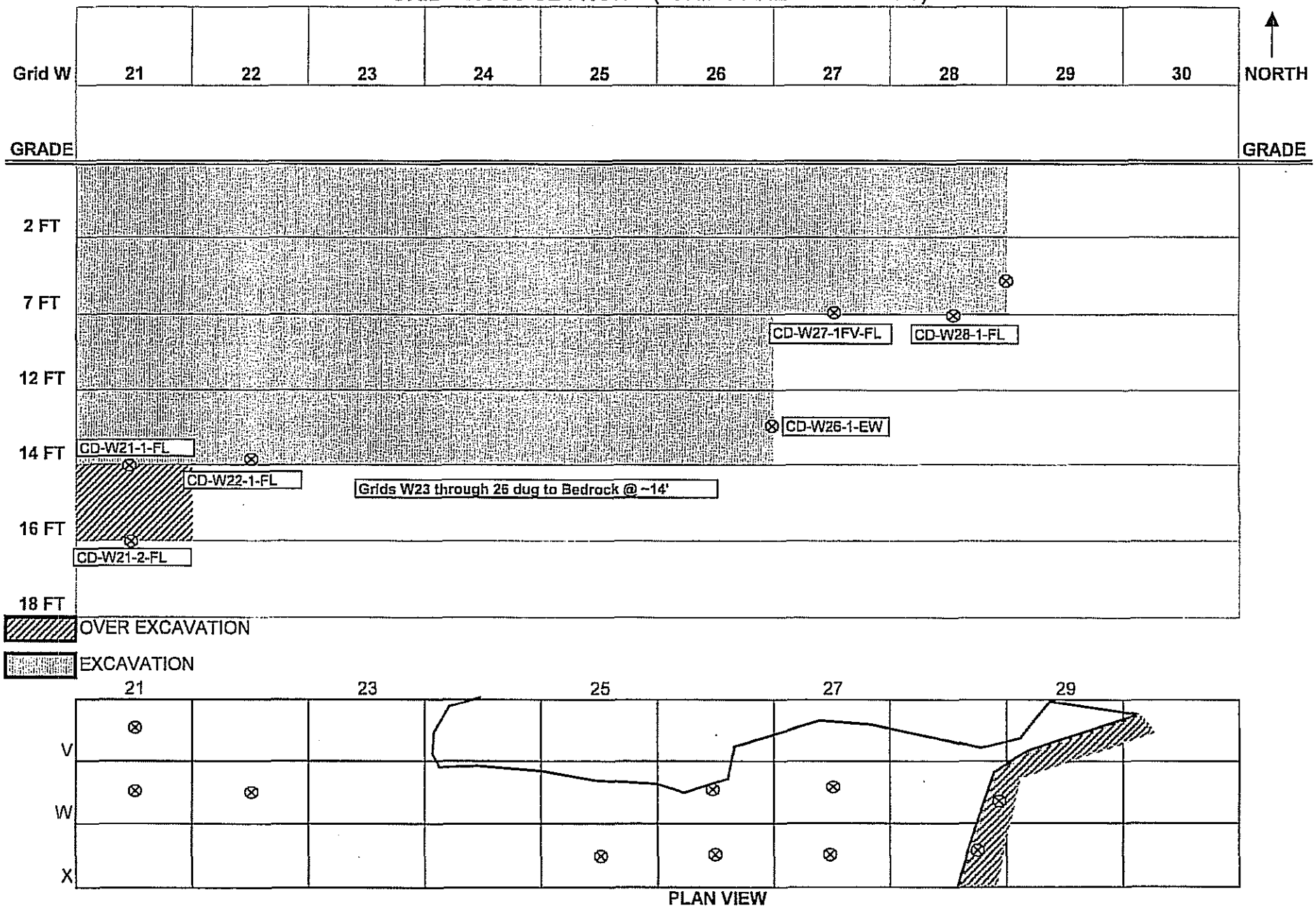




PLAN VIEW

W-30

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)



PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/Backfill Authorization

Date: 06/15/10

Grid number: R3

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 2ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with white demarcation geotextile on the base, treated soils and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled: CD-R3-1-FL and CD-R2-1-WW.

The above listed work is accepted:

Patrick Carr
Sevenson Representative

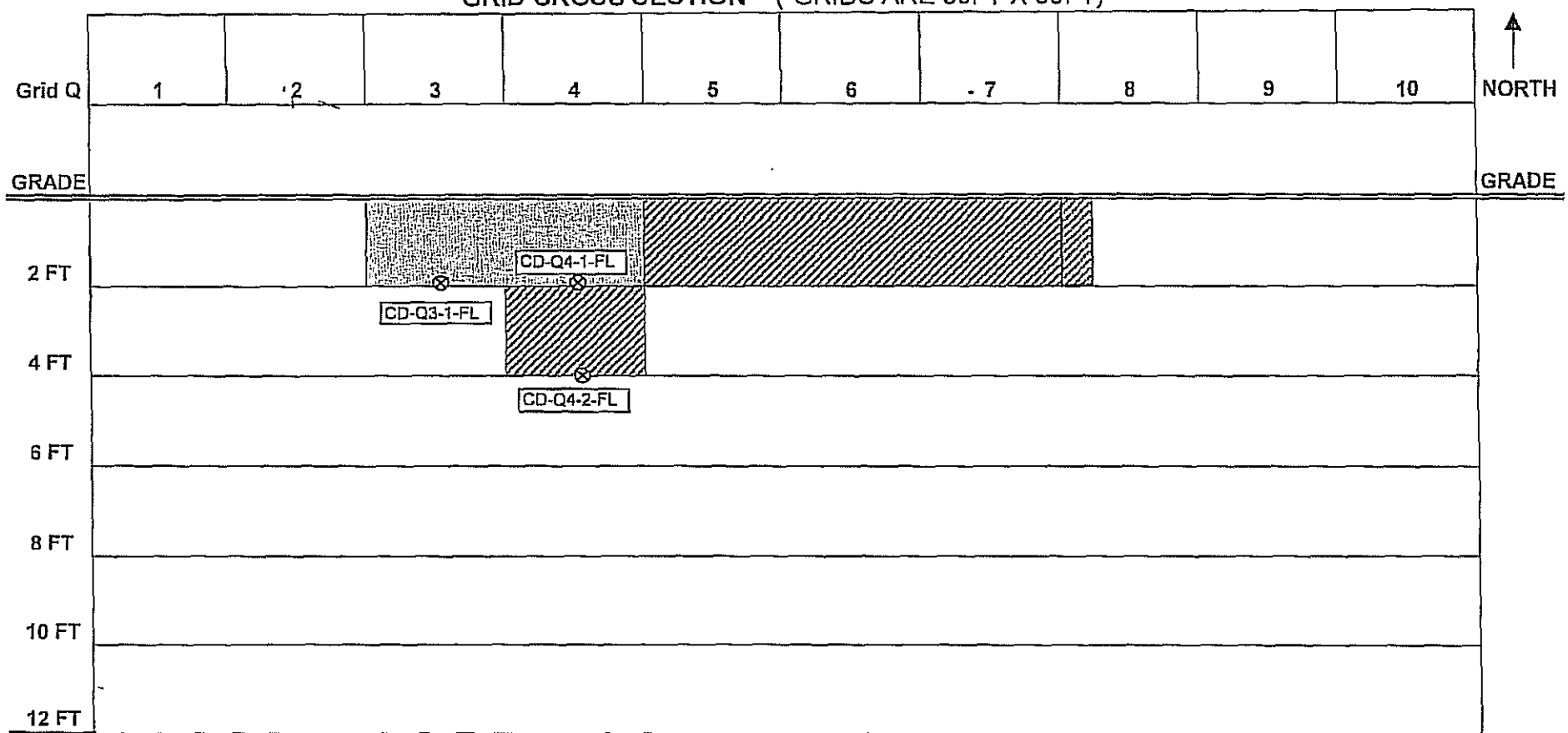
USEPA Representative

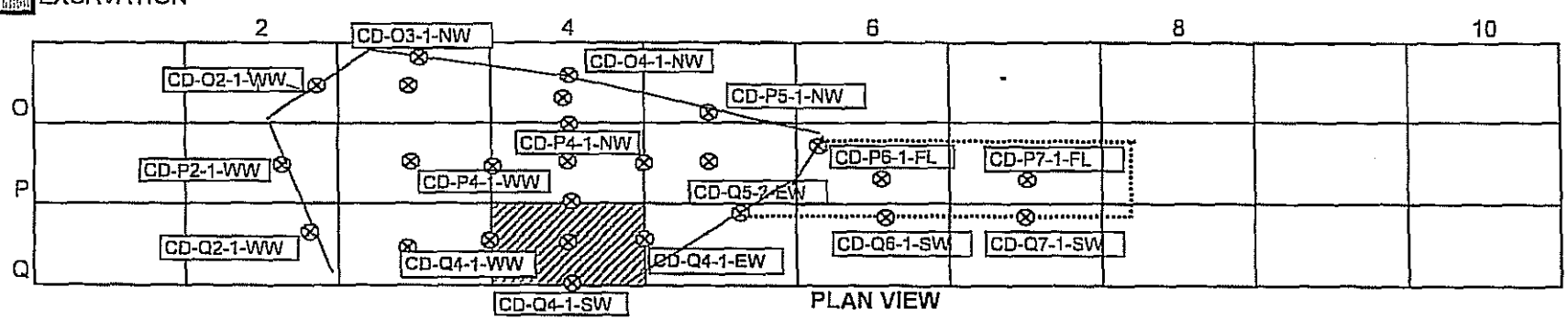
USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

Q5, 6, 7

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 08/02/10

Grid number: L4

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 2ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with white demarcation geotextile on the base, treated soils and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil sample labeled: CD-L4-1-SW.

The above listed work is accepted:

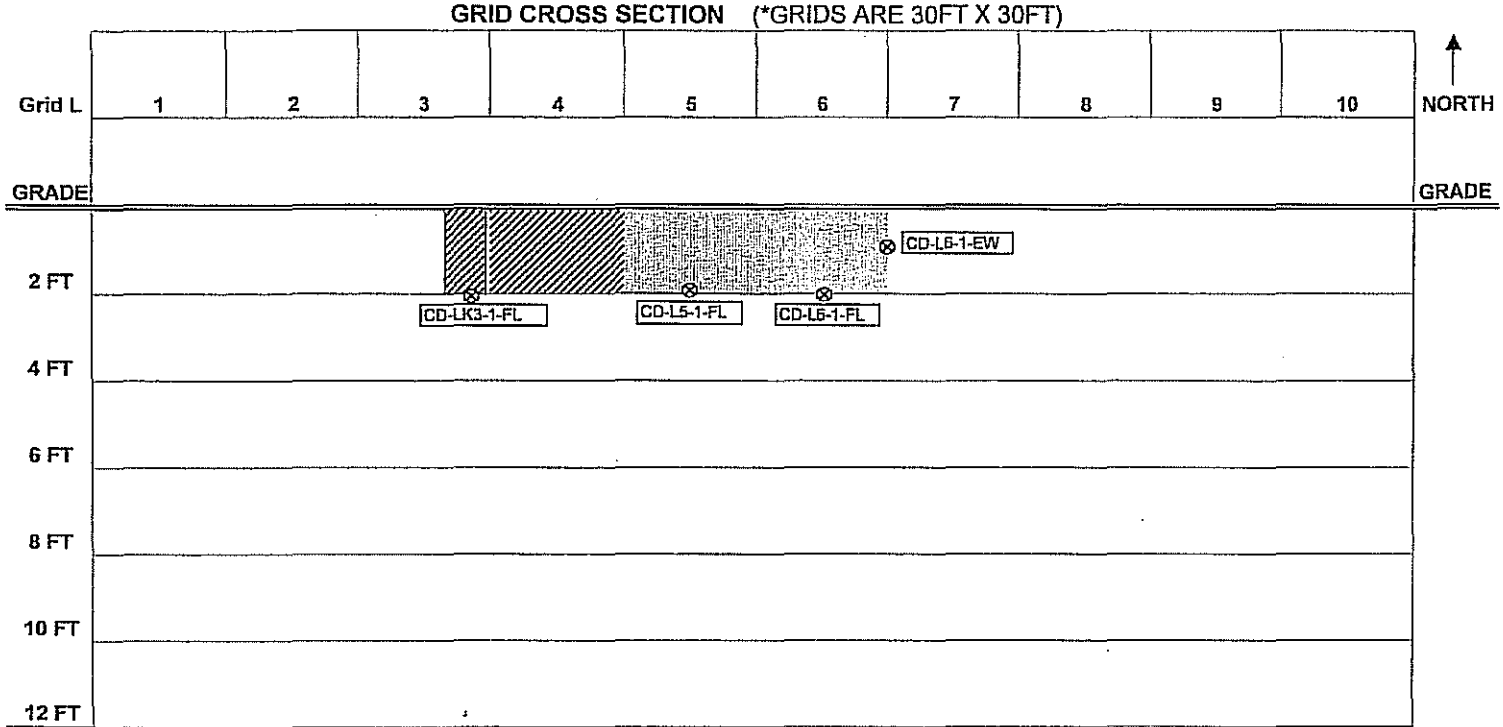
Michael Misiaszek
Sevenson Representative

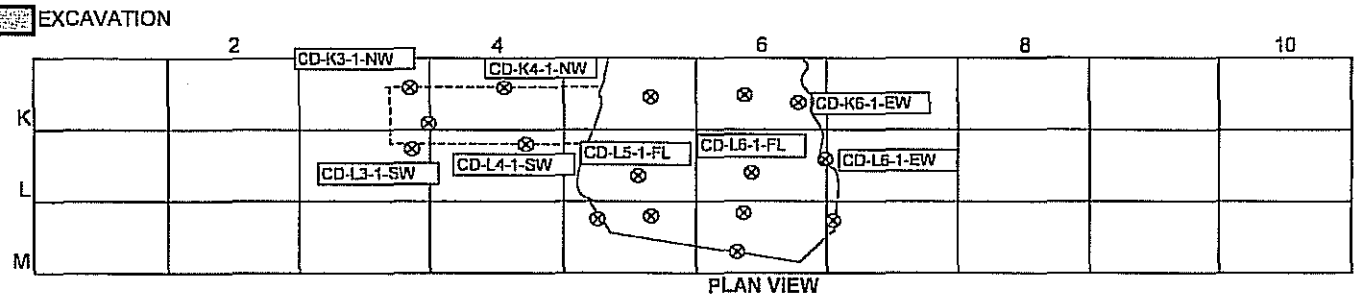
USEPA Representative

USACE Representative

Attachments: Post excavation sample results (Spread Sheet),
**BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/Backfill Authorization

Date: 8/4/2009

Grid number: A & B14

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	2 feet BG	Yes	8/3/2009

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soil samples collected and analyzed. Results demonstrate no exceedences above project clean up criteria and Sevenson recommends backfilling. Excavation area to be backfilled first with geotextile on the base and up the walls. Then, dense graded aggregate will be placed in 9 inch compacted lifts, tested for compaction requirements in accordance with the specifications and receive final asphalt capping. Sample Points in grid are: A-14SW, B-14F, B-14SW.

The above listed work is accepted:

Michael Misiaszek
Sevenson Representative

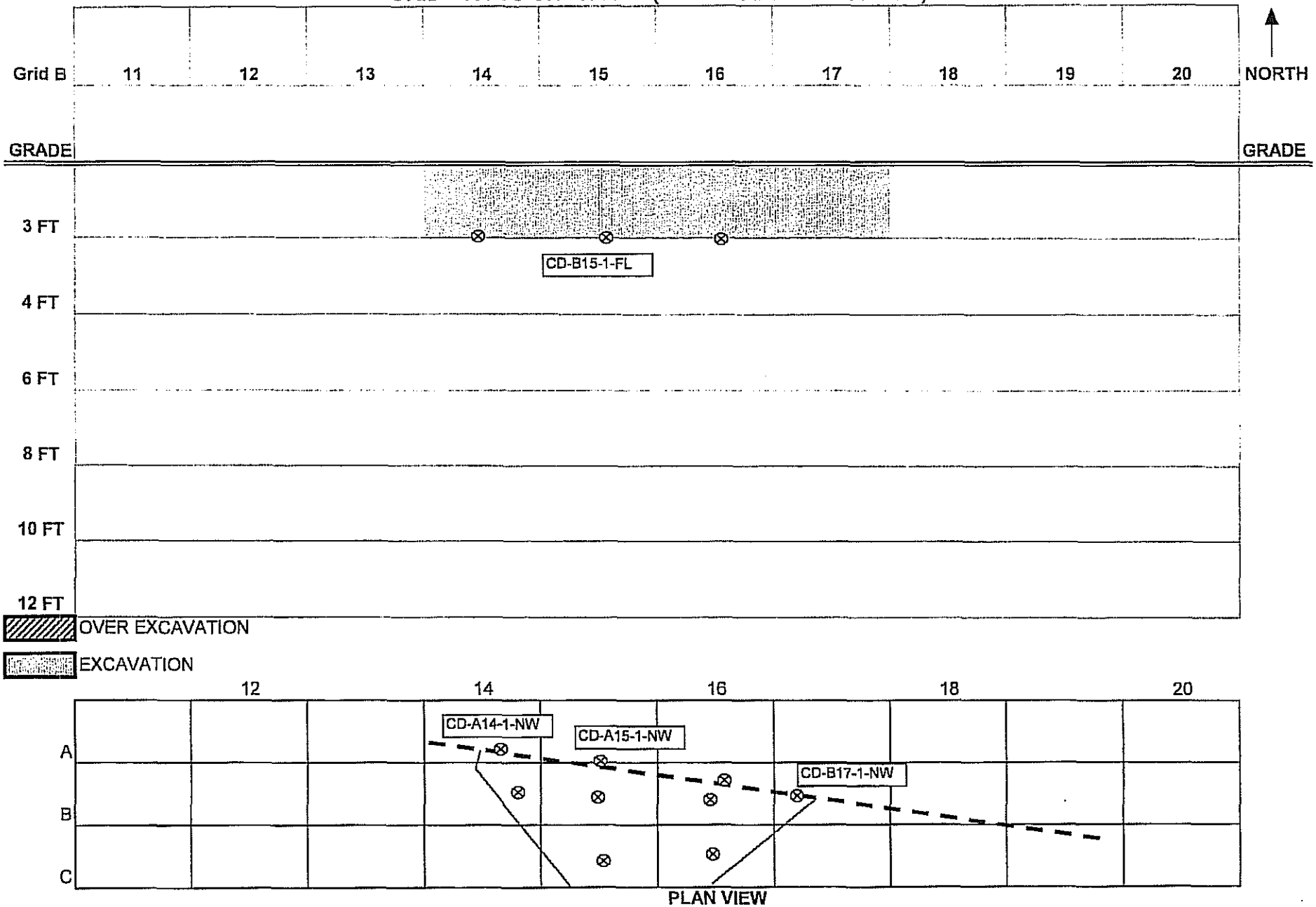
USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet)
BG= Below Grade

B-17

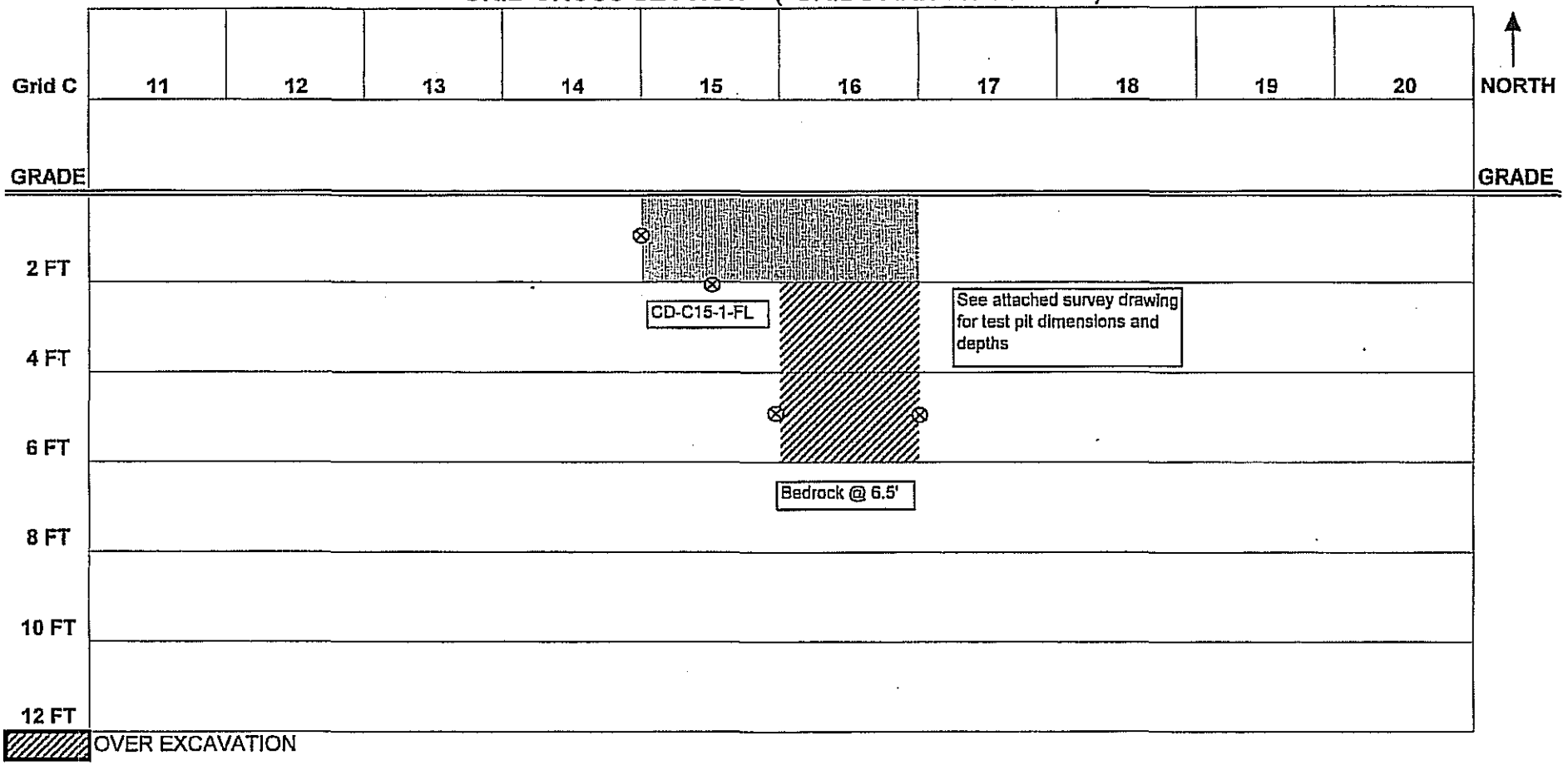
GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

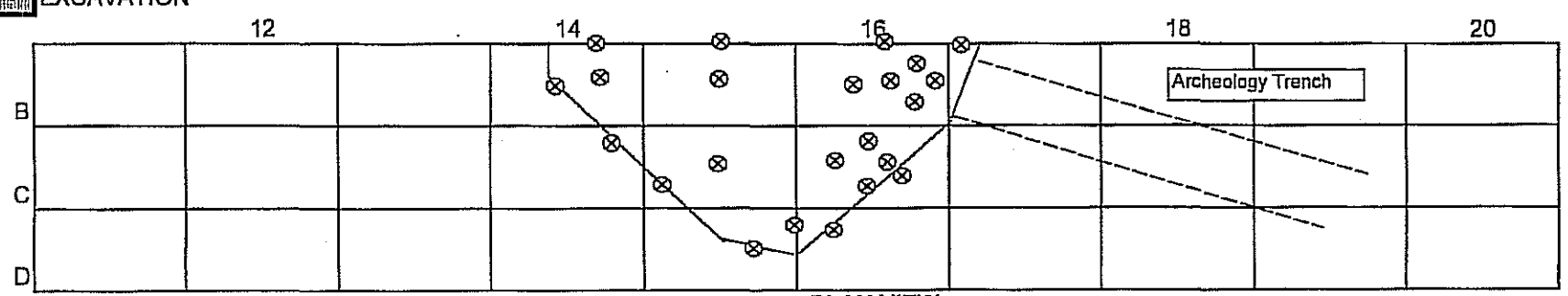


PLAN VIEW

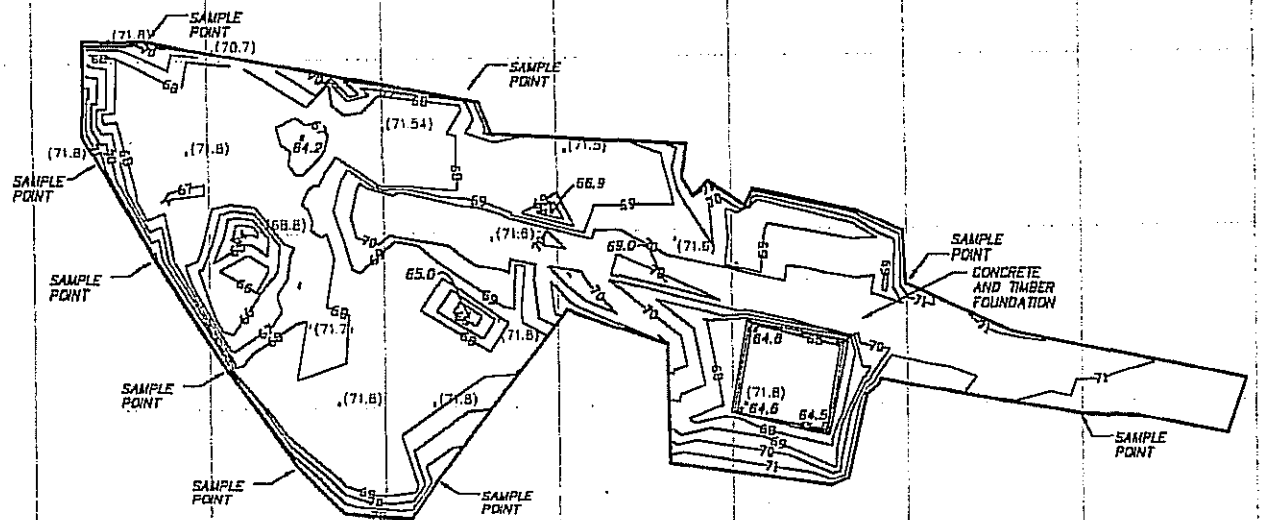
C-16, 17

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW



X (71.8) =Previous Grades

GRAPHIC SCALE

30 0 15 30 60 120

1 inch = 30 ft.

NOTE:
1. INFORMATION SHOWN HEREON BASED ON AN ACTUAL FIELD SURVEY PERFORMED BY MOUNTAIN VIEW LAYOUT ON 08/03/09

NORTH AREA DIG
CORNELL
SUPERFUND SITE

South Plainfield, NJ

JOB NUMBER	FIELD
MVL0744	BEN
SCALE	DRAWN
1" = 30'	BEN
DATE	CHECKED
08/10/09	DCA

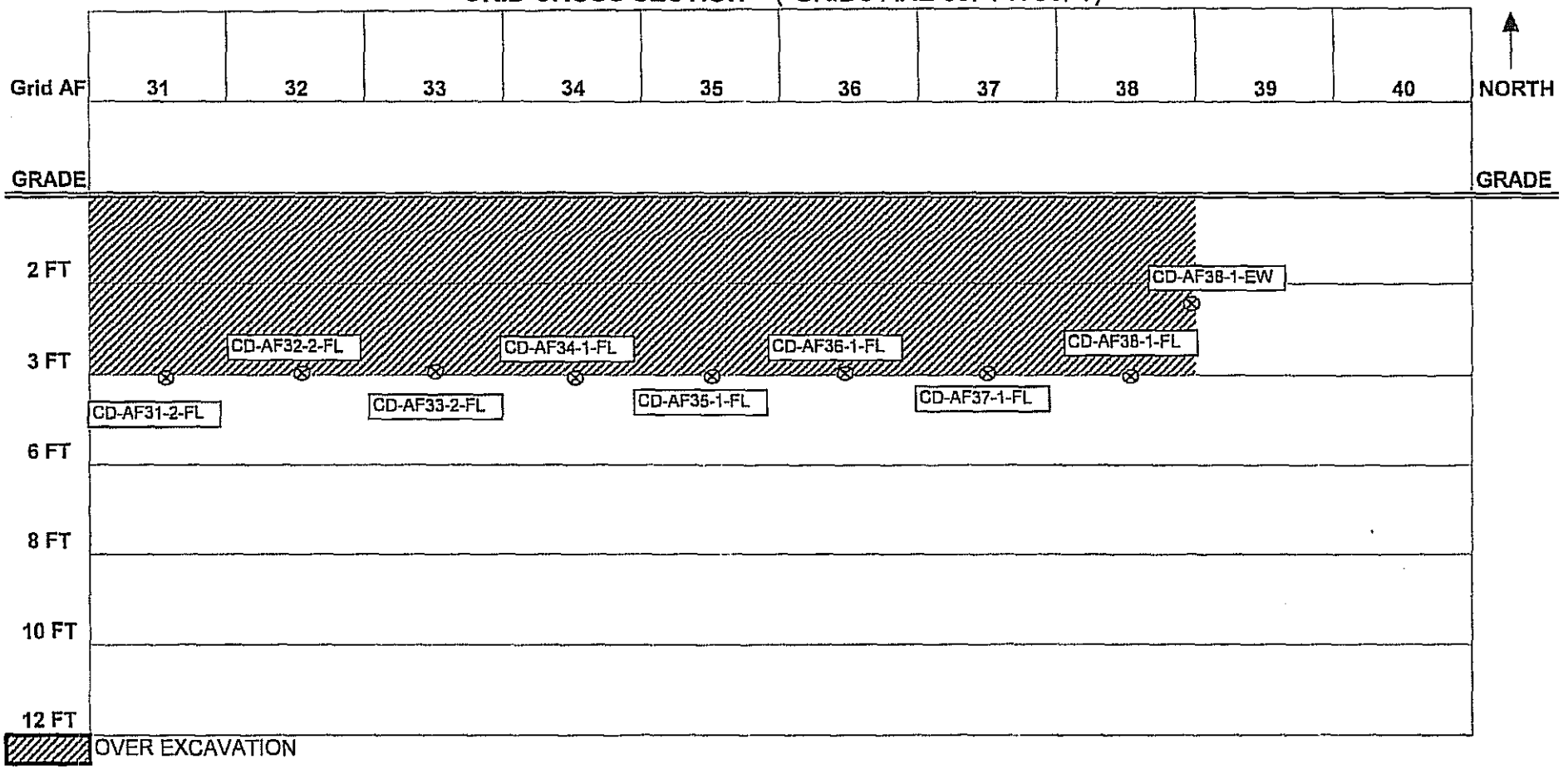
Mountain View Layout
Land Surveying & Construction Layout
Certificate of Authorization #24GA27978600
www.MountainViewLayout.com
117 Hibernia Avenue – Rockaway, NJ (973) 627-0029
126 Shaub Road – Clarksboro, NJ (856) 415-1133

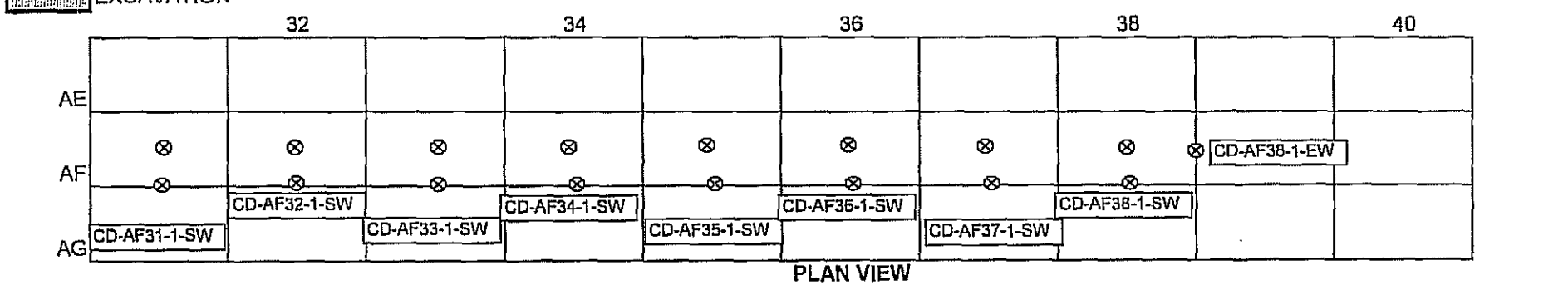
MARC J. CIFONE
PROFESSIONAL LAND SURVEYOR

MARC J. CIFONE N.J.P.L.S LIC. No. GS 41329

AF 36 NW

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 02/16/10

Grid number: AC35

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
Outside Limits	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soil sample collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with geotextile on the base and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled : CD-AC35-1-FL

The above listed work is accepted:

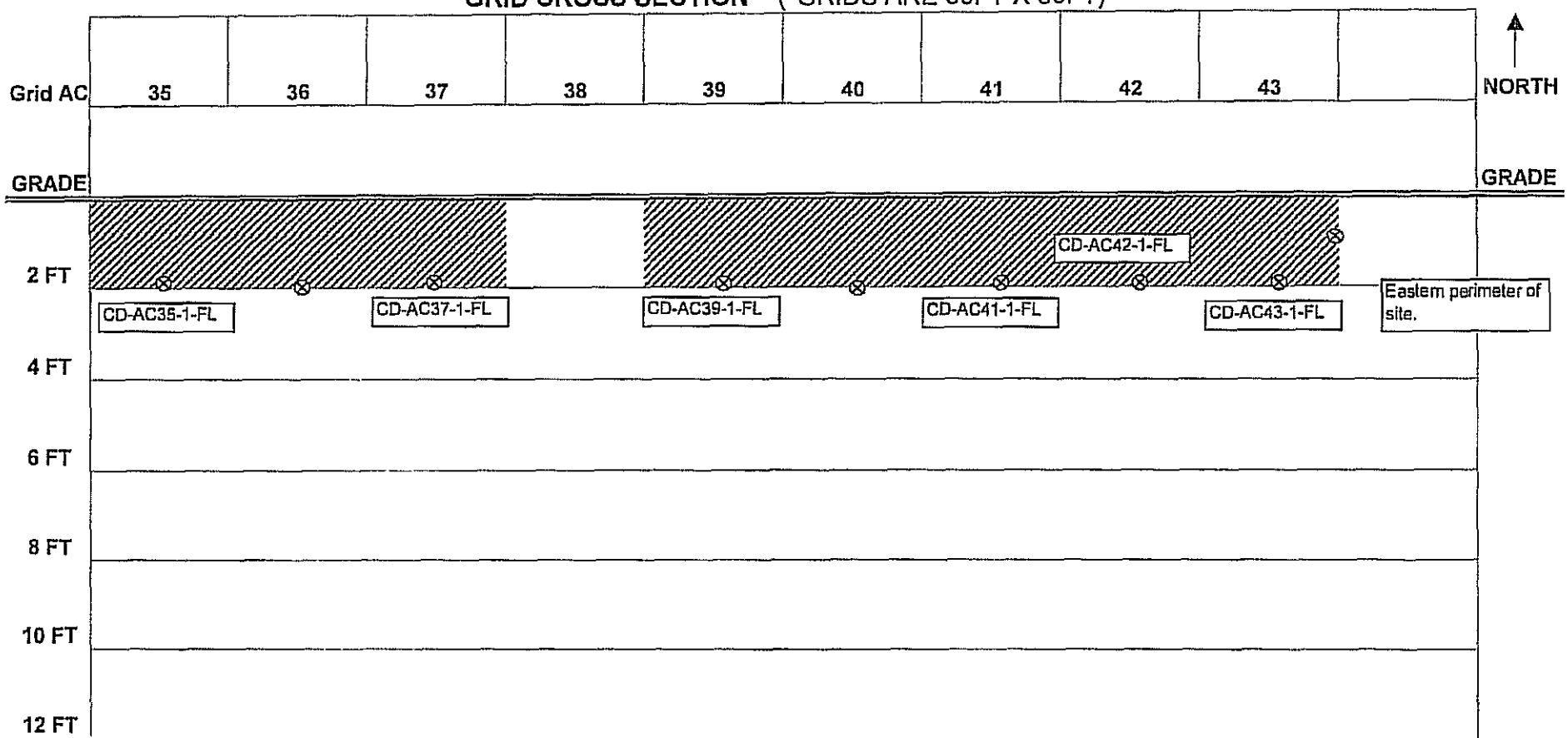
Patrick Carr
Sevenson Representative

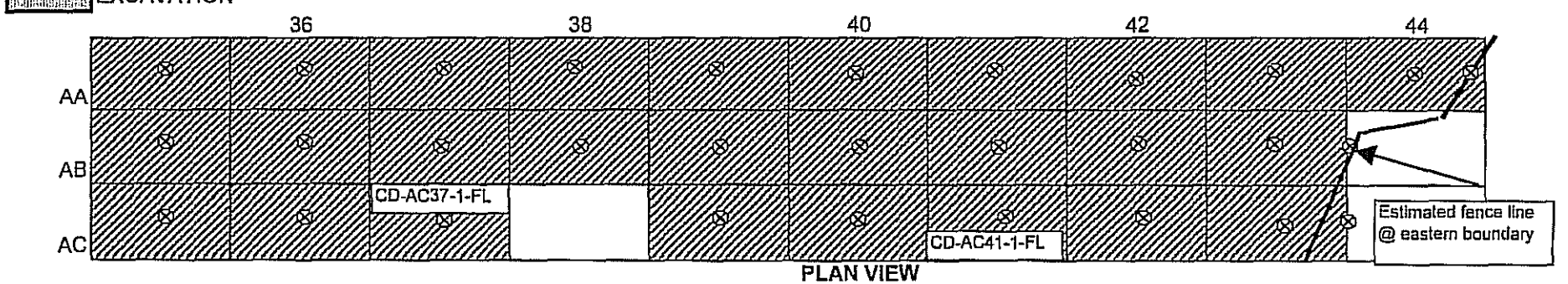
USEPA Representative

USACE Representative

Attachments: Post excavation sample results (Spread Sheet)
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

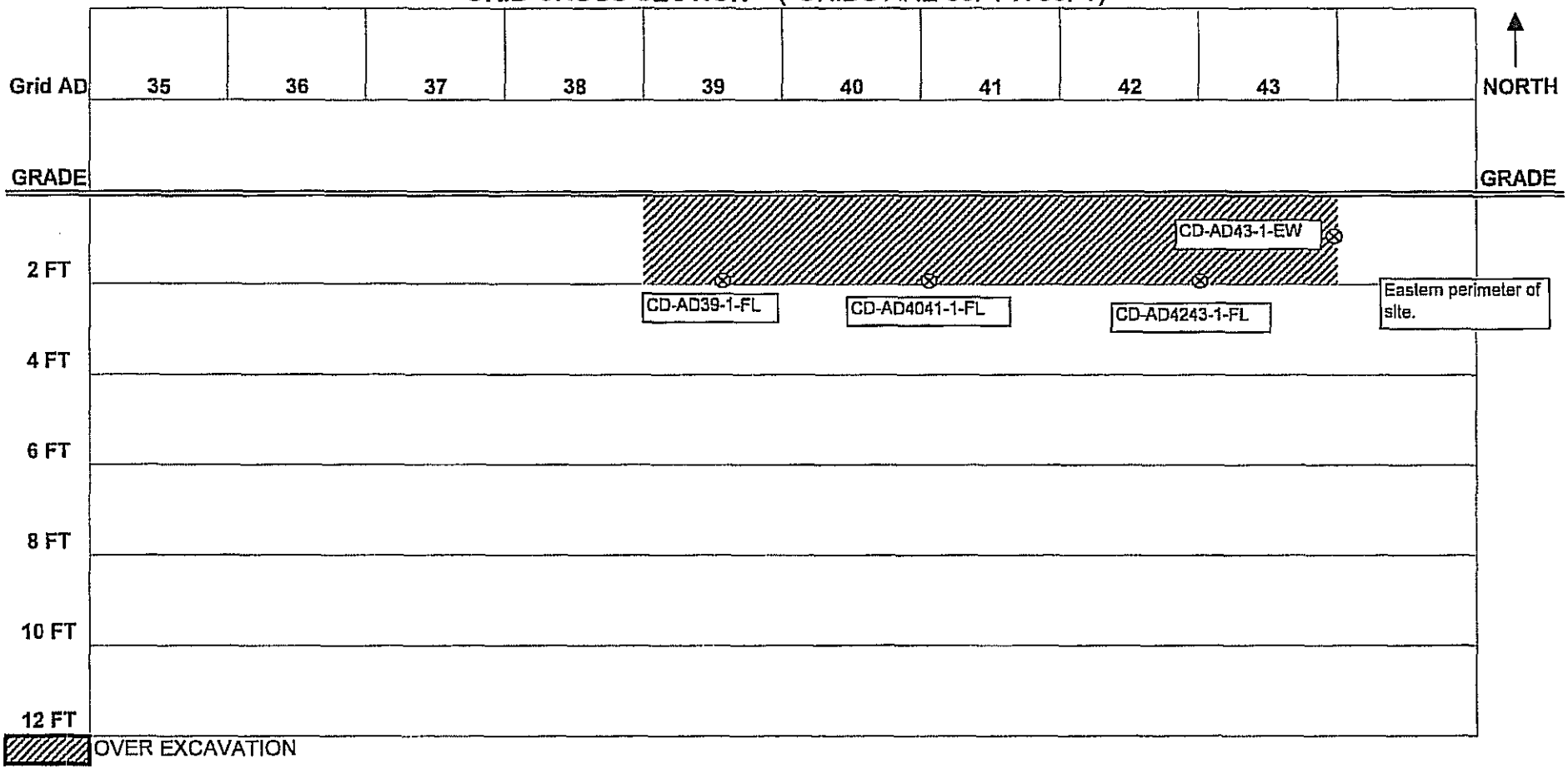


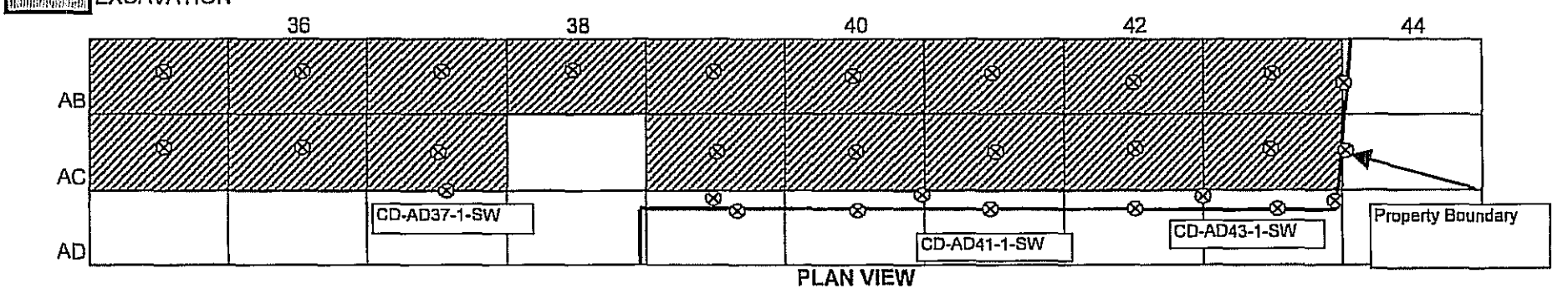


PLAN VIEW

AC / AD AREA

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

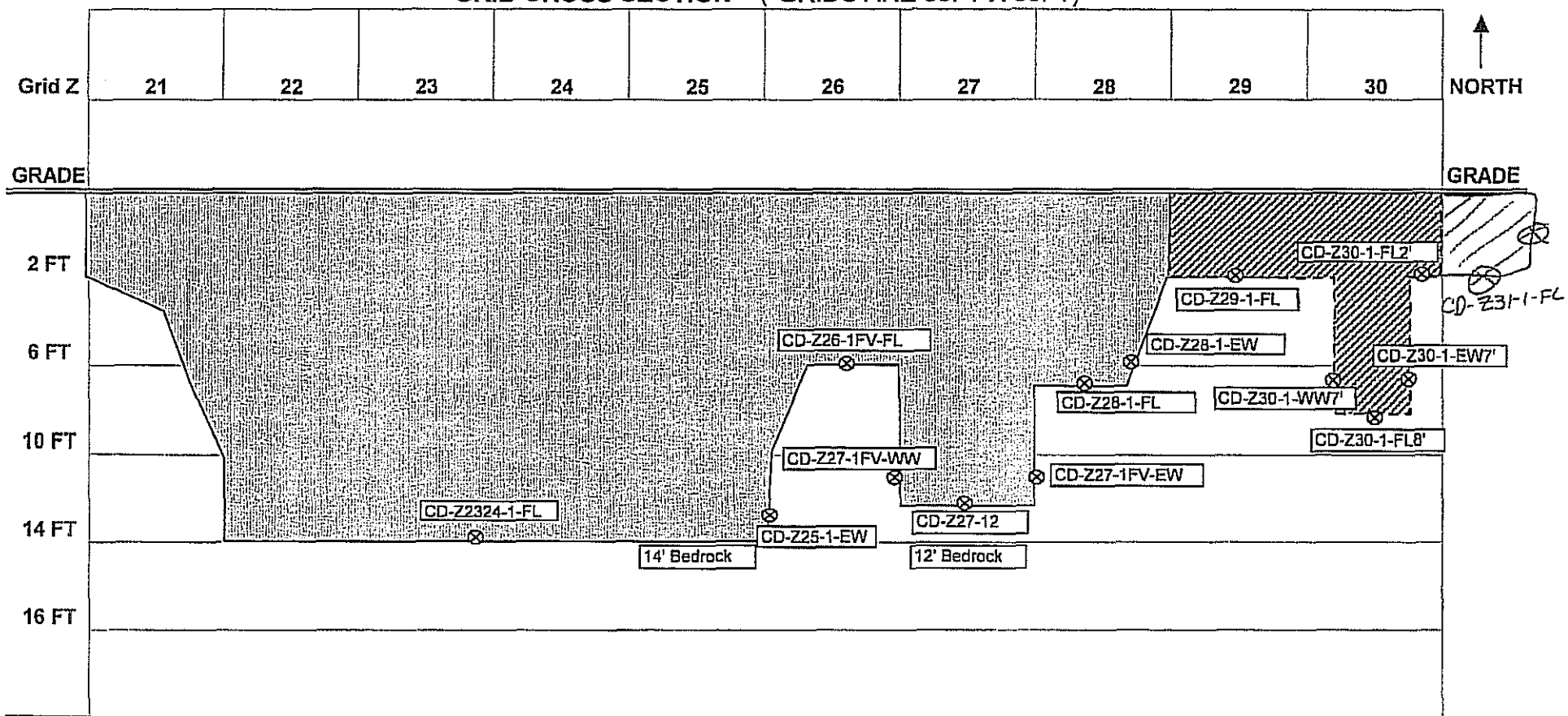


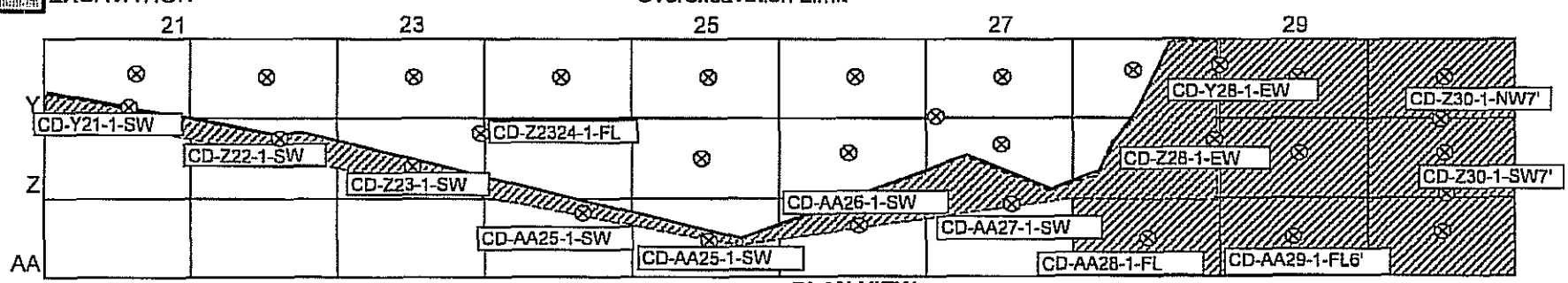


PLAN VIEW

Z-22

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 10/16/09

Grid number: AC17/AC18

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
N/A	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soil sample collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with geotextile on the base and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled : CD-AC17-1-WW, and CD-AC18-1-SW.

The above listed work is accepted:

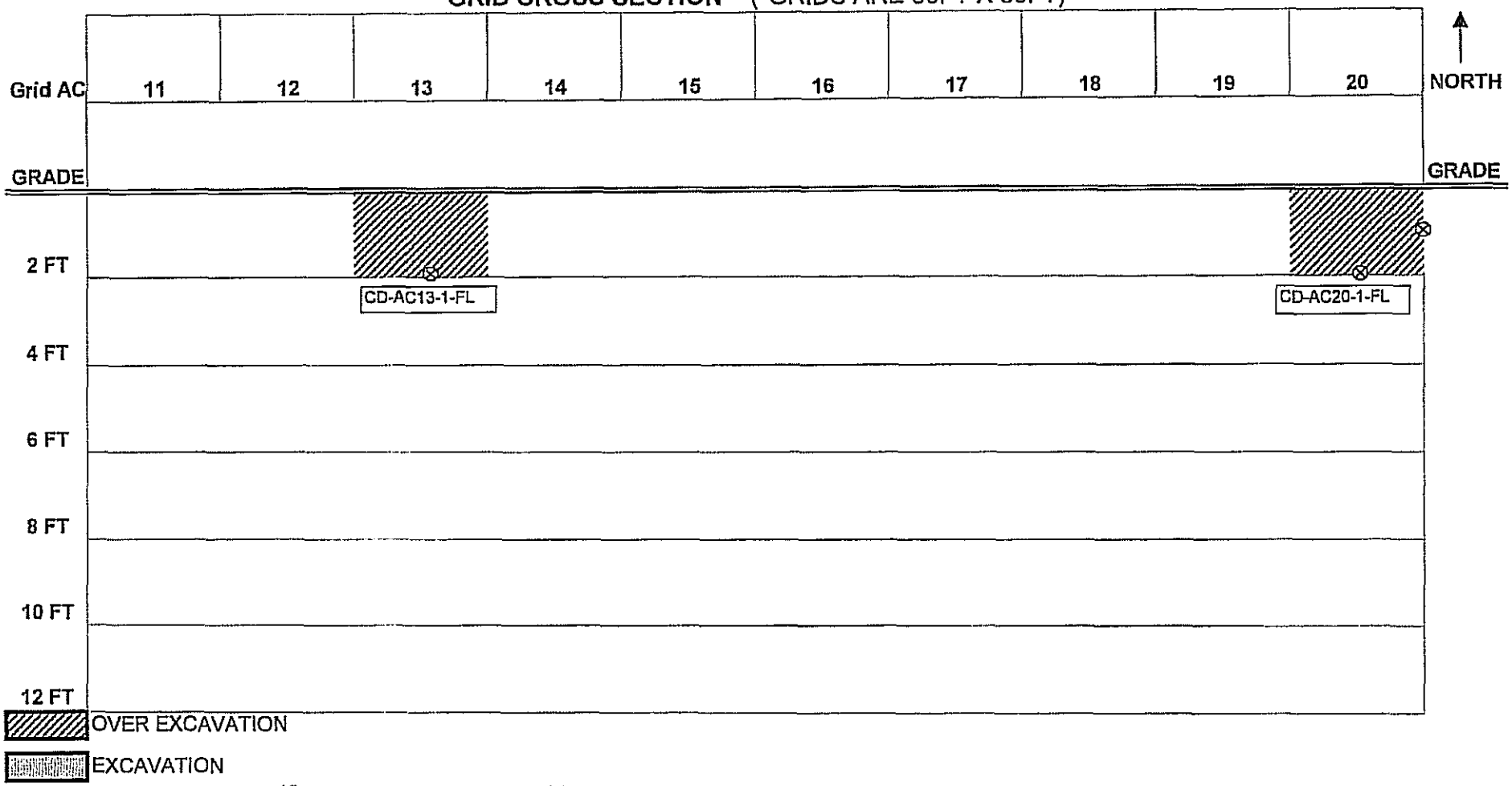
FC Patrick Cirri 10/16/09
Sevenson Representative

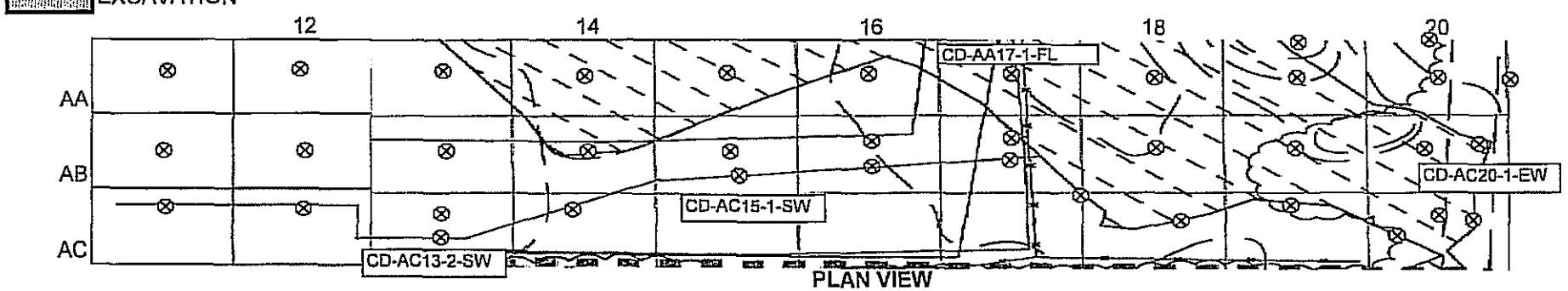
10/21/09
USEPA Representative

Patrick Agamo
USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 10/16/09

Grid number: AC20

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
N/A	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soil sample collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Excavation proceeded outside contract limits per USEPA and USACE approval to remove capacitors encountered to a total depth of 2 feet below grade. Backfill will be first with geotextile on the base and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled : CD-AC20-1-FL , CD-AC20-1-EW and CD-AC20-1-WW.

The above listed work is accepted:

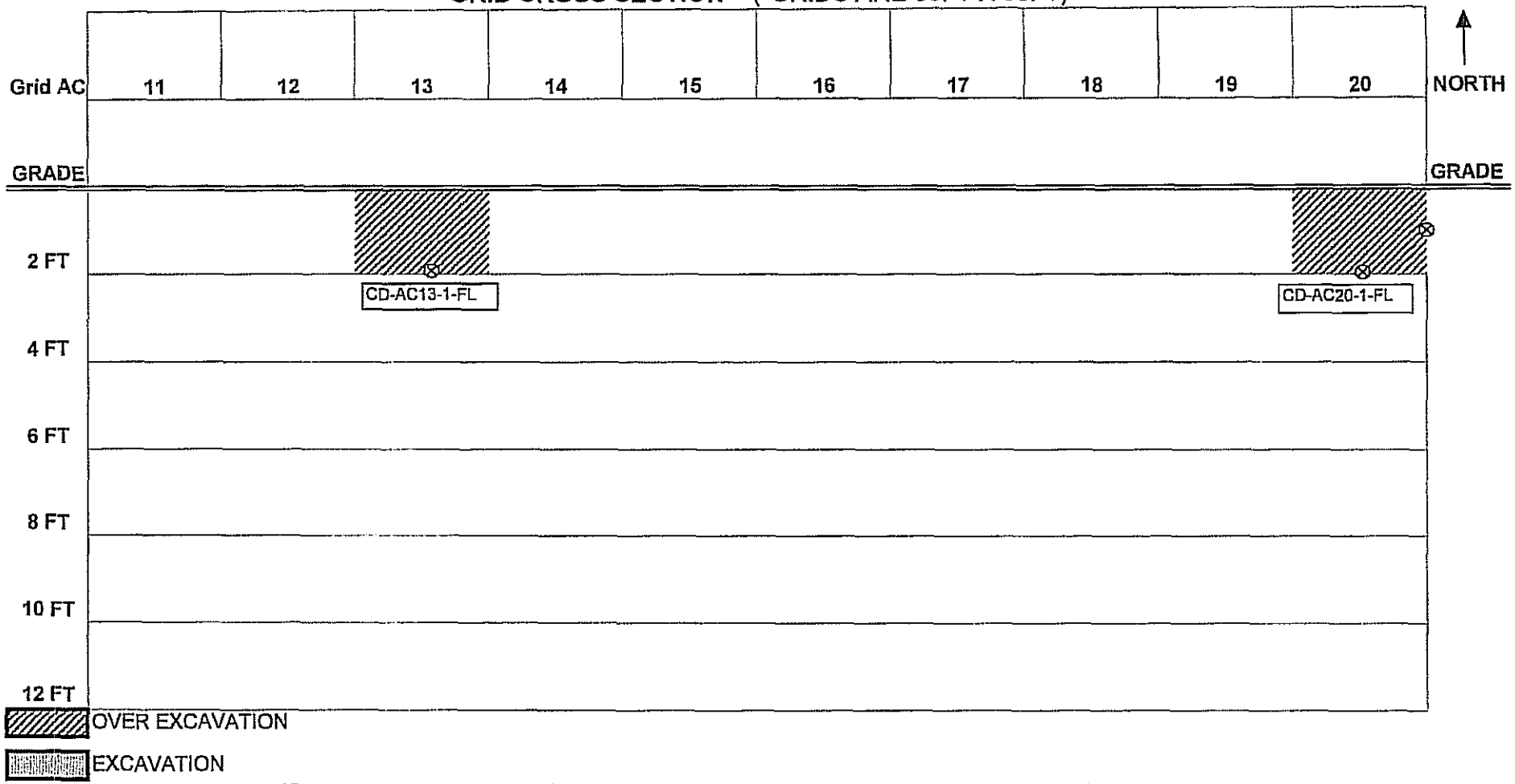
Patrick Cain 10/16/09
Sevenson Representative

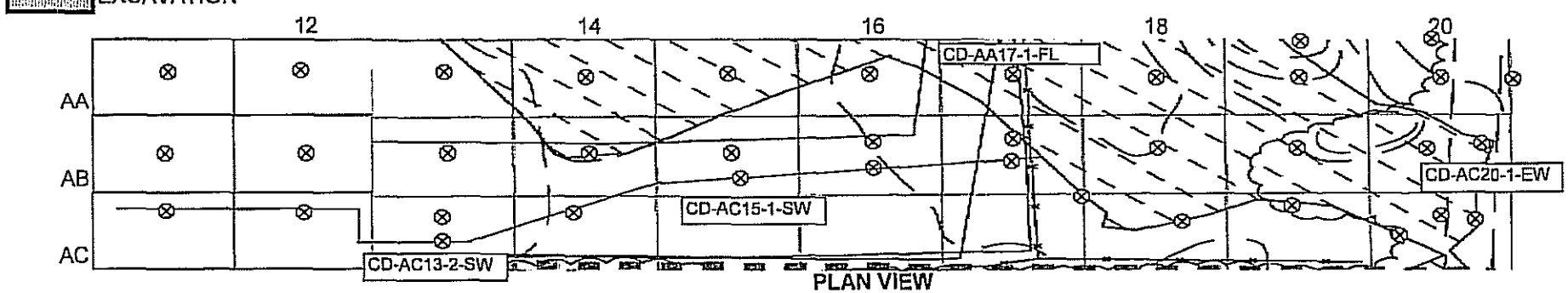
10/21/09
USEPA Representative

Patrick Vaimont
USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

X-10 Swan

Date: 09/15/09

Grid number: Y9/Y10

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 2ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedances above project ROD criteria and Sevenson recommends backfilling. Backfill will be placed to the sub grade elevation per final engineering controls. Soil samples labeled: CD-Y9-1-SW and CD-Y10-1-SW.

The above listed work is accepted:

Michael Misiaszek
Sevenson Representative

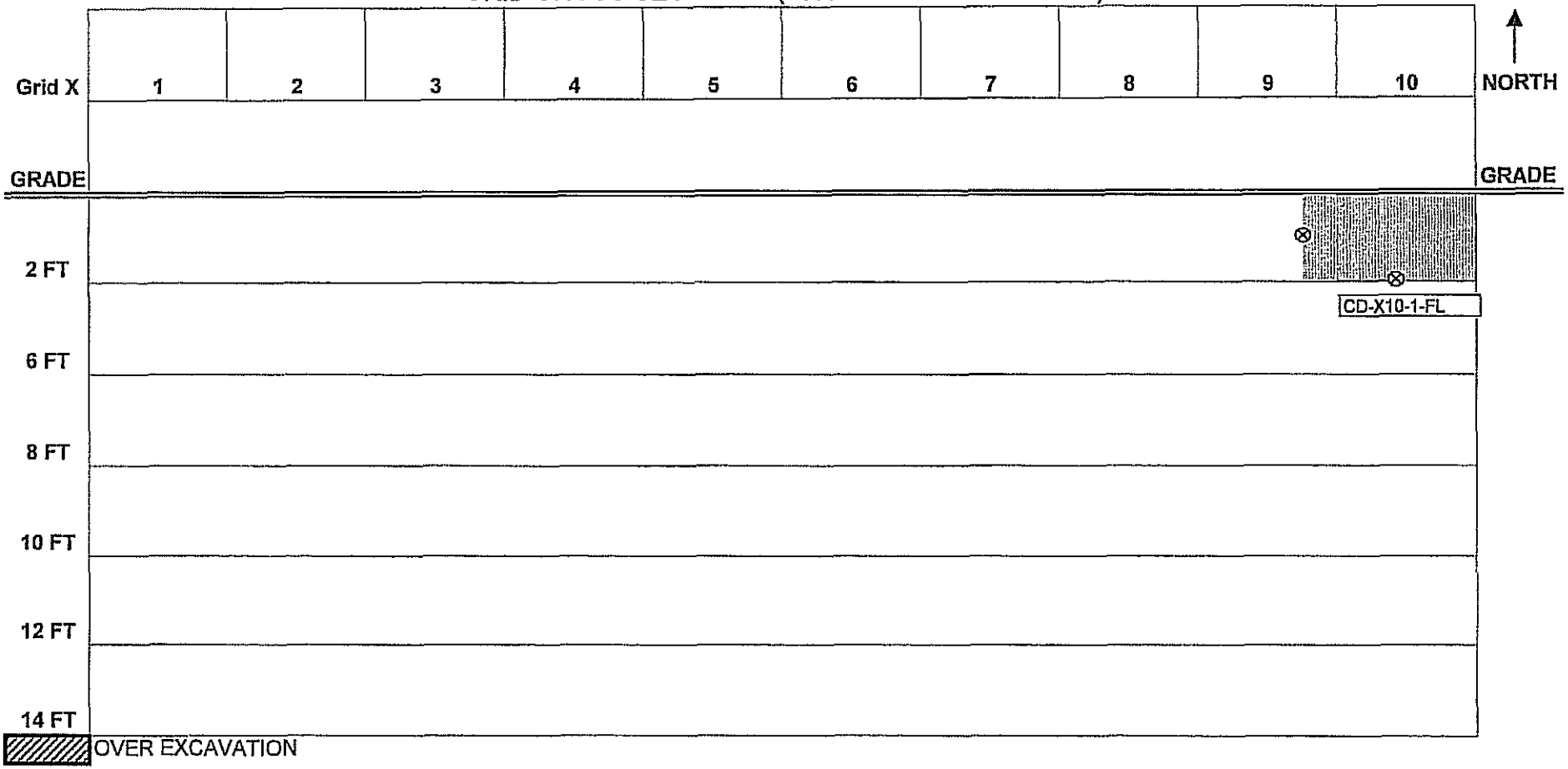
USEPA Representative

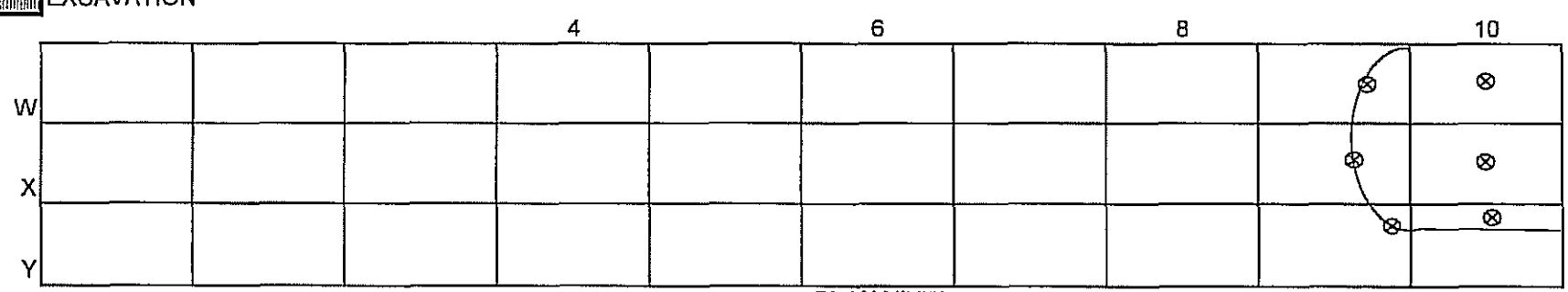
USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet)
**BG= Below Grade

X10 BUTTS -410

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 10/01/10

Grid number: R13

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 2ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with white demarcation geotextile on the base, treated soils and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled: CD-R13-1-FL and CD-R12-1-WW.

The above listed work is accepted:

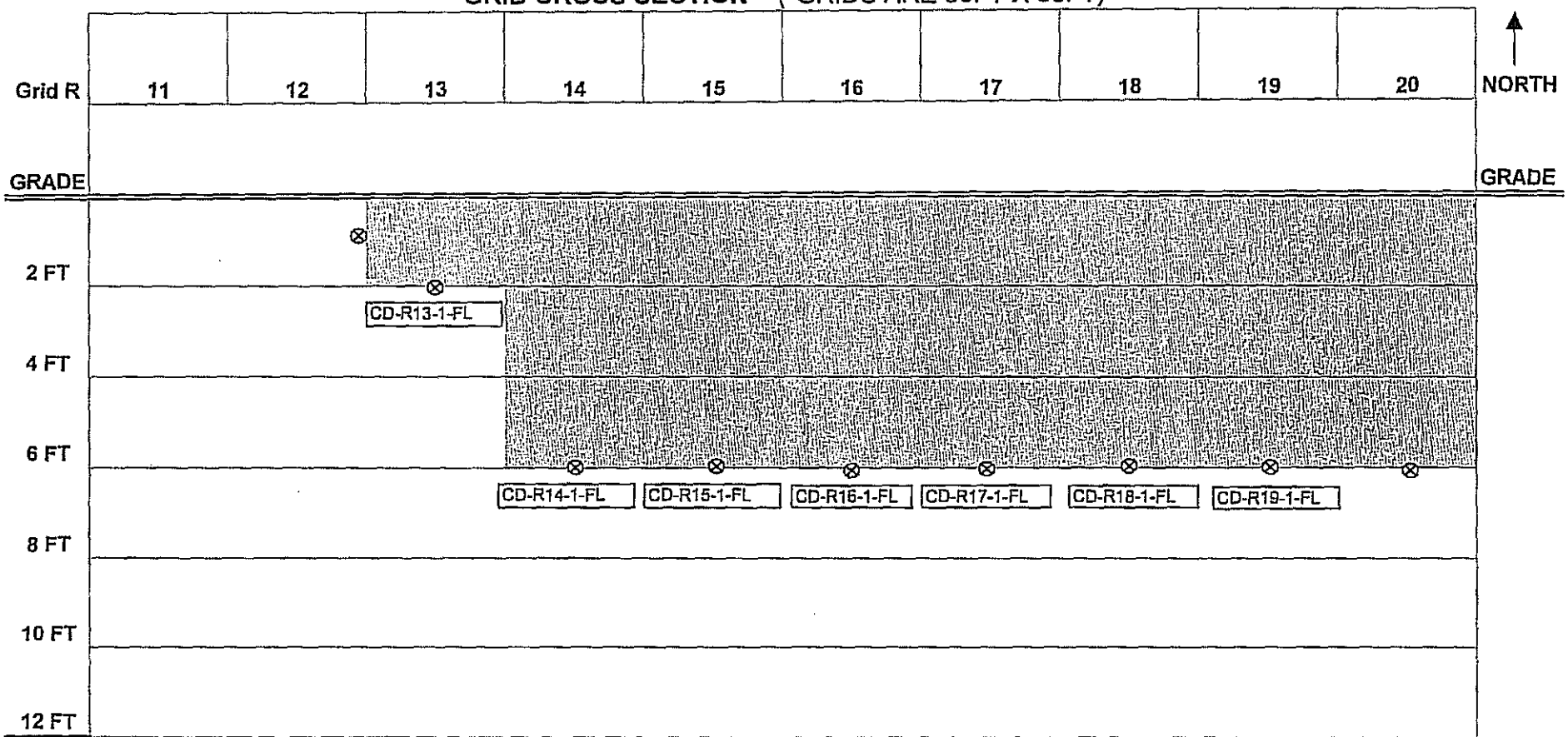
Patrick Carr
Sevenson Representative

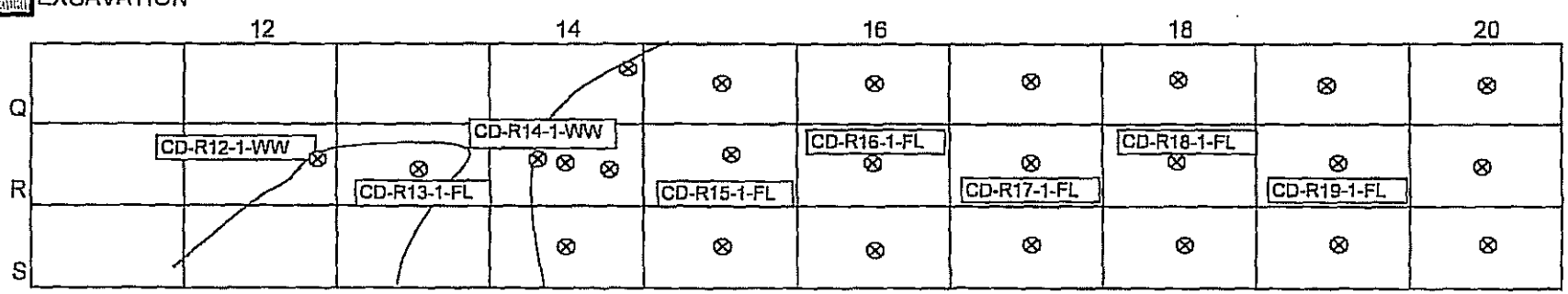
USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

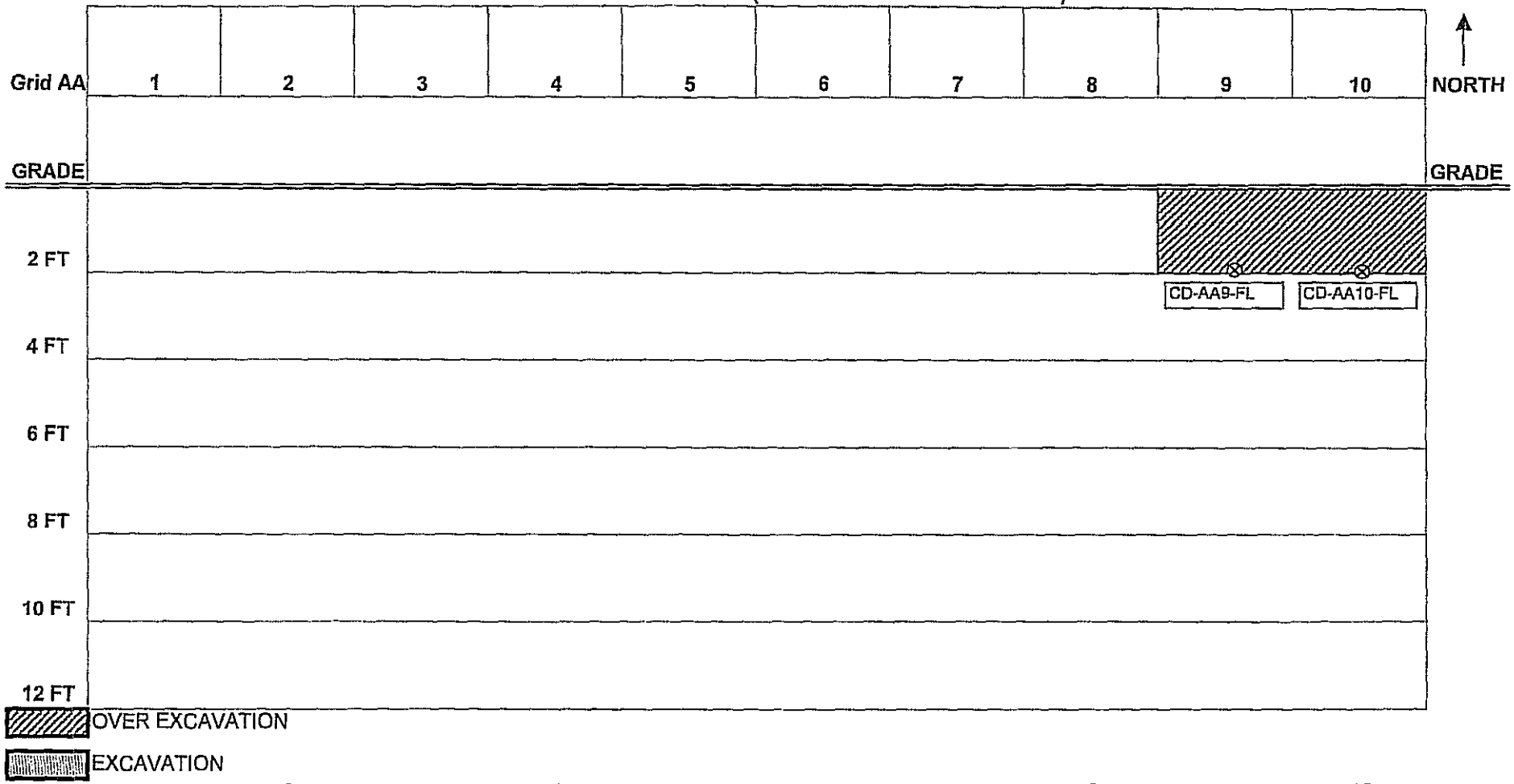
GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

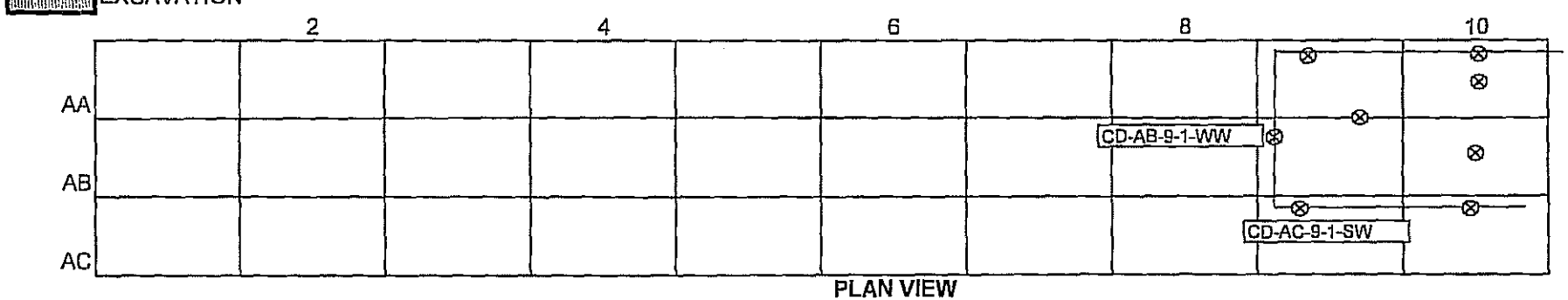




AA-9

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/Backfill Authorization

Date: 10/23/09

Grid number: AA11

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
N/A	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soil sample collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Excavation proceeded outside contract limits per USEPA and USACE approval to remove capacitors encountered to a total depth of 2 feet below grade. Backfill will be first with geotextile on the base and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled : CD-AA11-1-FL and CD-AA11-1-WW

The above listed work is accepted:

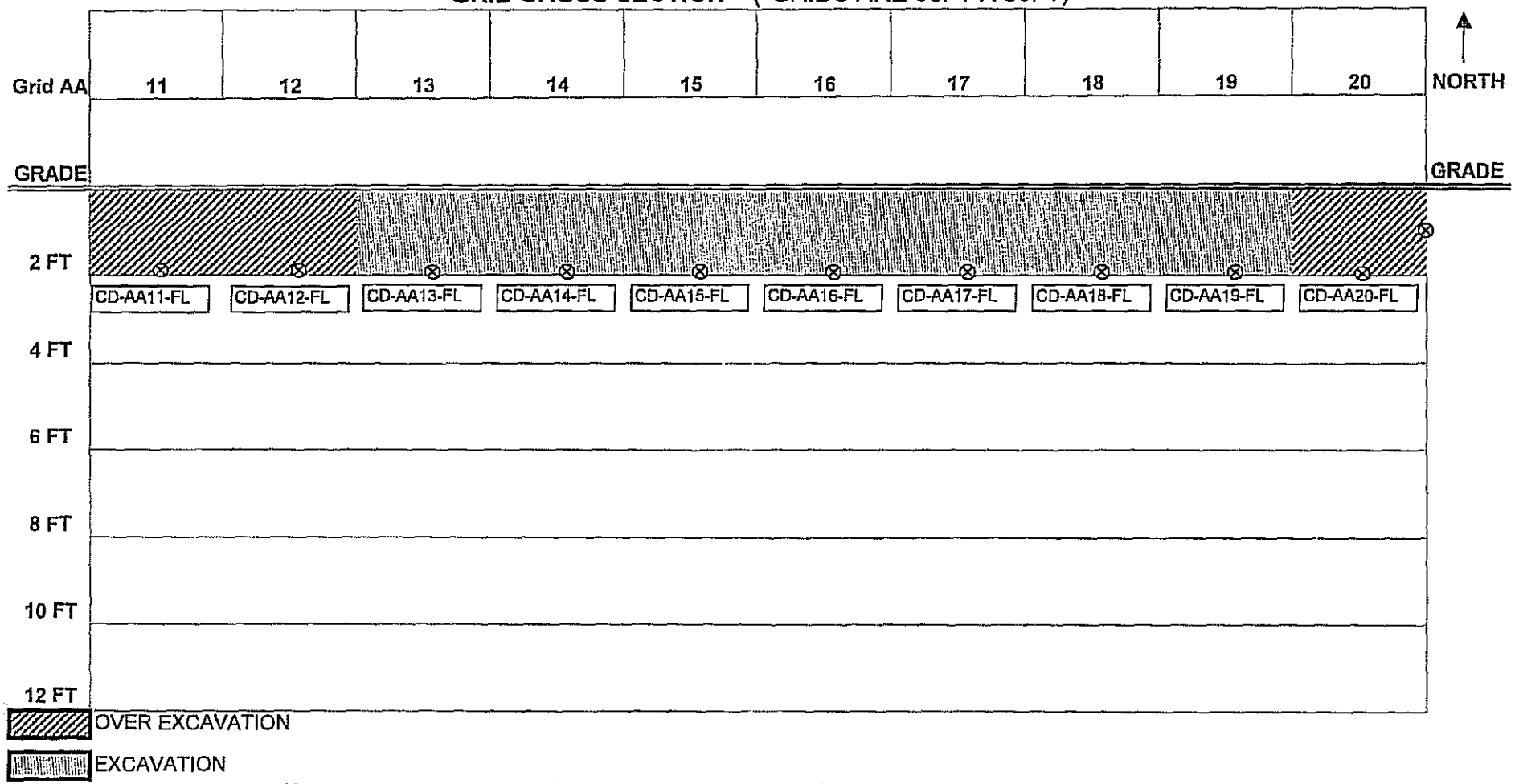
PC Patrick Carr 10/23/09
Sevenson Representative

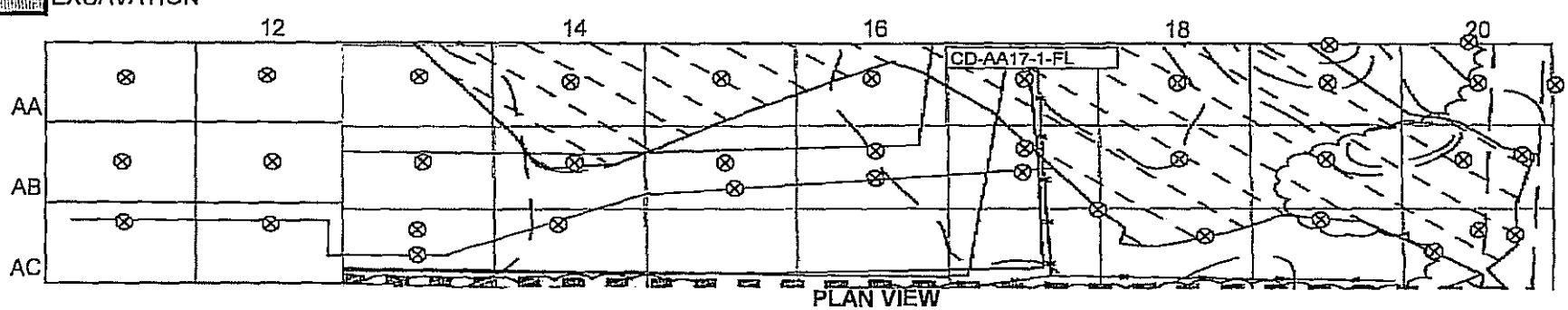
10/28/09
USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

FWL AA-11

Date: 10/23/09

Grid number: Z12

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
~~N/A~~	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soil sample collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Excavation proceeded outside contract limits per USEPA and USACE approval to remove capacitors encountered to a total depth of 2 feet below grade. Backfill will be first with geotextile on the base and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled : CD-Z12-1-FL and CD-Z11-1-WW

The above listed work is accepted:

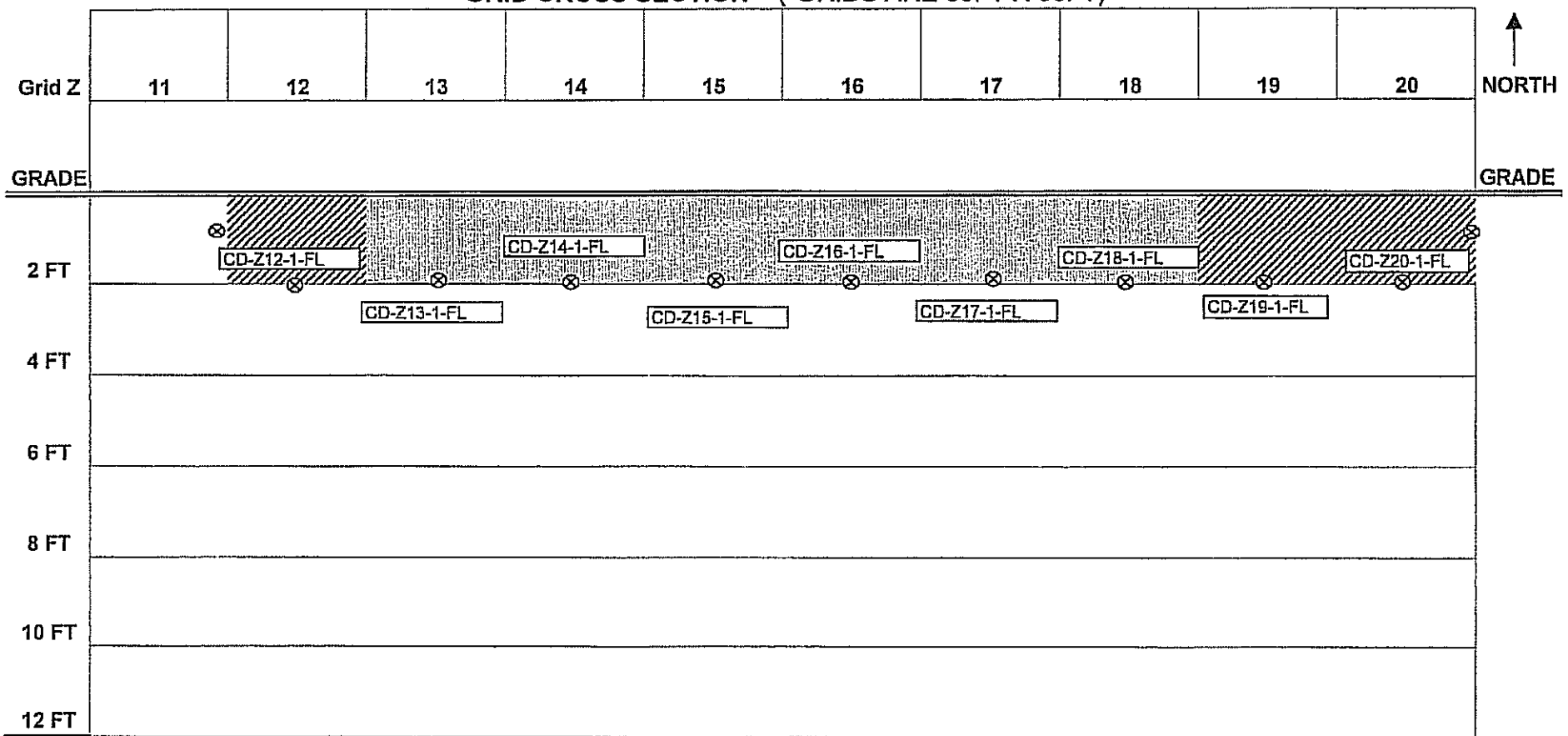
PC Patrick Carr 10/23/09
Sevenson Representative

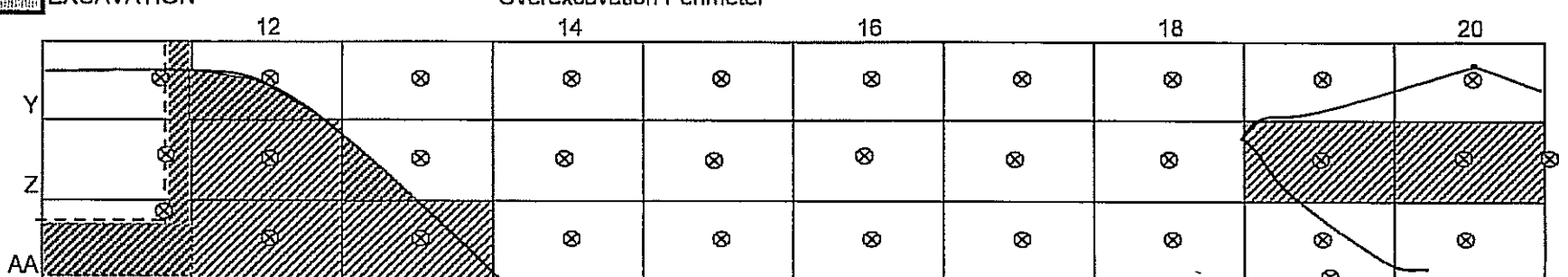
10/28/09
USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/Backfill Authorization

Date: 9/30/10

Grid number: V9

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
0 feet BG	2 feet BG	n/a	n/a

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: The grid was excavated for re-grading purposes. Upon excavation, a sweet odor was observed and a multi rae air monitoring instrument reported a VOC reading of 20 ppm. Per USACE, USEPA and SES recommendations soils shall be removed from grid V9 and confirm the area is below ROD criteria by sampling. Additional soils removed from grid to date are estimated at 67 yd^3.

The above listed work is accepted:

Michael Mazurek
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Grid Map, Post-excavation sample results (Spread Sheet)
BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 10/6/10

Grid number: V9

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
0 feet BG	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 2ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with white demarcation geotextile on the base, treated soils and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled: CD-V9-1-FL and CD-V9-1-NW.

The above listed work is accepted:

Patrick Carr /PC
Sevenson Representative

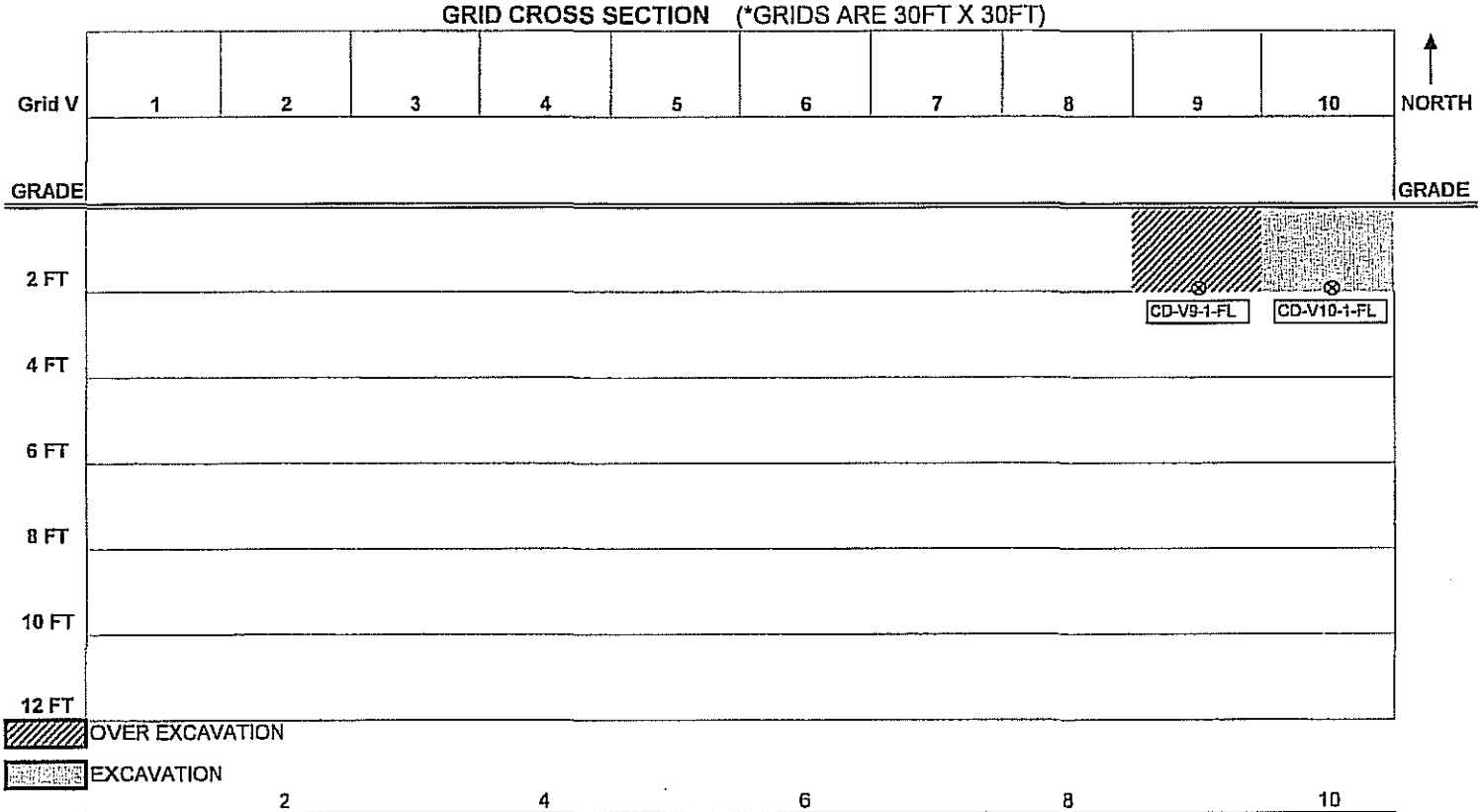
USEPA Representative

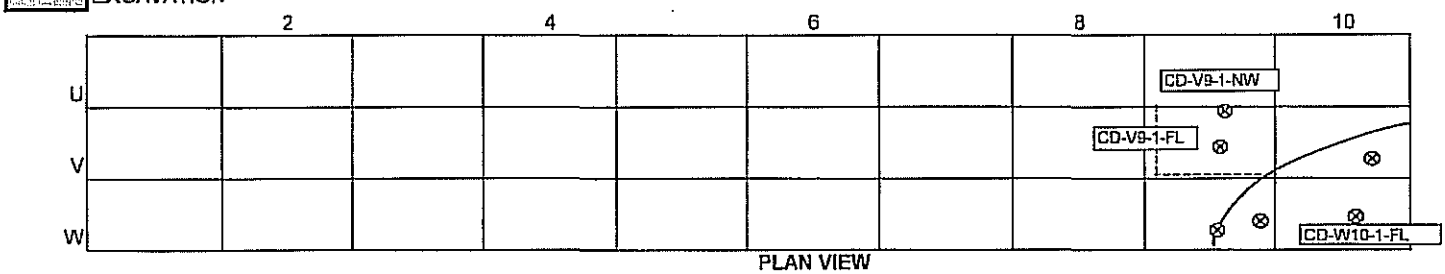
USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

V9-W

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 10/13/09

Grid number: Y11/Y12

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
N/A	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soil sample collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Excavation proceeded outside contract limits per USEPA and USACE approval to remove capacitors encountered to a total depth of 2 feet below grade. Backfill will be first with geotextile on the base and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled : CD-Y12-1-FL and CD-Y11-1-SW

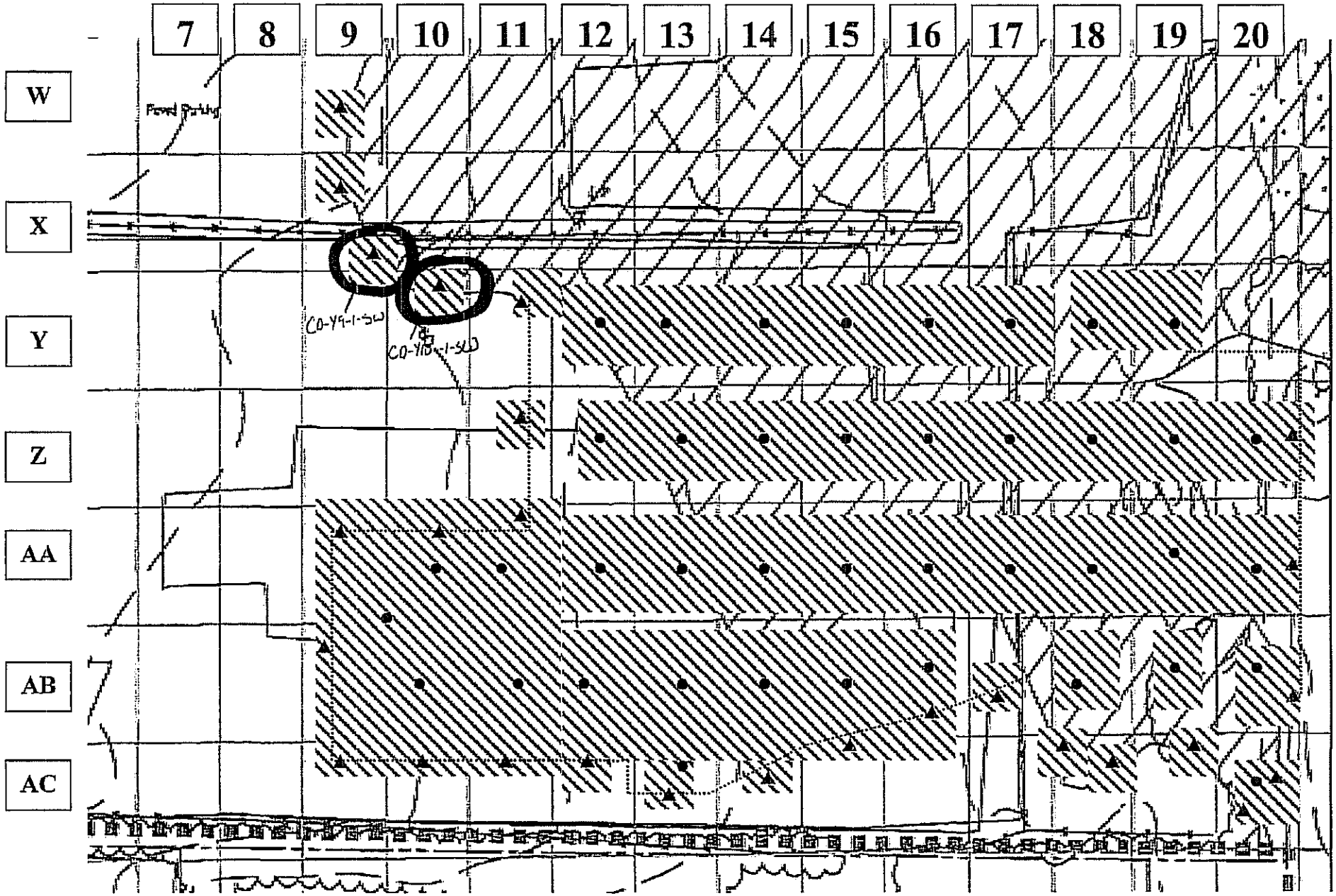
The above listed work is accepted:

TC Patrick Carr 10/13/09
Sevenson Representative

10/28/09
USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade


7
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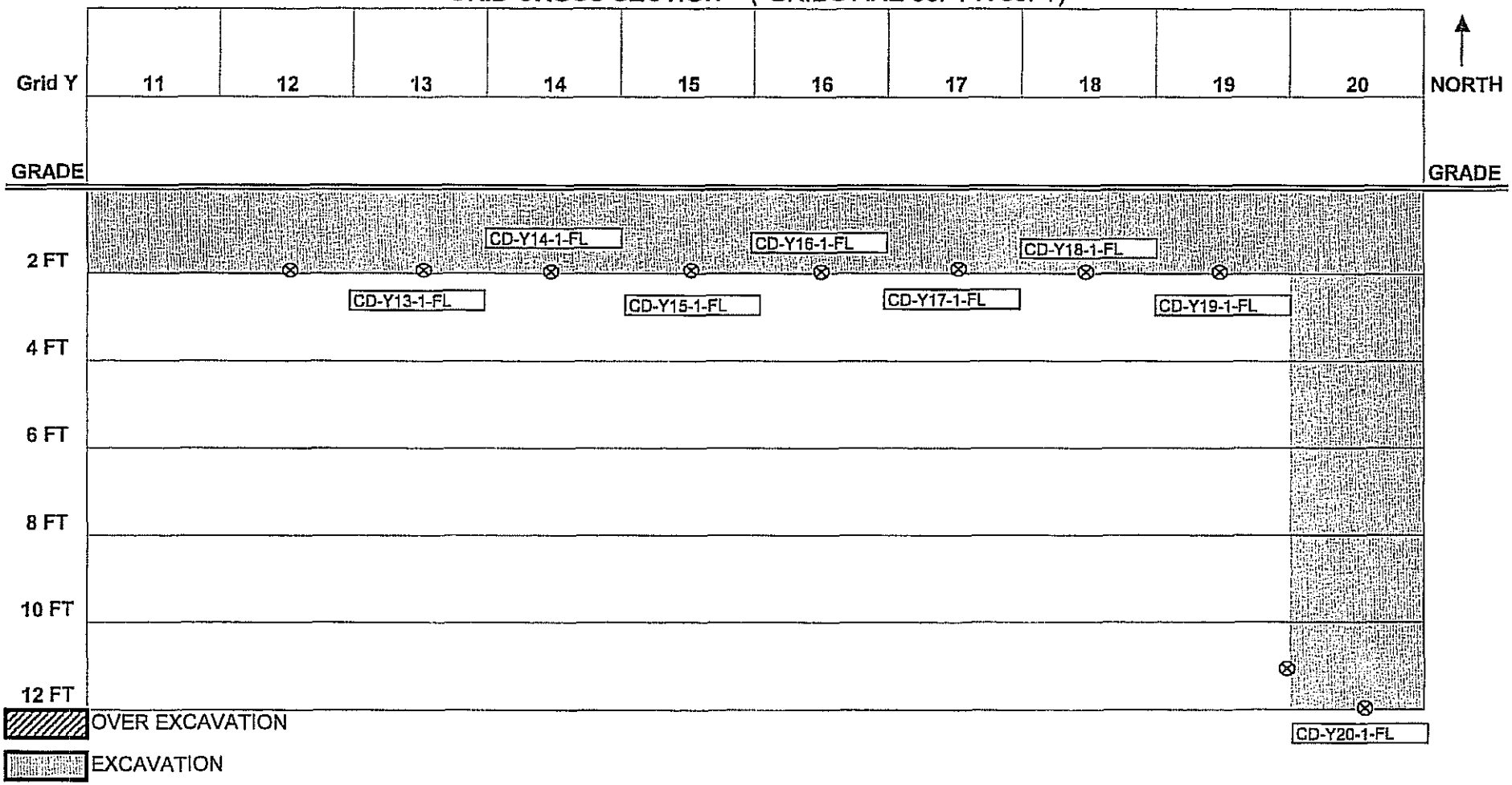
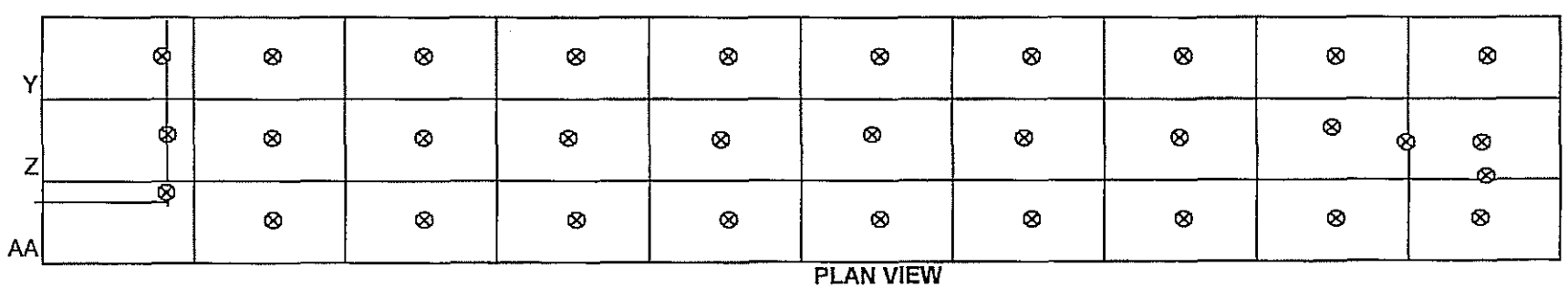
W
X
Y
Z
AA
AB
AC
Floor Sample Point
Wall Sample Point
Failed Sample
Passing Sample

Not to Scale

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 06/15/10

Grid number: X9/10

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 2ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with white demarcation geotextile on the base, treated soils and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled: CD-X10-1-FL and CD-X9-1-WW.

The above listed work is accepted:

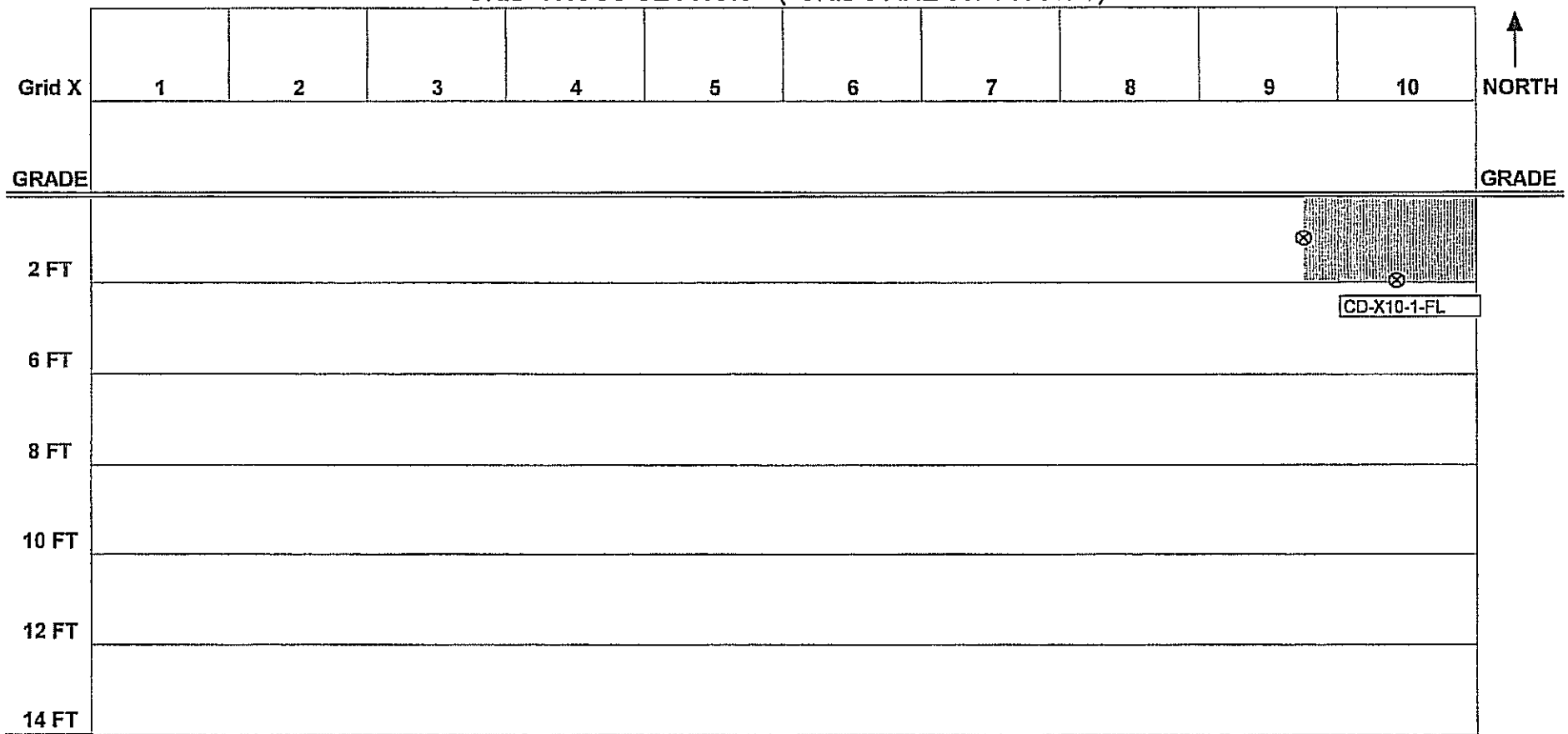
Patrick Carr
Sevenson Representative

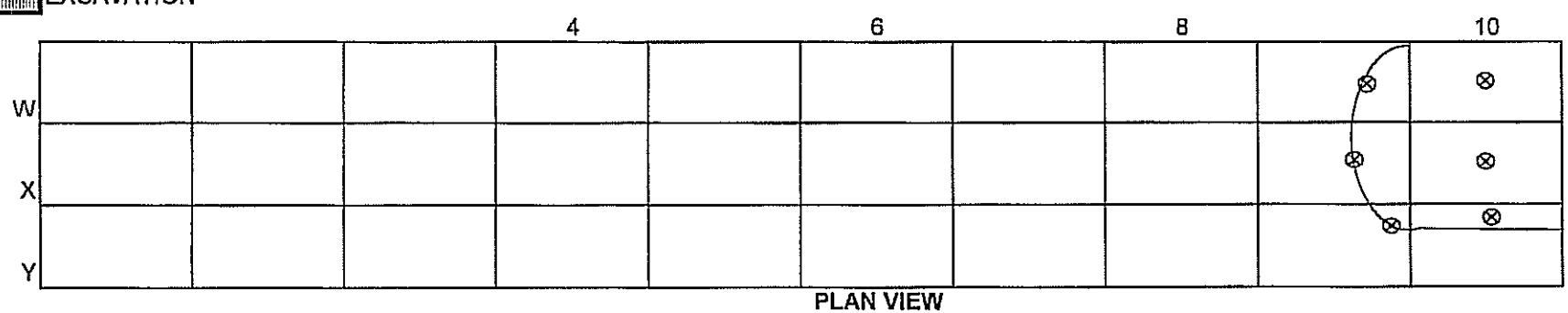
USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/Backfill Authorization

Date: 06/15/10

Grid number: W9

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 2ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with white demarcation geotextile on the base, treated soils and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled: CD-W9-1-FL and CD-W9-1-WW.

The above listed work is accepted:

Patrick Carr
Sevenson Representative

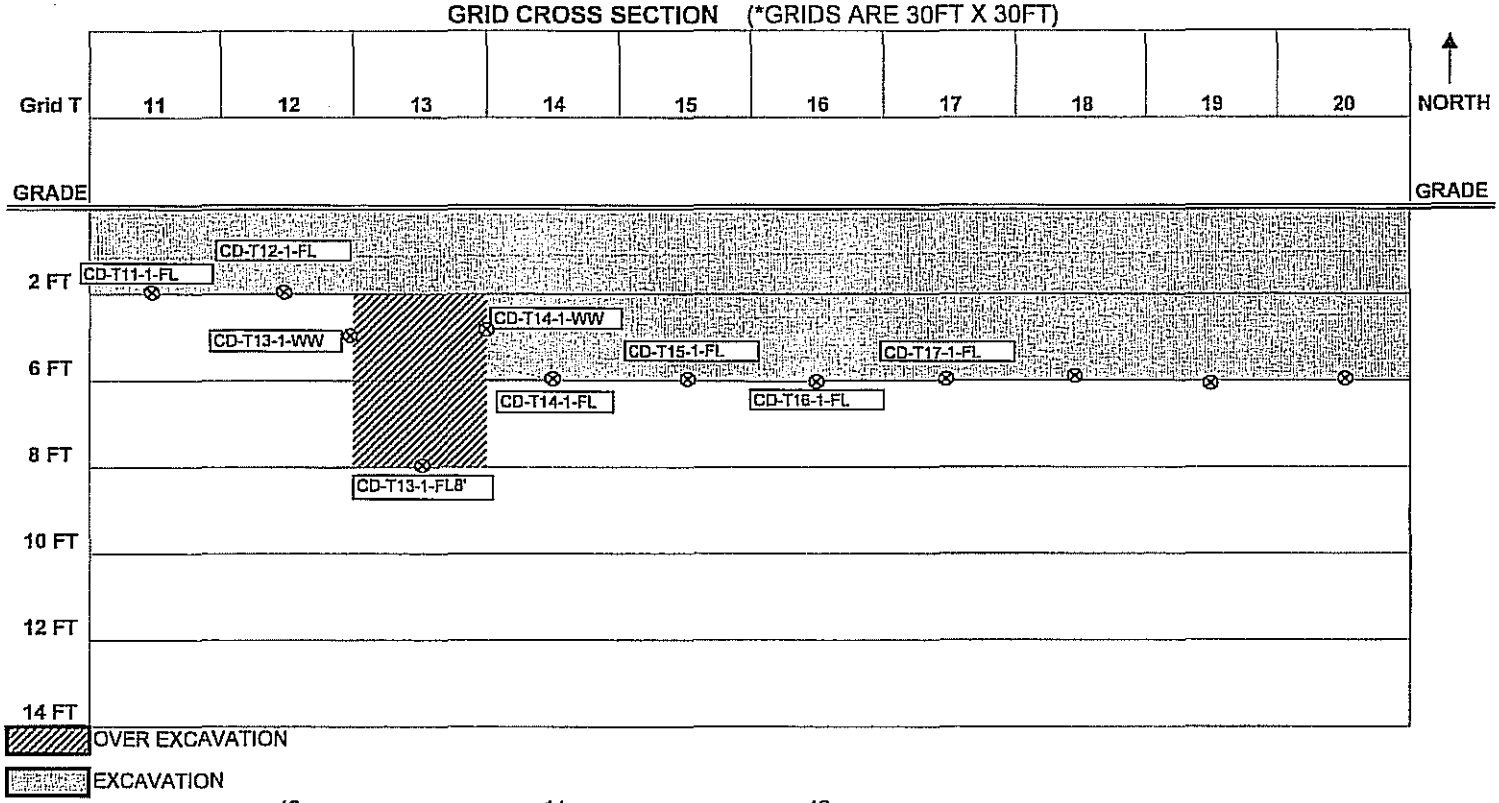
USEPA Representative

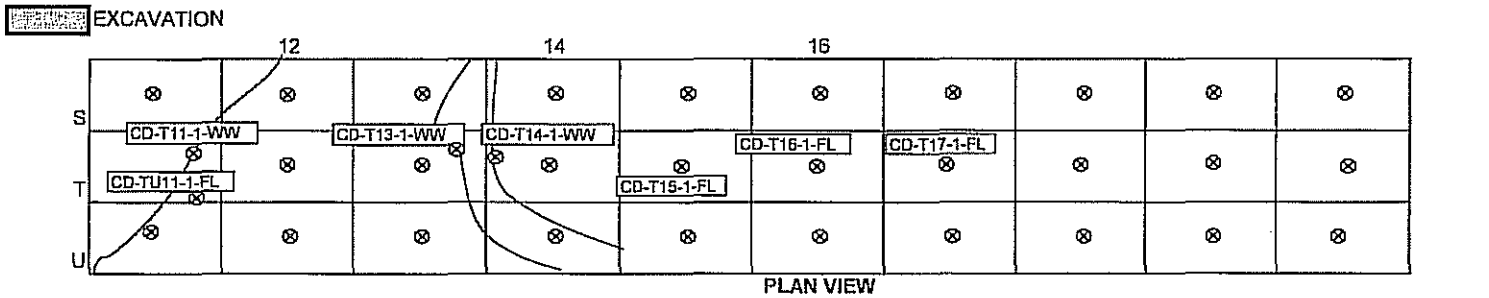
USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

T-11

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

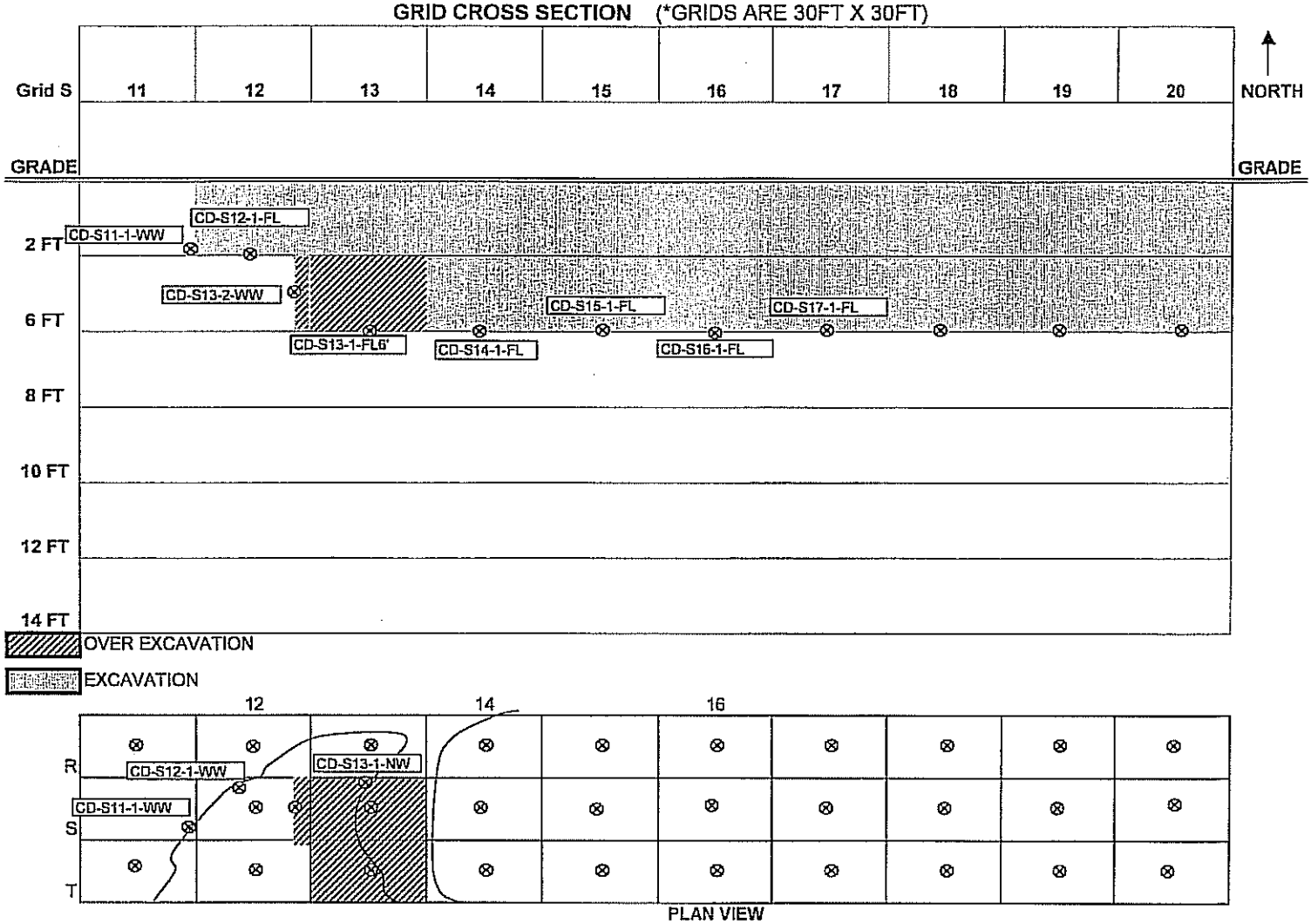




PLAN VIEW

12, 5, T

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)



PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 10/01/10

Grid number: R13

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 2ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with white demarcation geotextile on the base, treated soils and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled: CD-R13-1-FL and CD-R12-1-WW.

The above listed work is accepted:

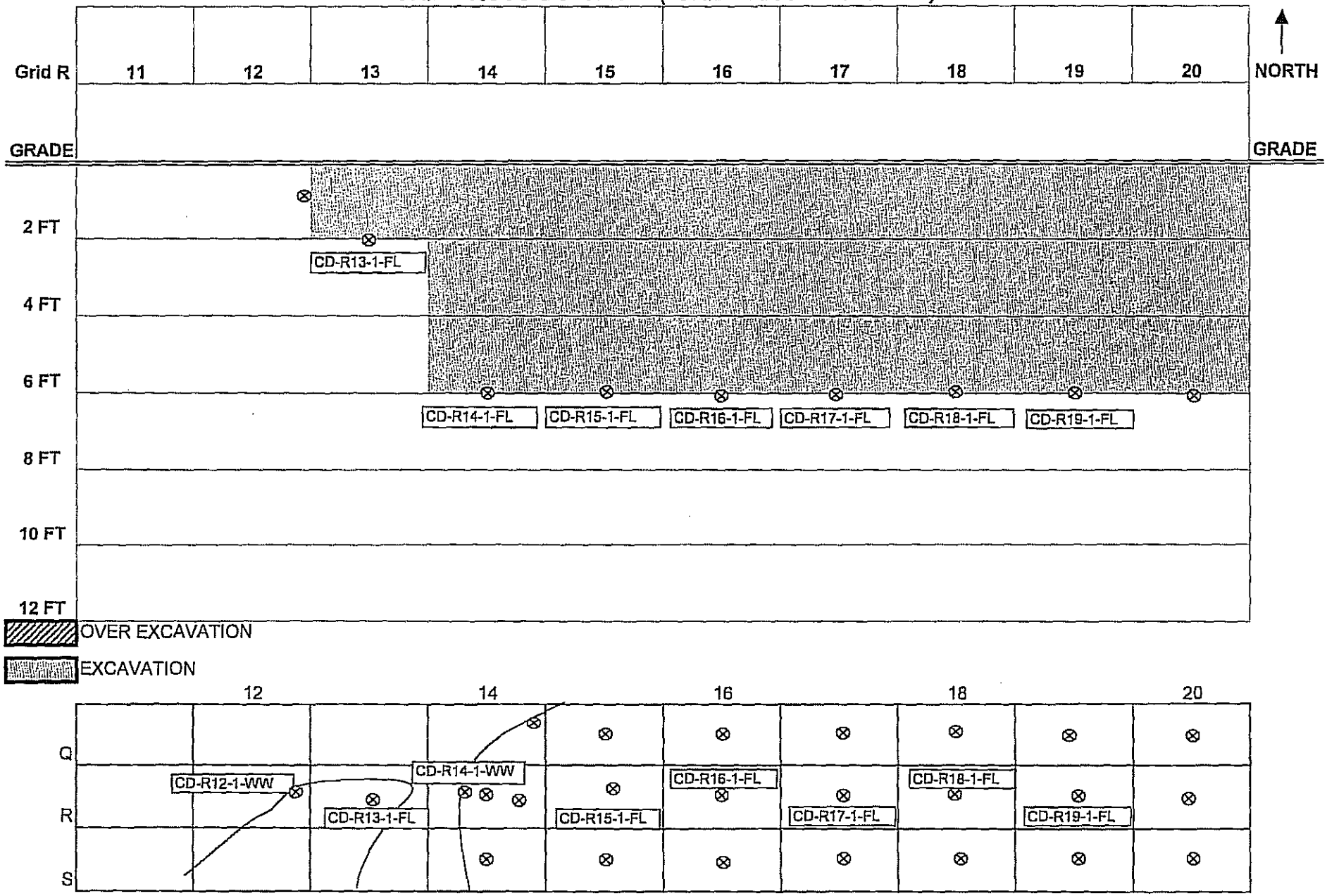
Patrick Carr
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)



Cornell-Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 10/01/10

Grid number: R14

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
6 feet BG	6 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 6ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with white demarcation geotextile on the base, treated soils and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled: CD-R14-1-FL and CD-R14-1-WW.

The above listed work is accepted:

Patrick Carr
Sevenson Representative

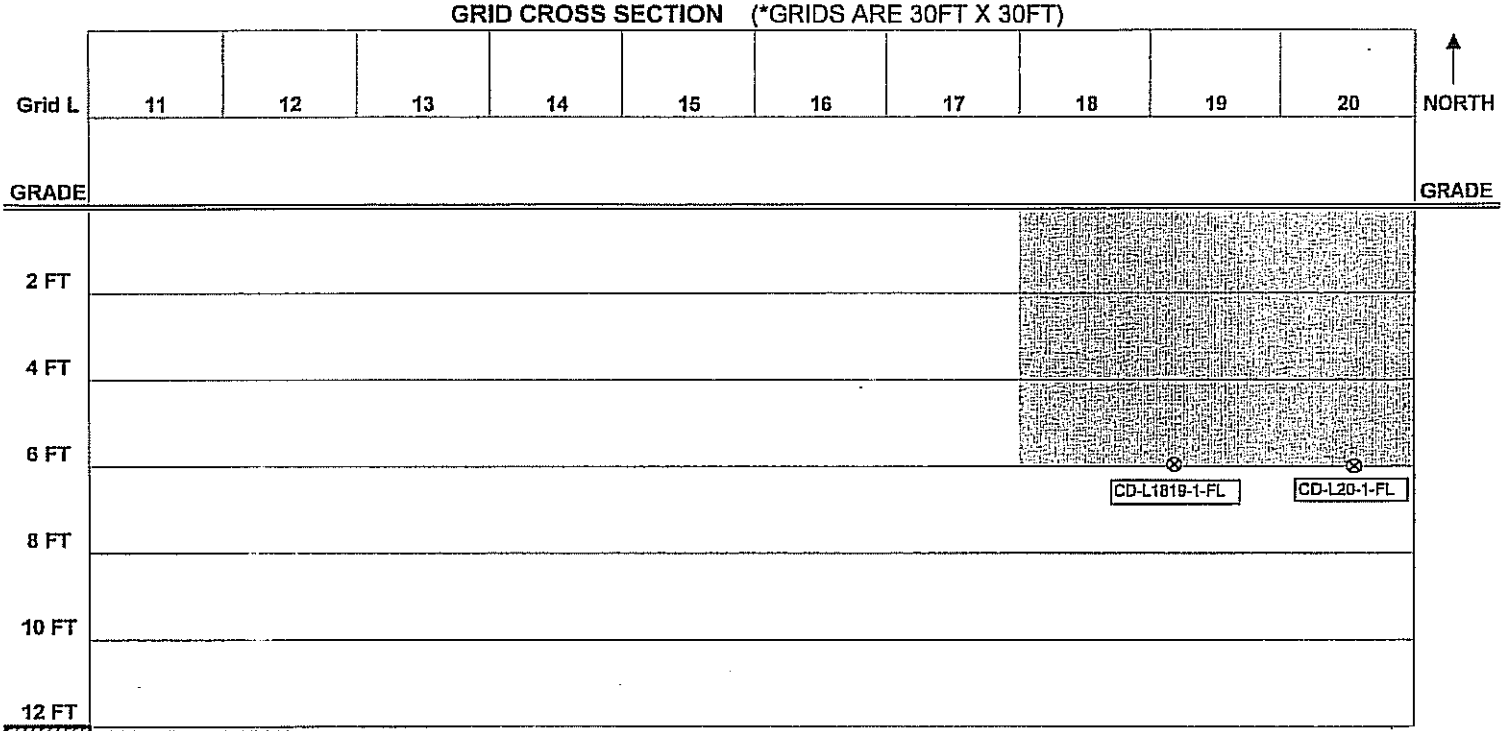
USEPA Representative

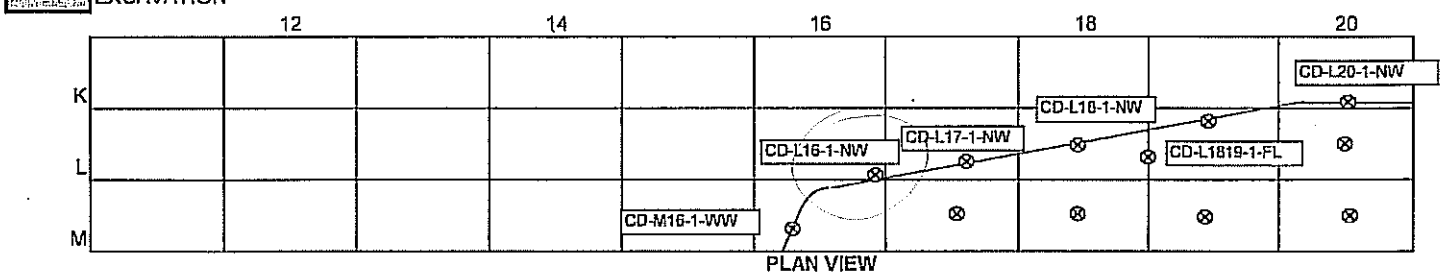
USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

L-16

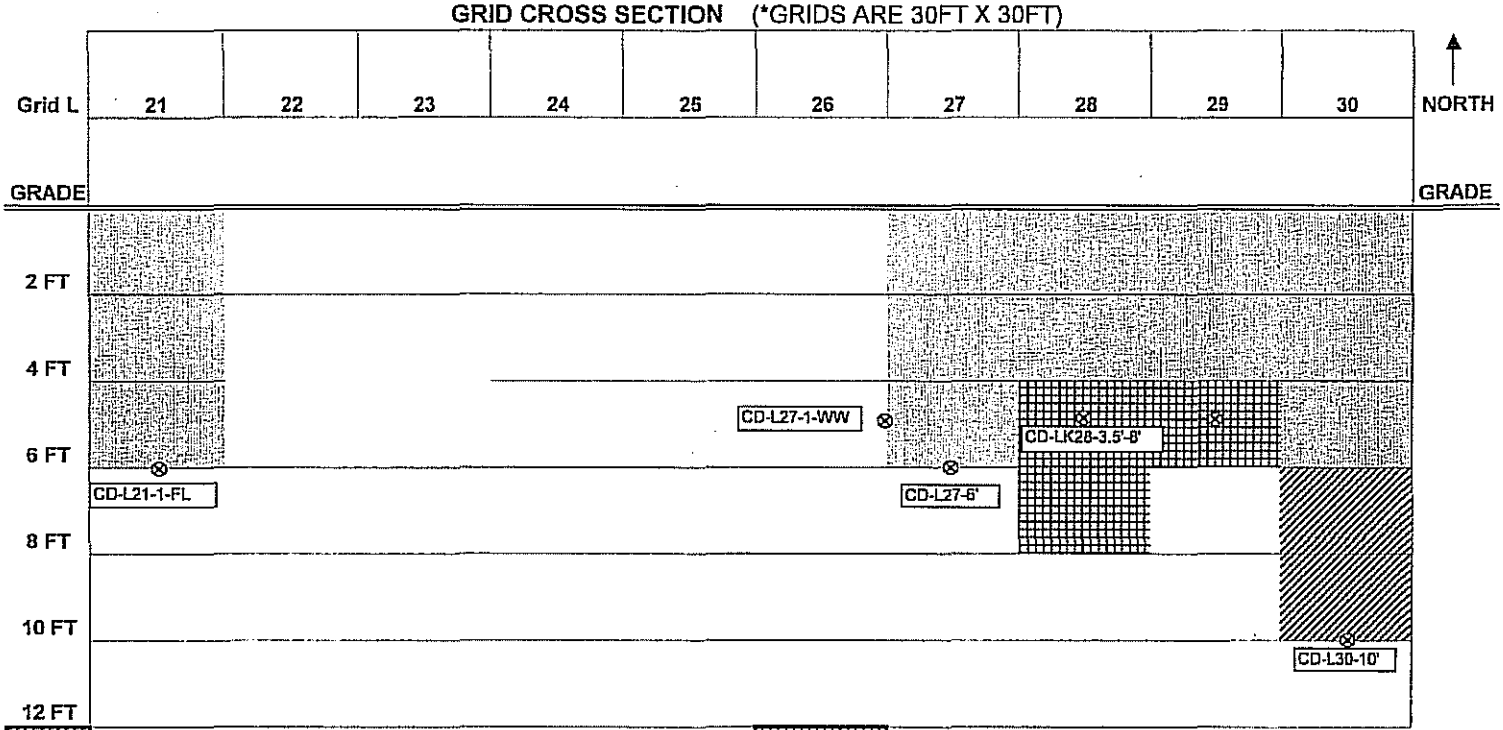
GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

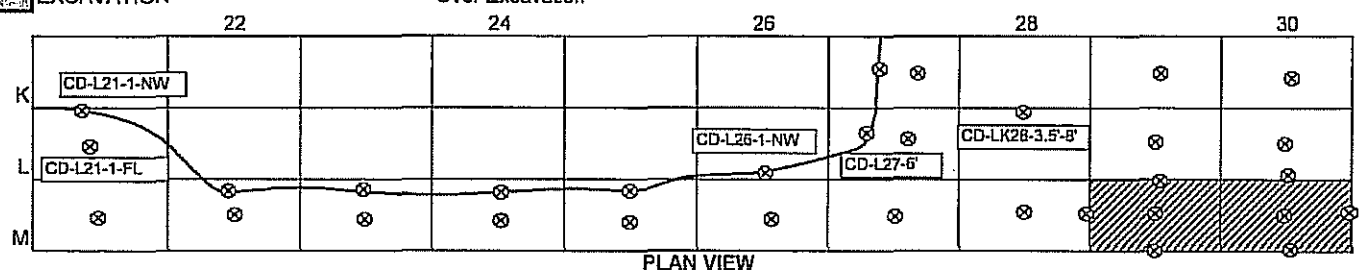




PLAN VIEW

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

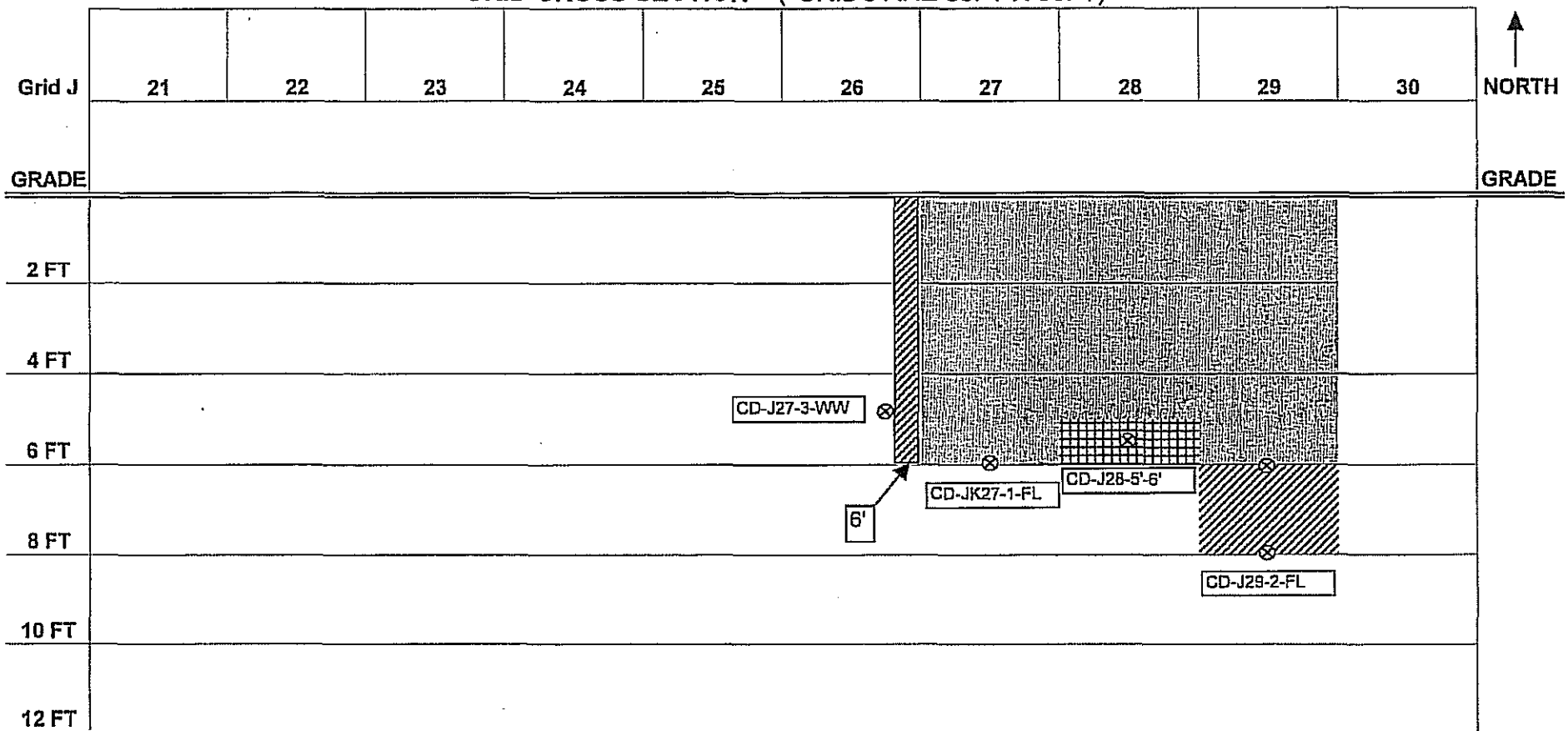


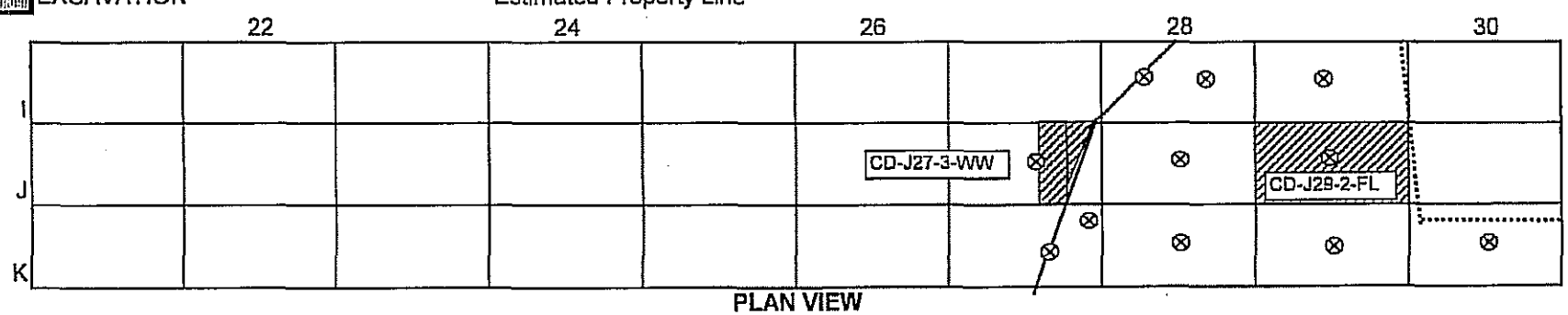


PLAN VIEW

J-27

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 12/7/11

Grid number: H28/29

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
6 ft	8 ft	Yes	n/a

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 8ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with black demarcation geotextile on the base and topped with dense graded aggregate to be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled: CD-H2829-2-FL and CD-H2829-1-WW.

The above listed work is accepted:

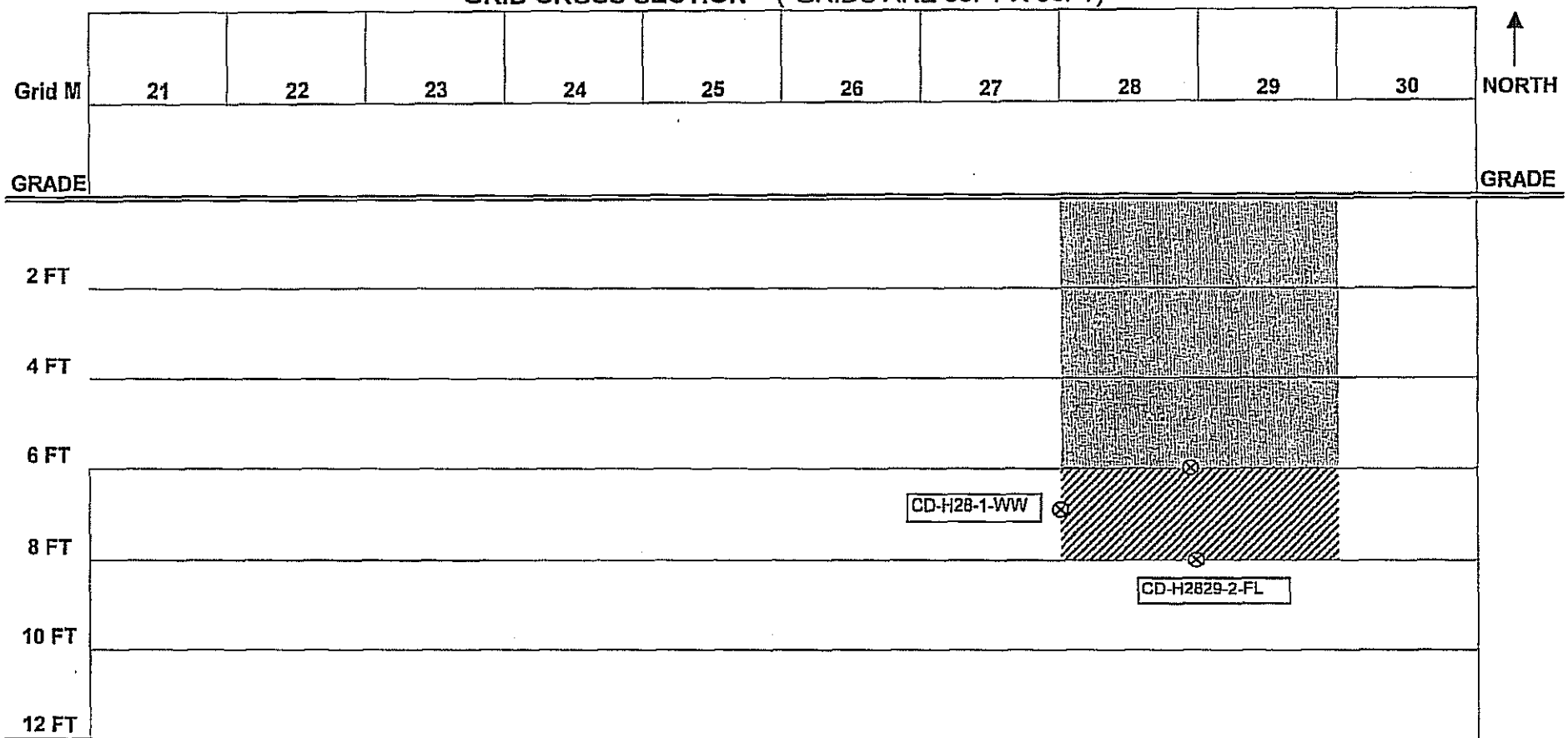
Michael Misiaszek
Sevenson Representative

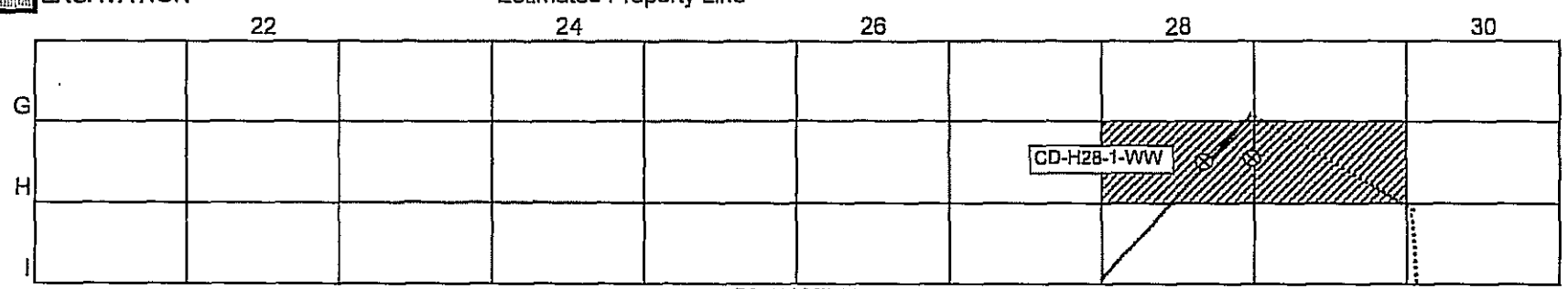
USEPA Representative

USACE Representative

Attachments: Post-Excavation Results
**BG= Below Grade

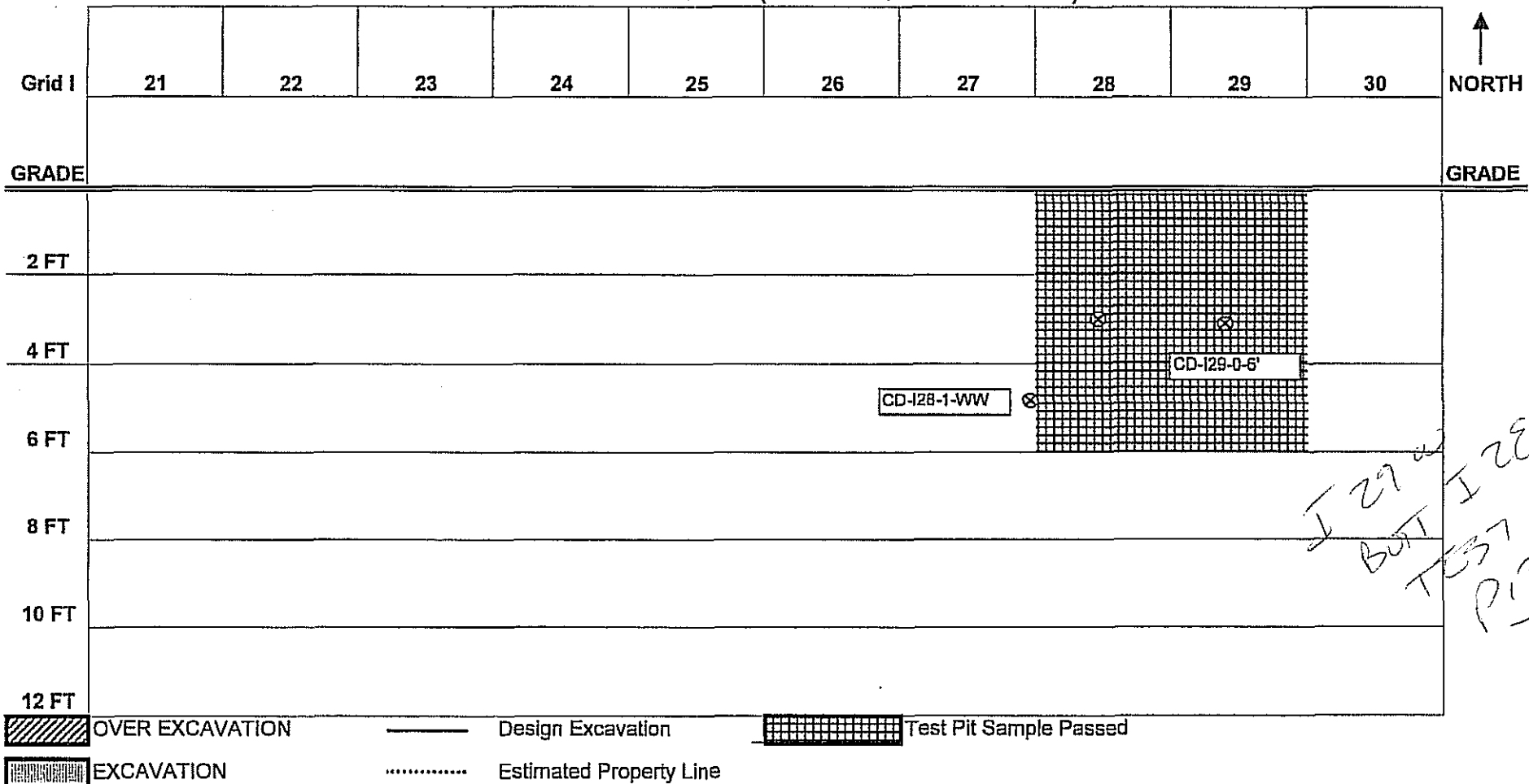
GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





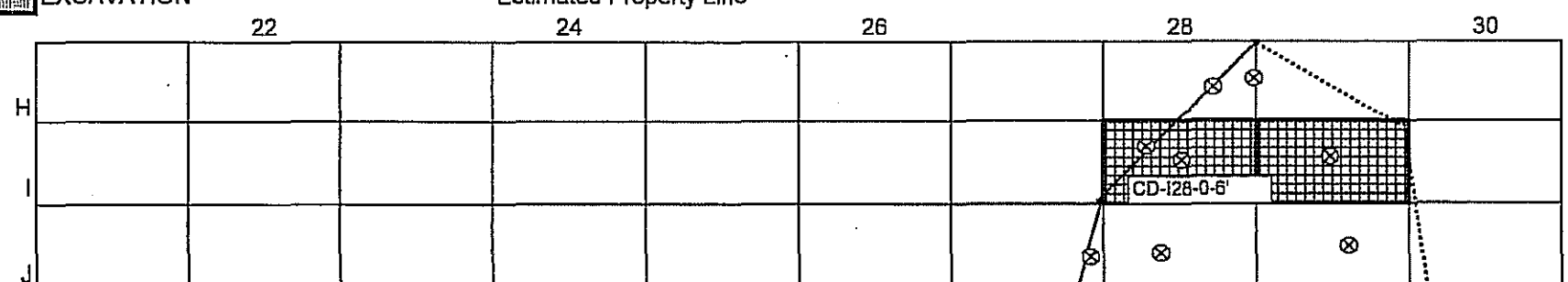
PLAN VIEW

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)



OVER EXCAVATION — Design Excavation — Test Pit Sample Passed

EXCAVATION ····· Estimated Property Line



PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 03/9/10

Grid number: AA44

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
Outside Limits	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soil sample collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with geotextile on the base and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled : CD-AA44-1-FL2' and CD-BA43-1-EW

The above listed work is accepted:

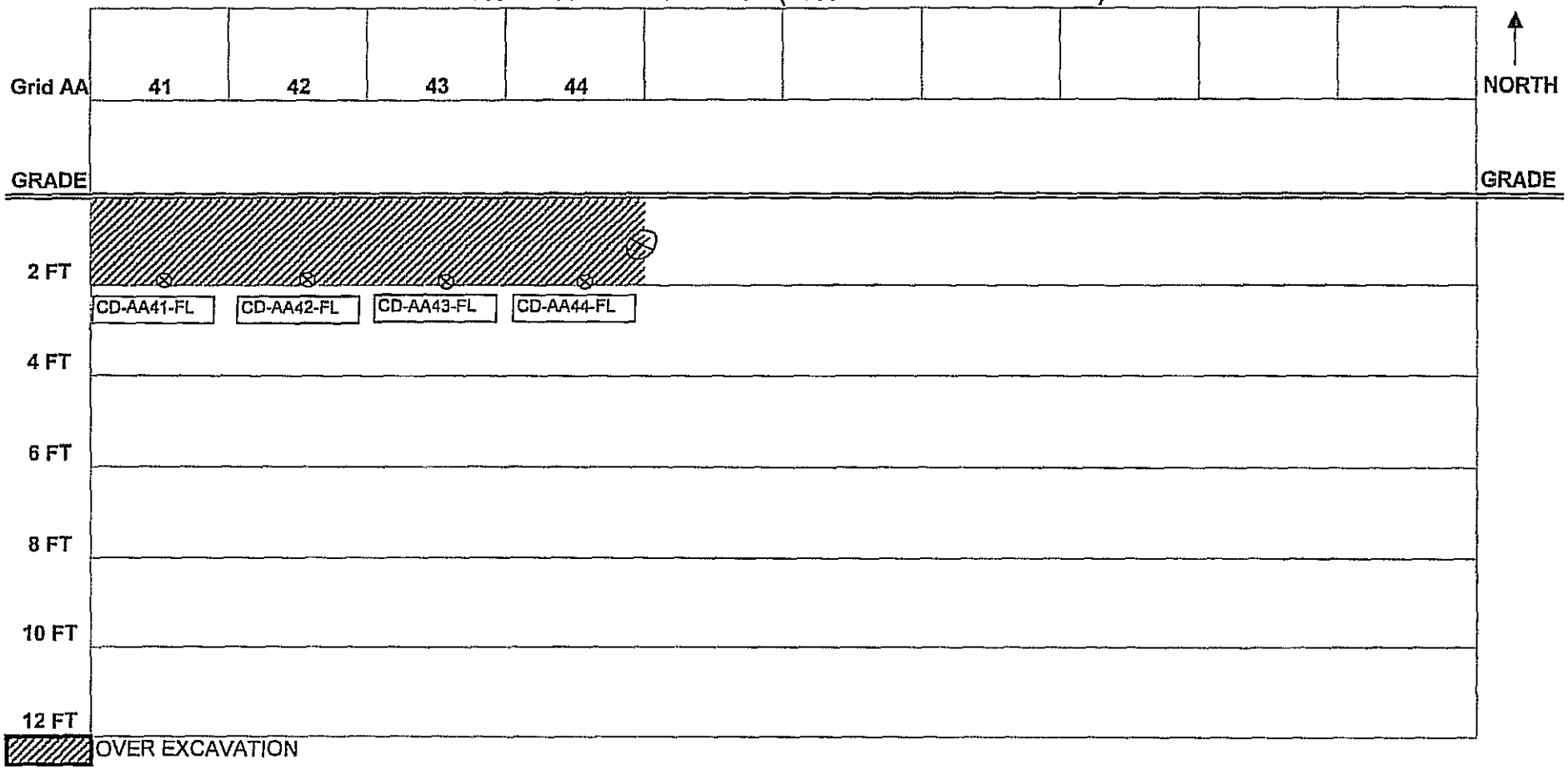
Patrick Carr
Sevenson Representative

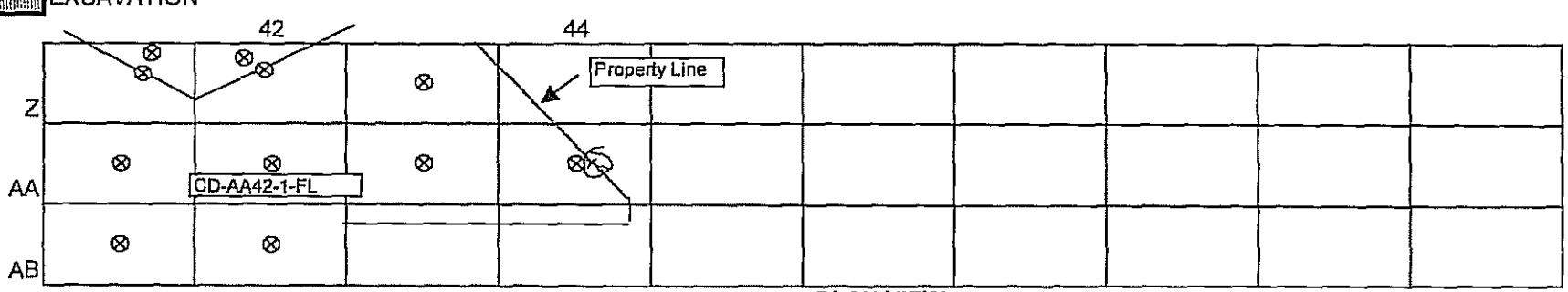
USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 05/23/11

Grid number: N40

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	11 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 11ft below grade to remove visually contaminated material, samples collected and analyzed. Results demonstrate no exceedances above project ROD criteria and Sevenson recommends backfilling. Backfill will be placed to the sub grade elevation per final engineering controls. Soil samples labeled: CD-N40-1-FL and CD-N40-1-NW.

The above listed work is accepted:

Michael Misiaszek
Sevenson Representative

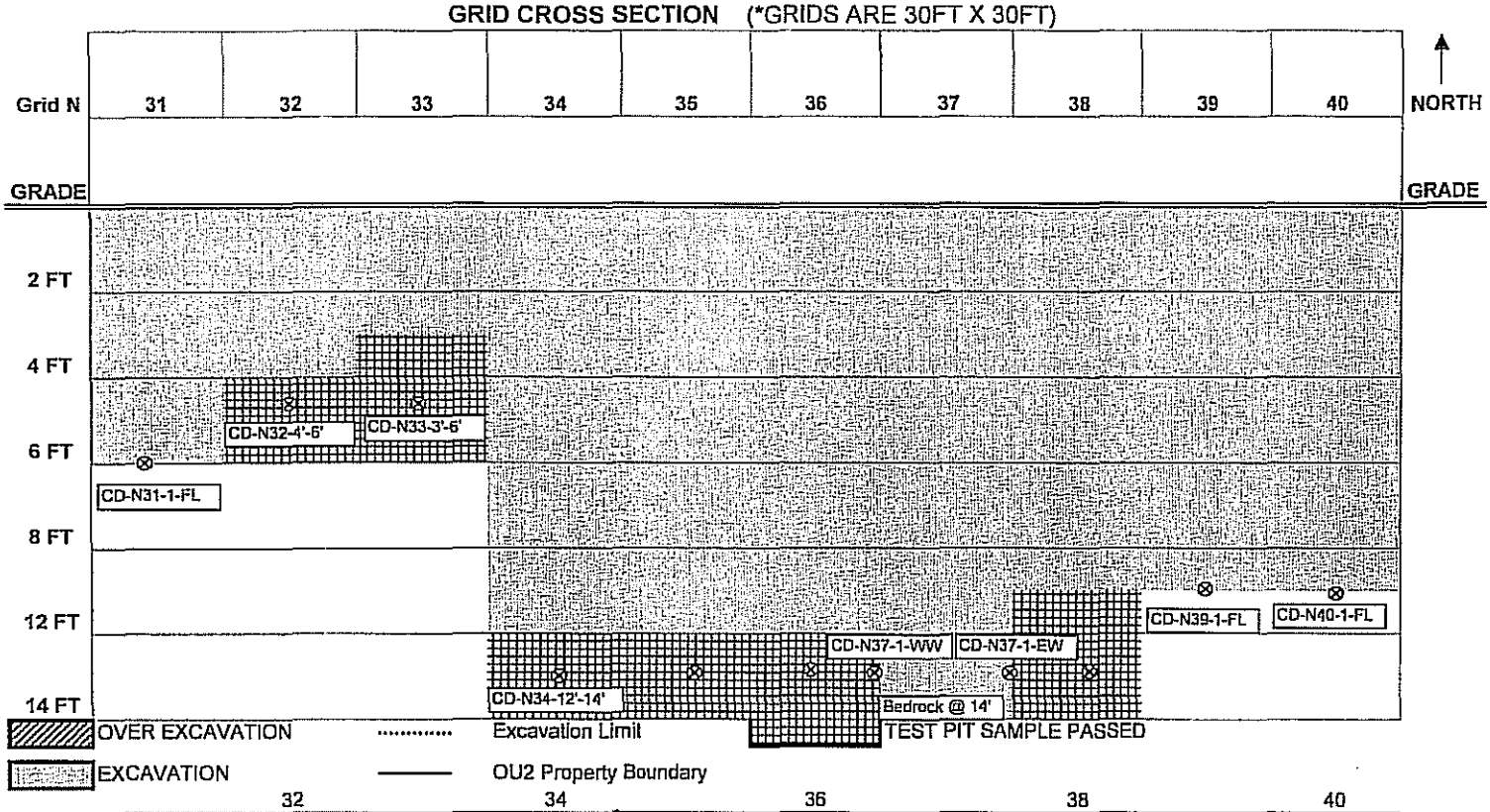
USEPA Representative

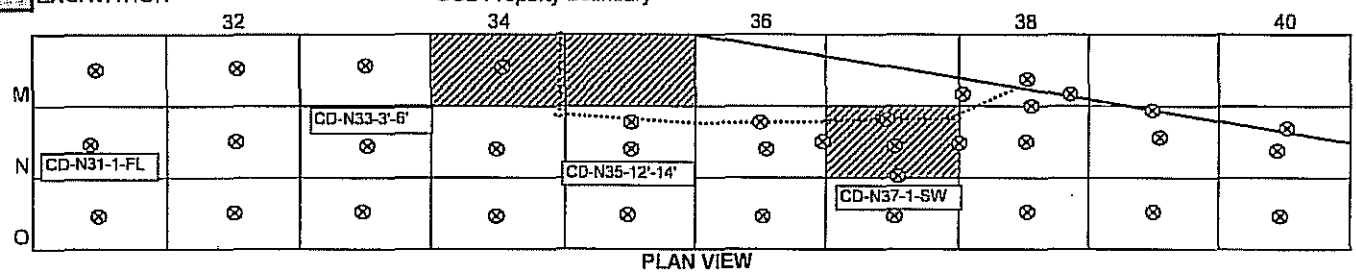
USACE Representative

Attachments: Post excavation sample results (Spread Sheet)
**BG= Below Grade

r1 40

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 05/23/11

Grid number: O40

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	10 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 10ft below grade to remove visually contaminated material, samples collected and analyzed. Results demonstrate no exceedances above project ROD criteria and Sevenson recommends backfilling. Backfill will be placed to the sub grade elevation per final engineering controls. Soil samples labeled: CD-O40-1-FL and CD-O40-1-NW.

The above listed work is accepted:

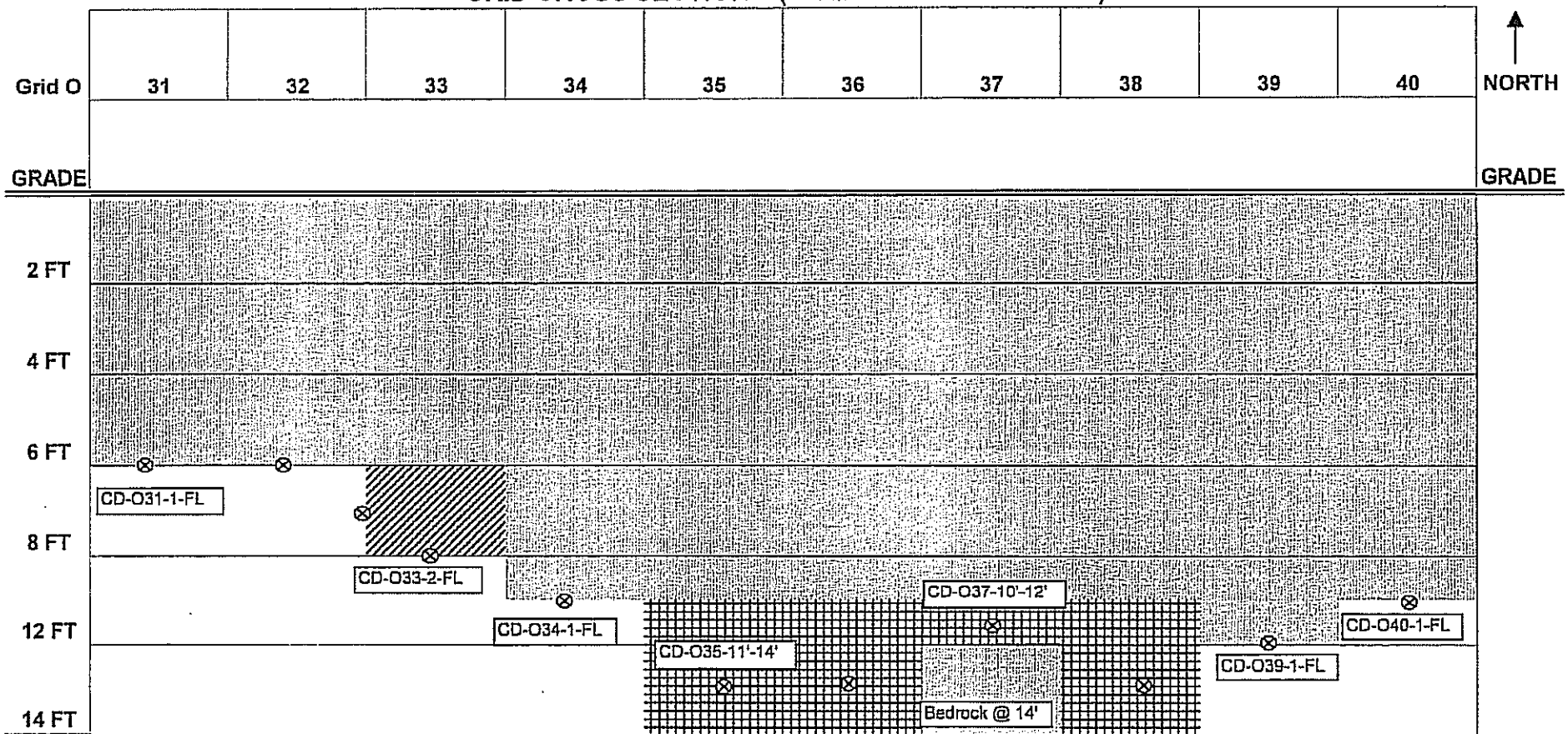
Michael Misiaszek
Sevenson Representative

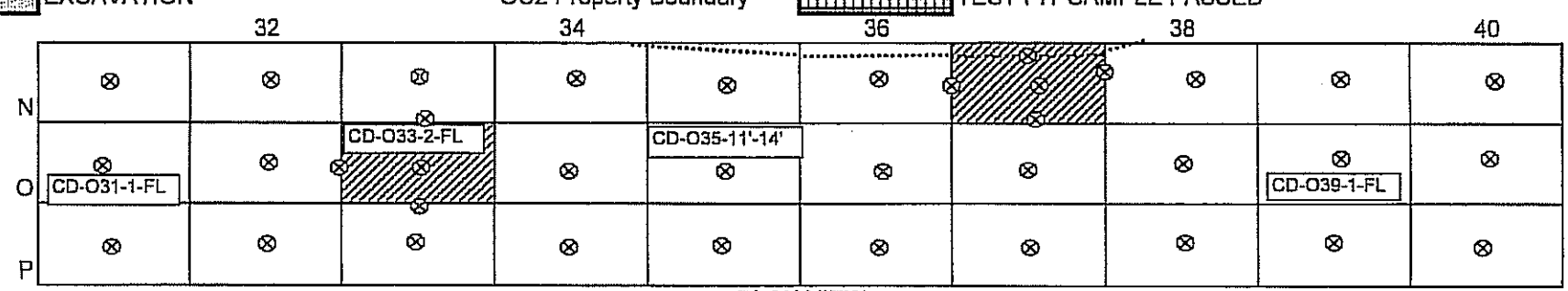
USEPA Representative

USACE Representative

Attachments: Post excavation sample results (Spread Sheet)
**BG= Below Grade

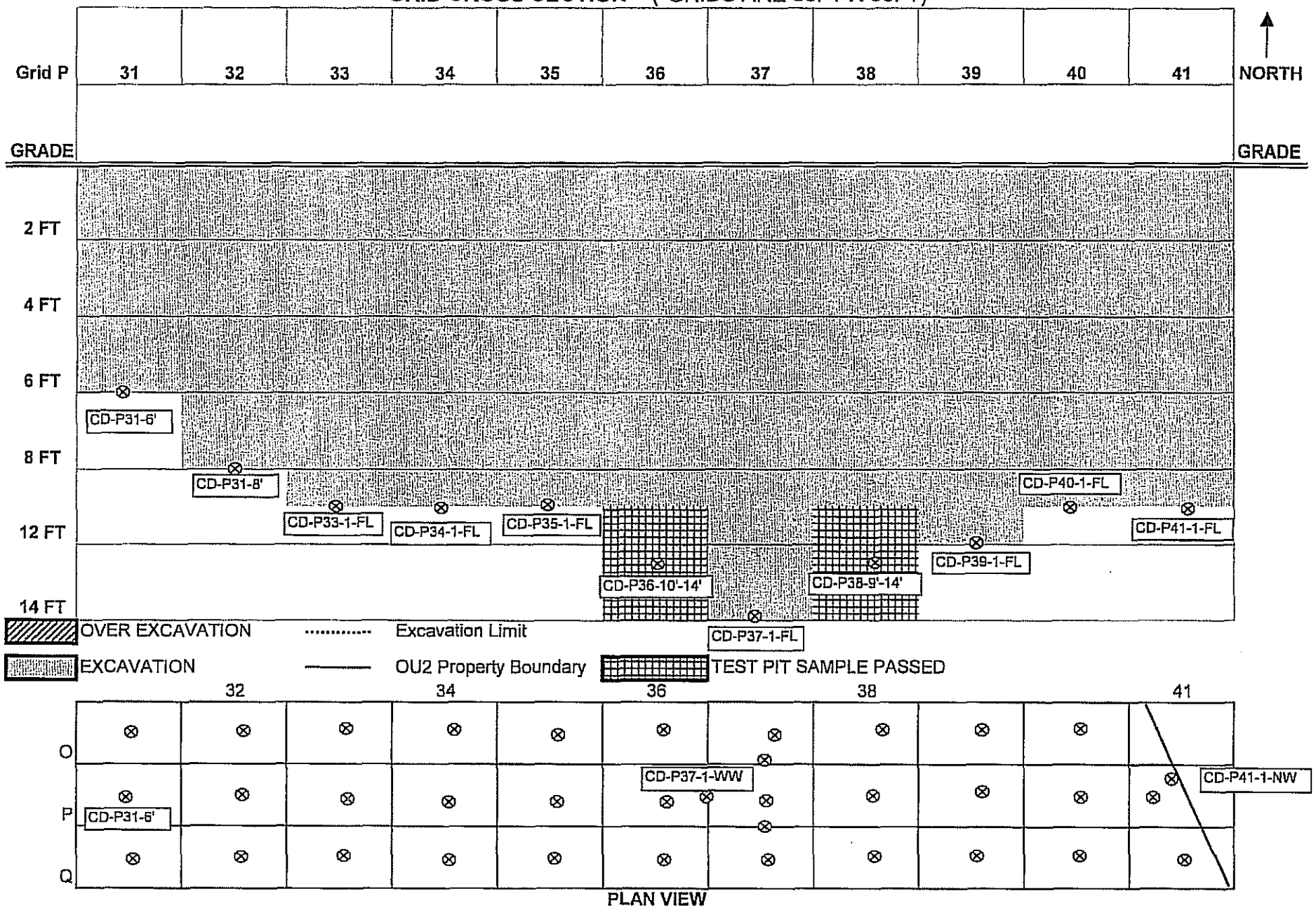
GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)



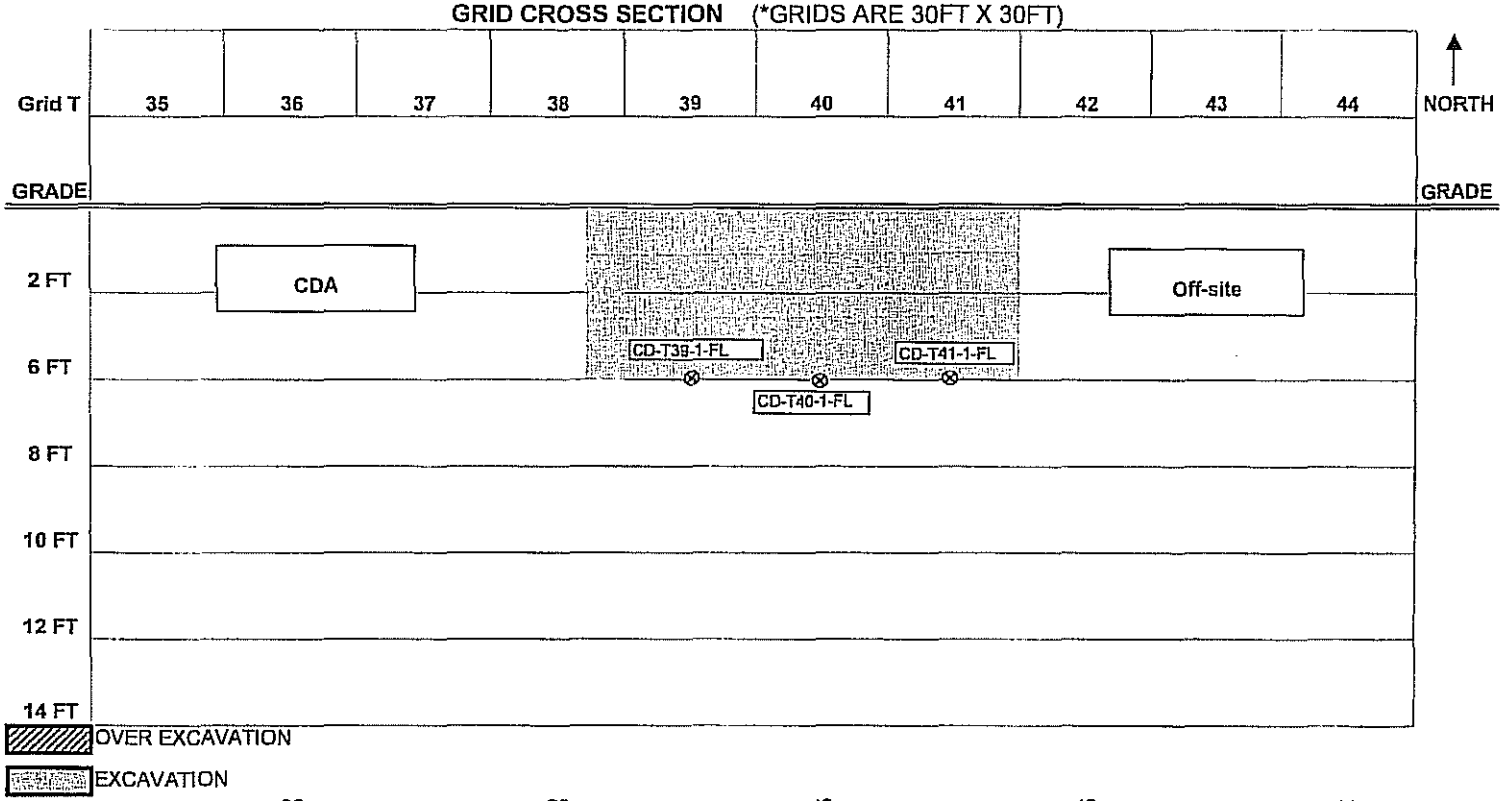


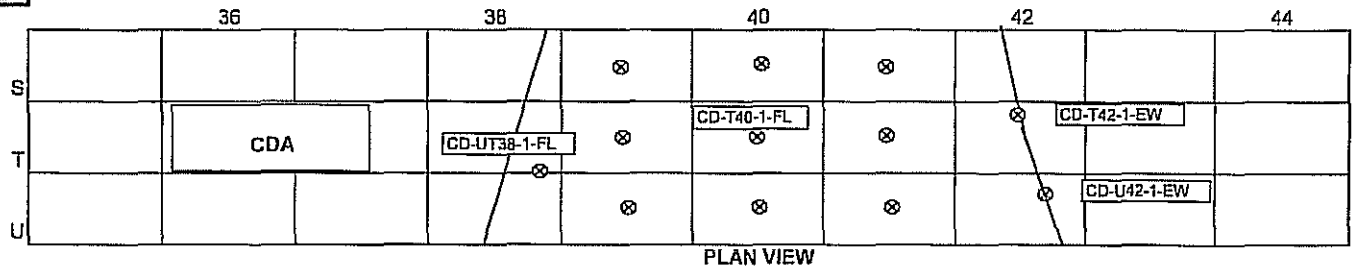
PLAN VIEW

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)



GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

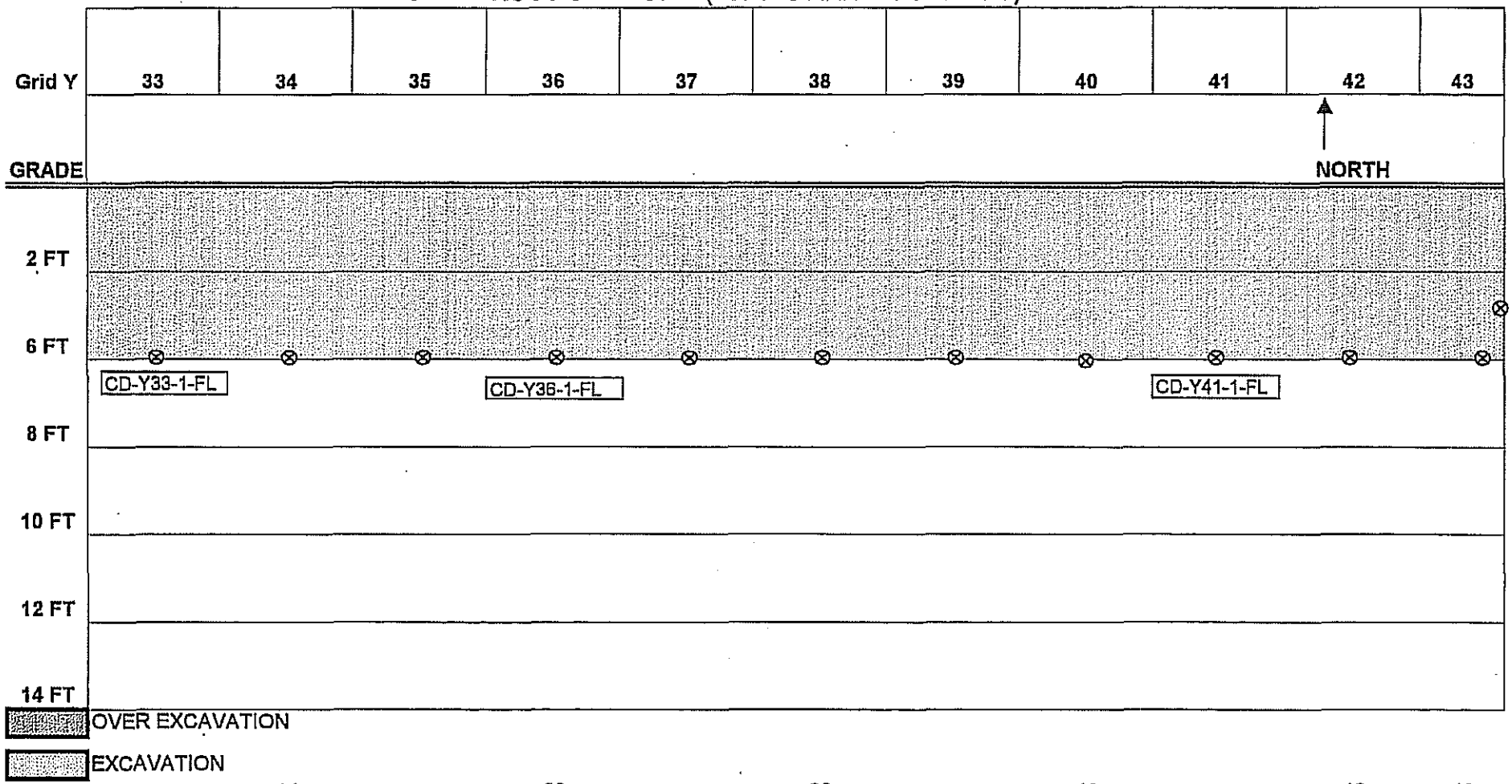


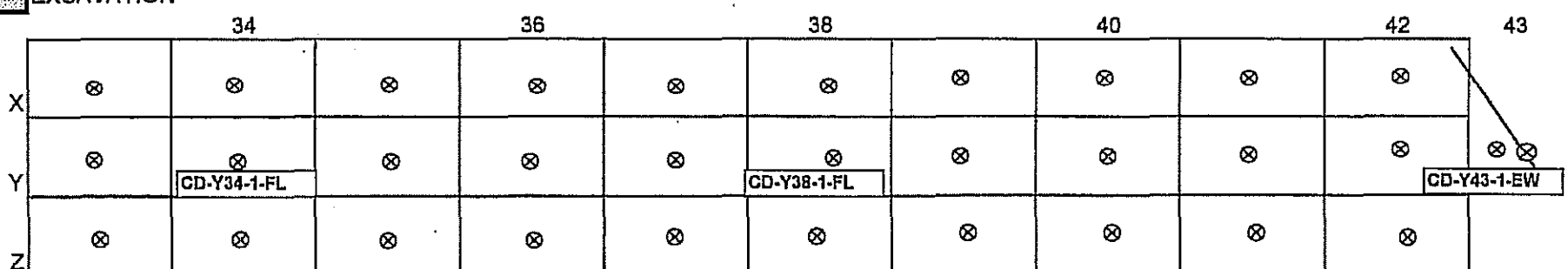


PLAN VIEW

T 42

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Y-43

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 03/9/10

Grid number: AA44

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
Outside Limits	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soil sample collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with geotextile on the base and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil samples labeled : CD-AA44-1-FL2' and CD-BA43-1-EW

The above listed work is accepted:

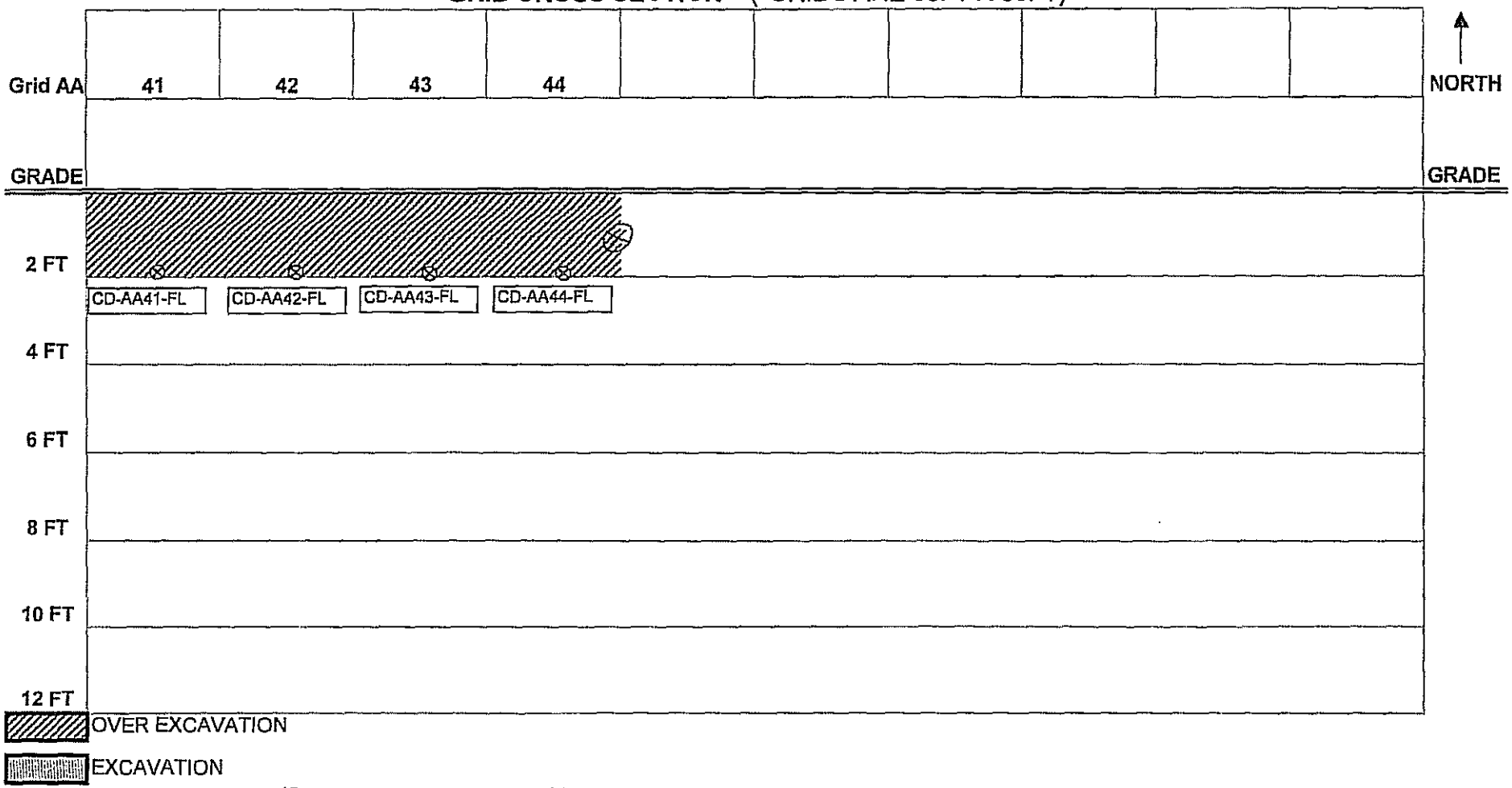
Patrick Carr
Sevenson Representative

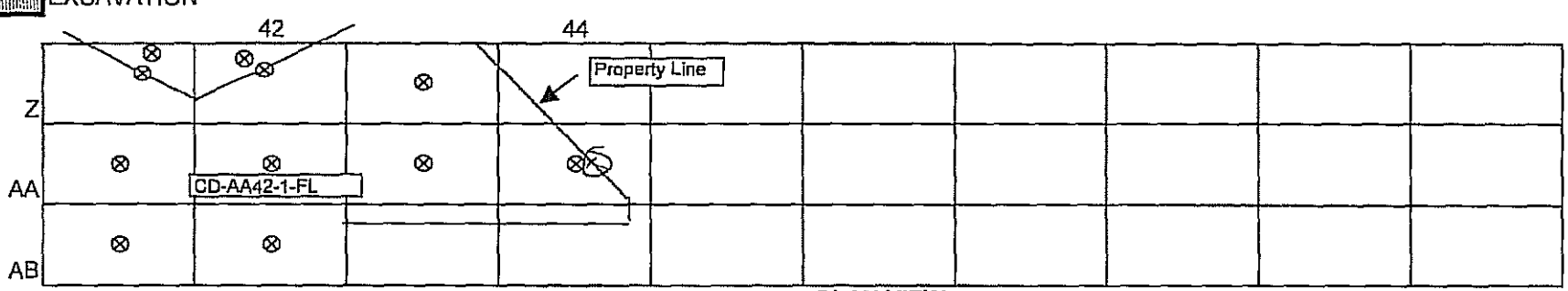
USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

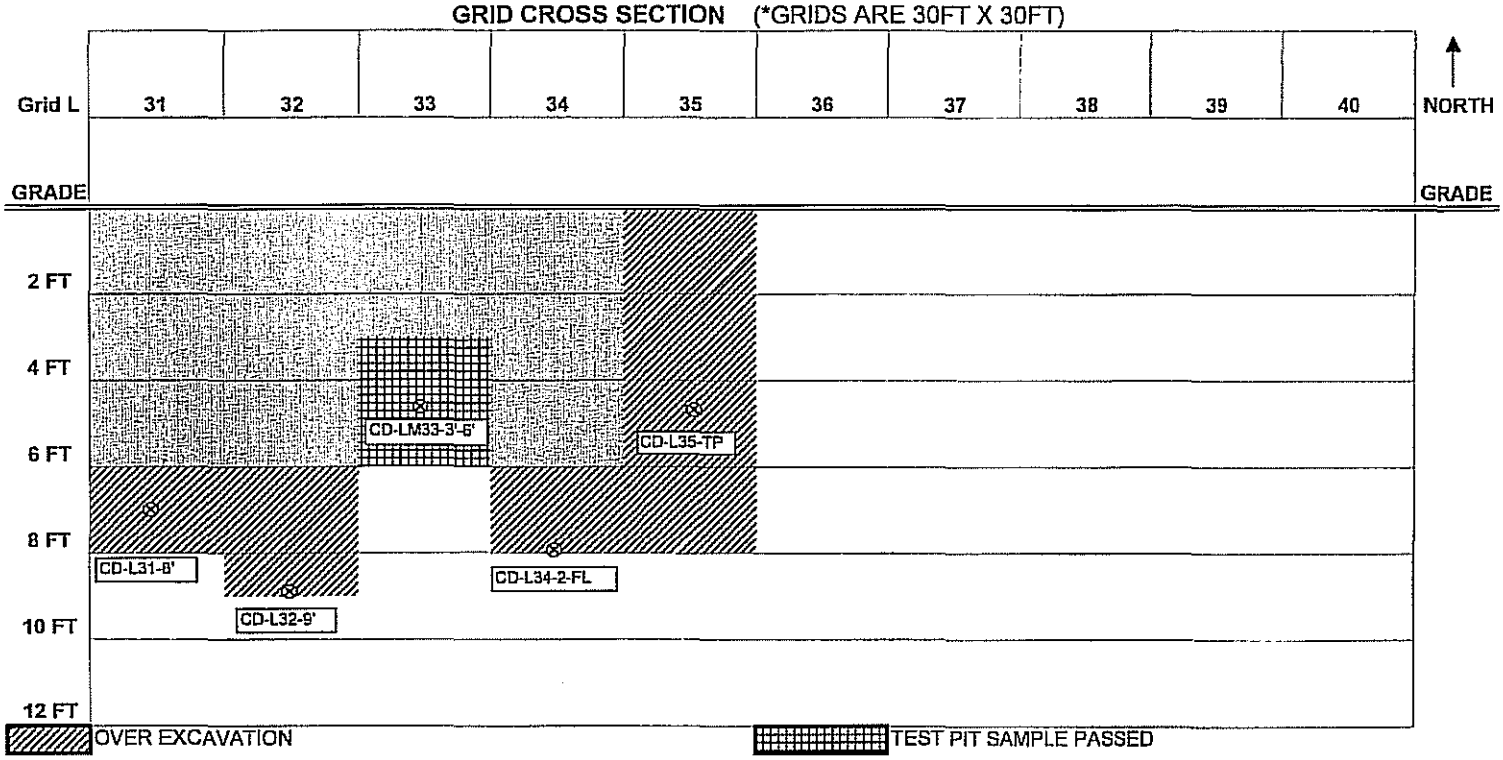


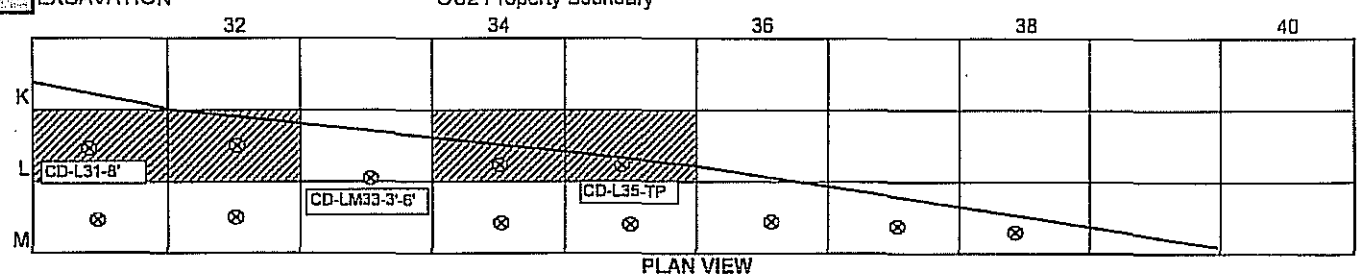


PLAN VIEW

L-35

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 1/11/12

Grid number: K31

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
6 ft	10 ft	Yes	n/a

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 10ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be placed to the sub grade elevation per final engineering controls. Soil samples labeled: CD-K3031-3-FL and CD-K31-2-SW.

The above listed work is accepted:

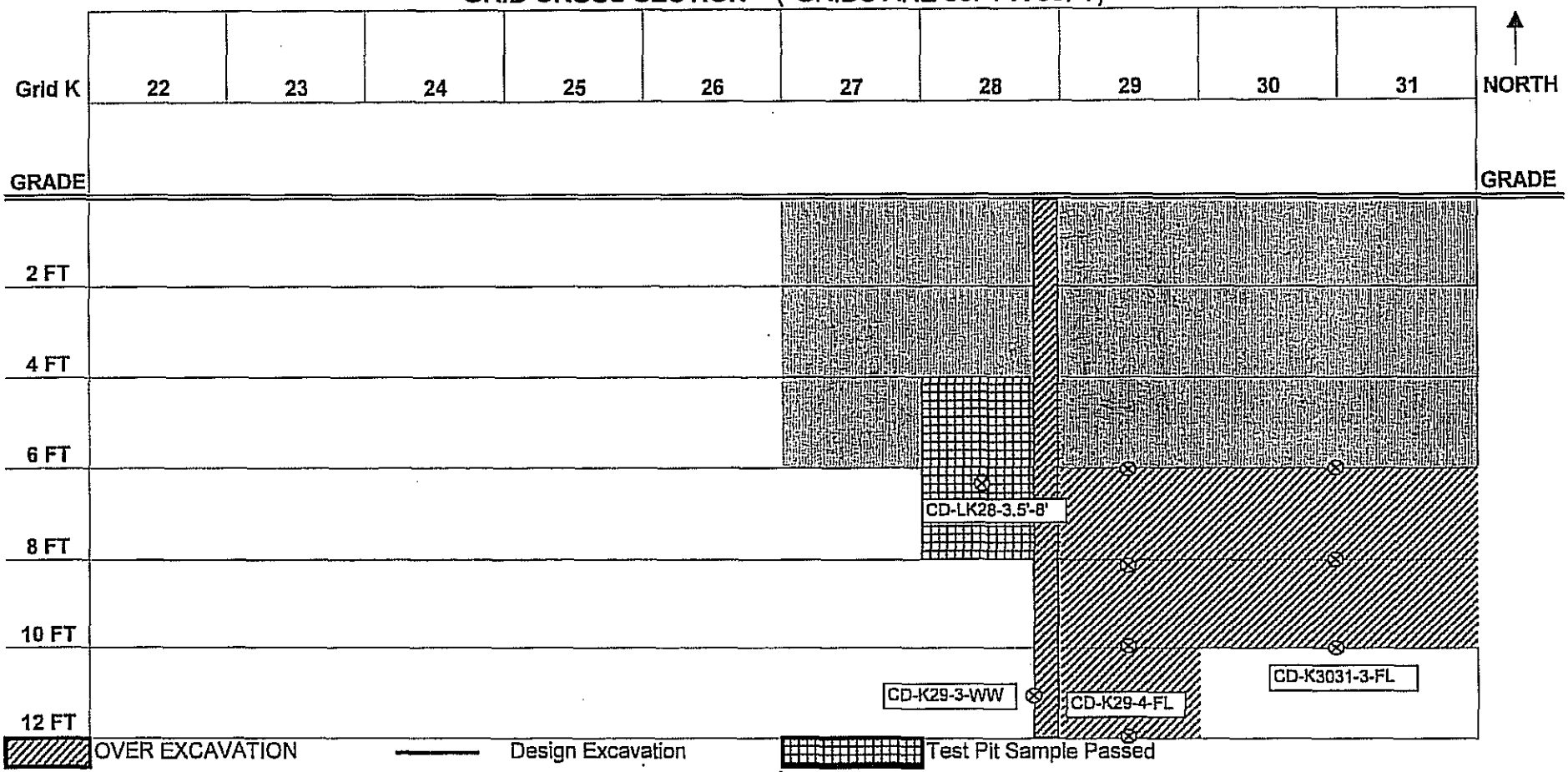
Michael Misiaszek
Sevenson Representative

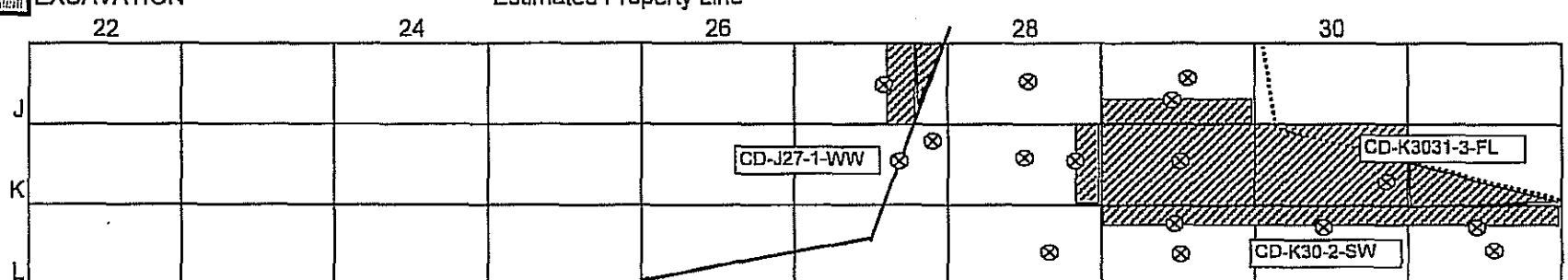
USEPA Representative

USACE Representative

Attachments: Post-Excavation Results
**BG= Below Grade

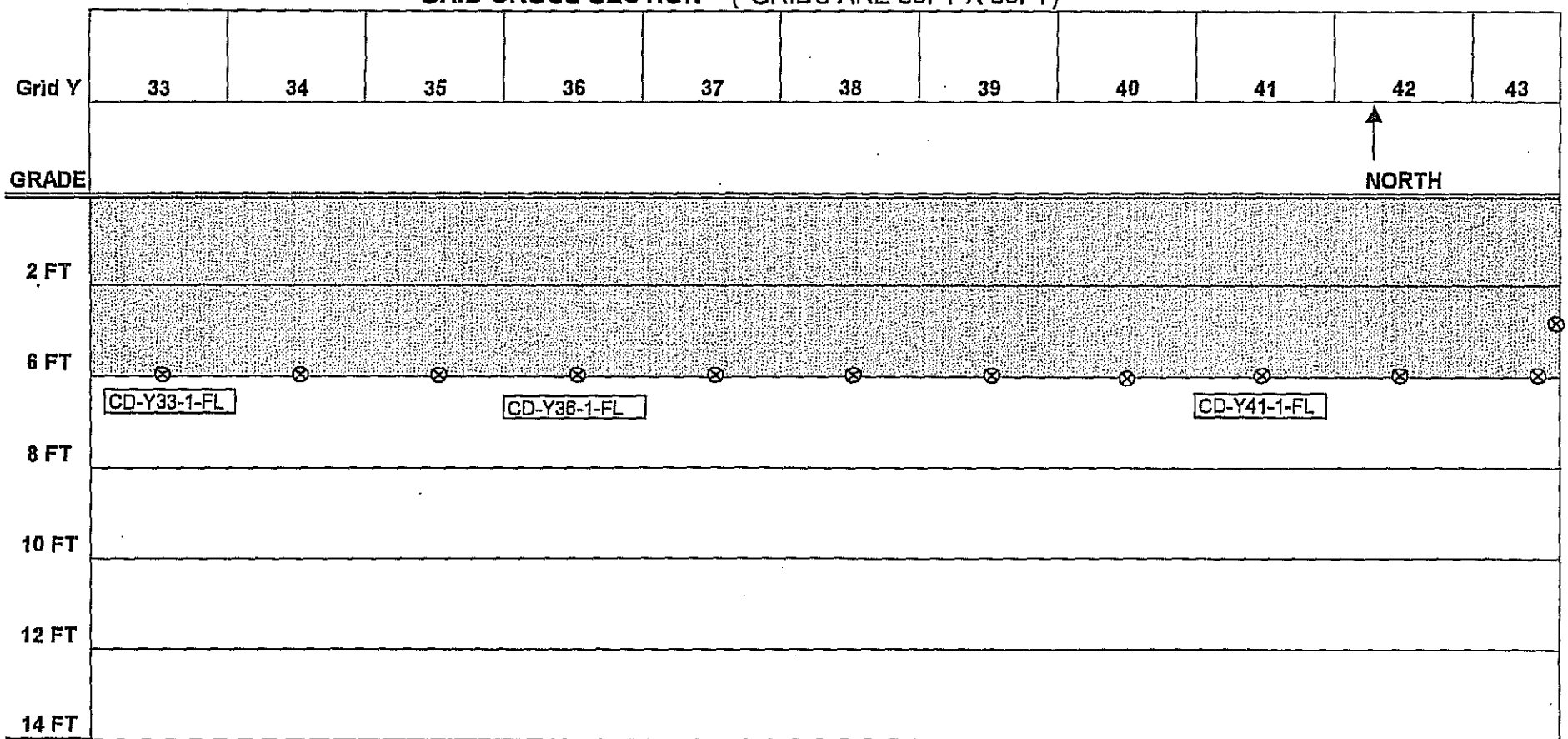
GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

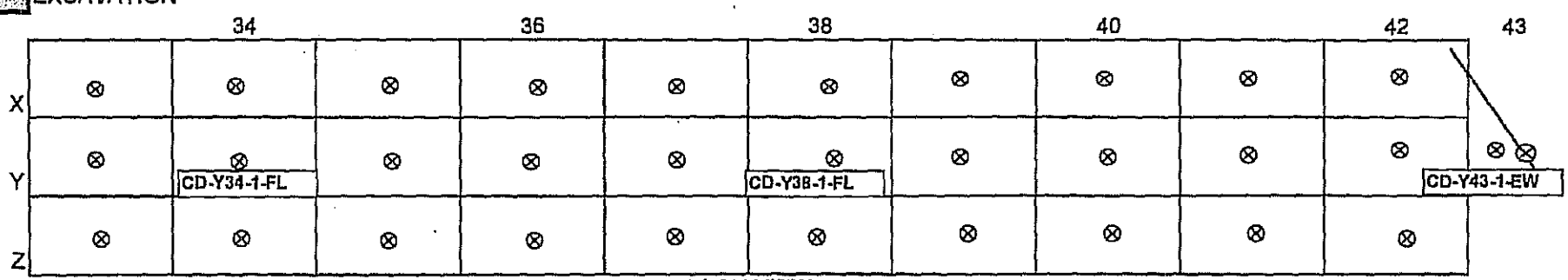




PLAN VIEW

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

43

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

T3

Excavation/Backfill Authorization

Date: 10/6/10

Grid number: T3

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
0 feet BG	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 2ft below grade to remove contaminated material. samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with white demarcation geotextile on the base, treated soils and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil sample labeled: CD-T3-1-FL.

The above listed work is accepted:

Patrick Carr
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

T-4

Excavation/Backfill Authorization

Date: 10/6/10

Grid number: T4

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
0 feet BG	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 2ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with white demarcation geotextile on the base, treated soils and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil sample labeled: CD-T4-1-FL.

The above listed work is accepted:

Patrick Carr PC
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

T-5

Excavation/Backfill Authorization

Date: 10/6/10

Grid number: T5

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
0 feet BG	2 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soils were excavated 2ft below grade to remove contaminated material, samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with white demarcation geotextile on the base, treated soils and then, dense graded aggregate will be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil sample labeled: CD-T5-1-FL.

The above listed work is accepted:

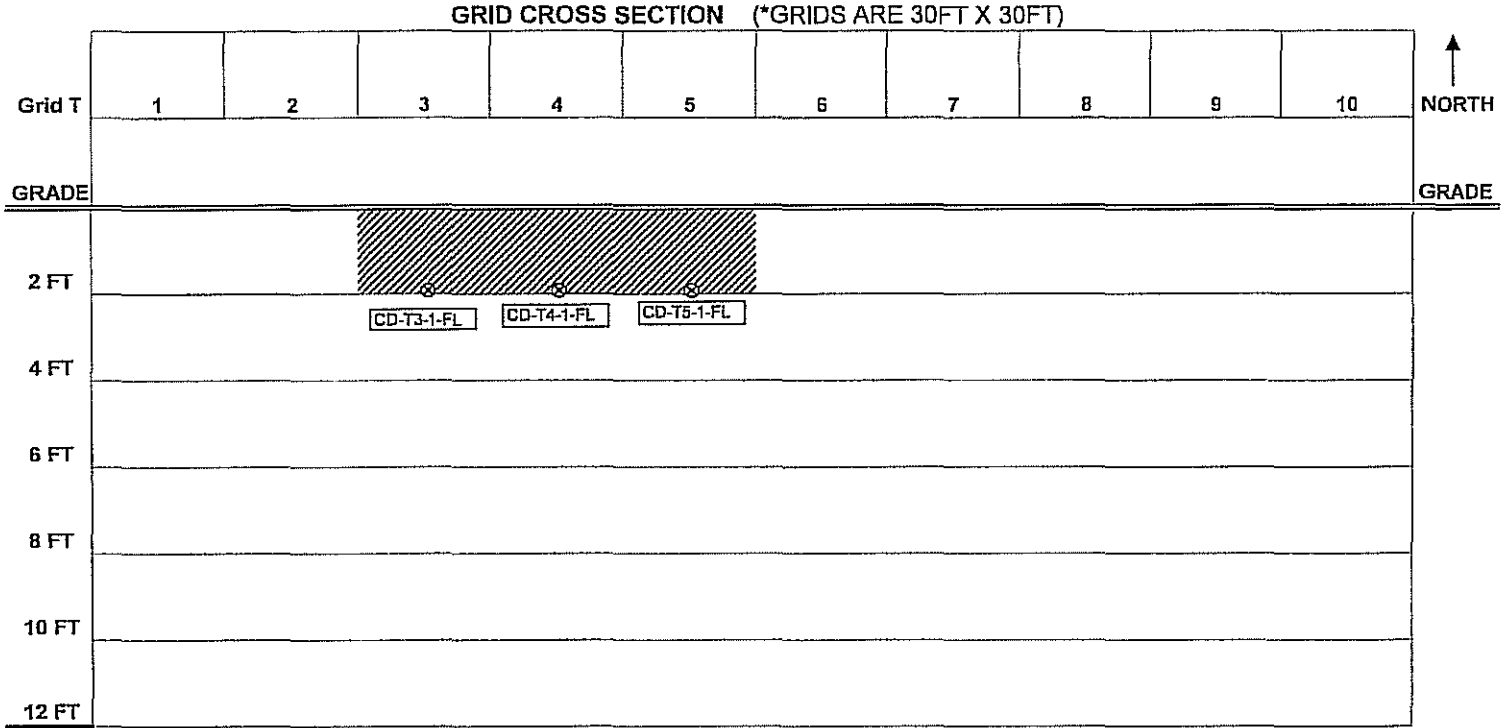
Patrick Carr _____
Sevenson Representative

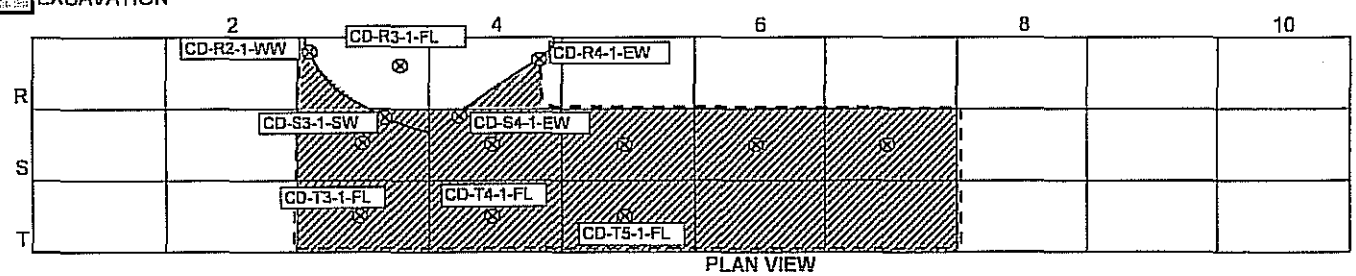
_____
USEPA Representative

_____
USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet),
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

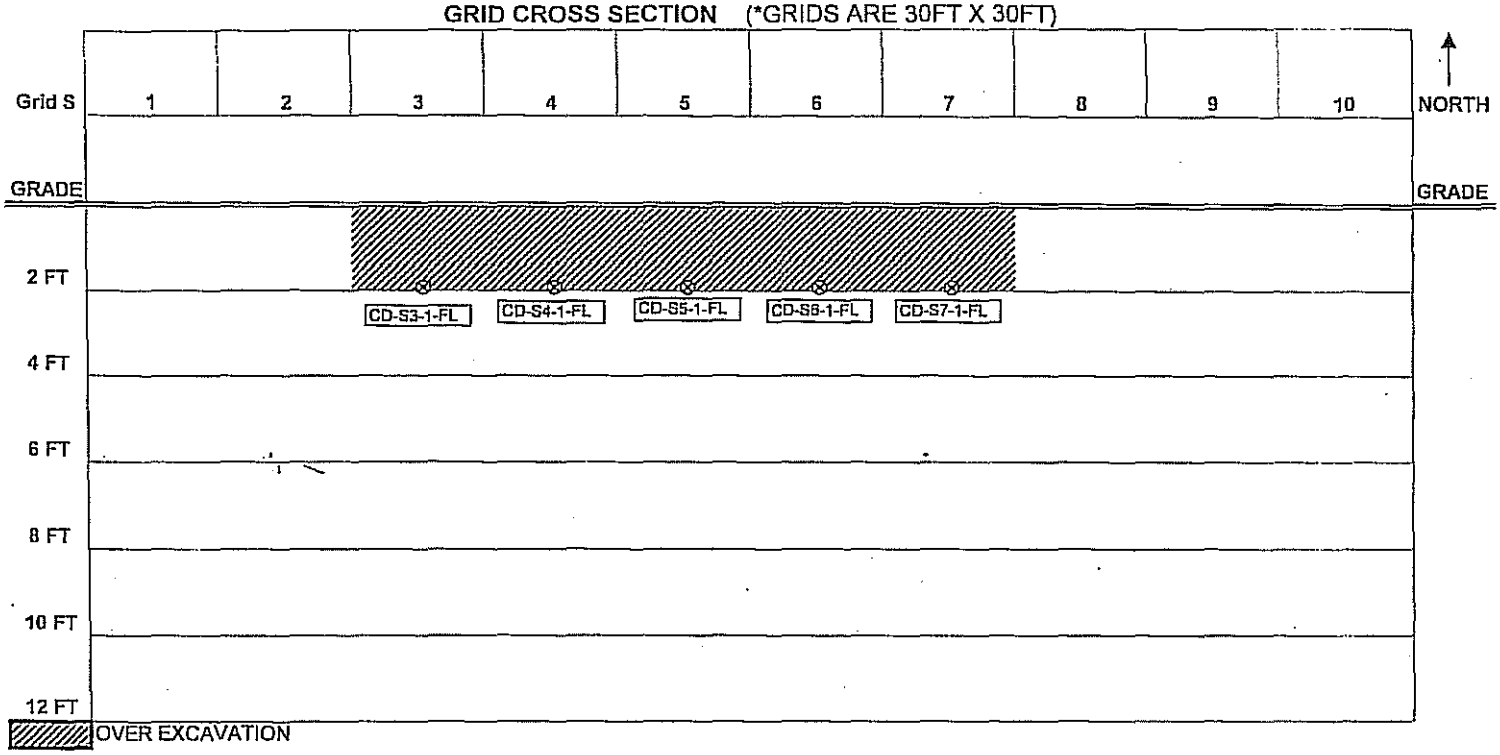


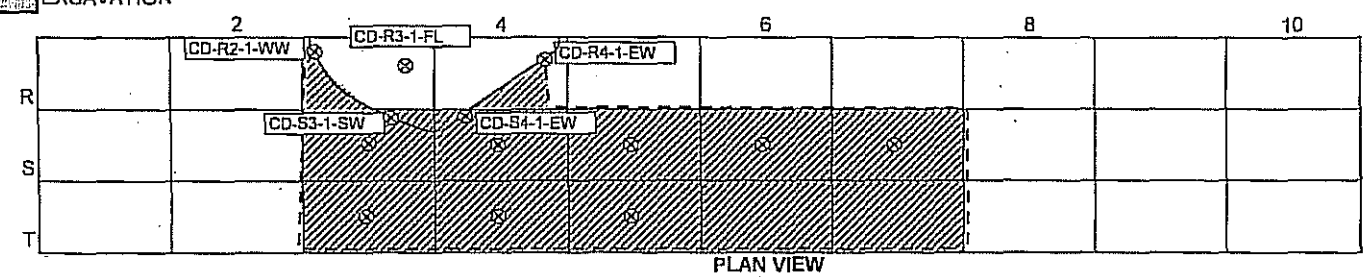


PLAN VIEW

5-345

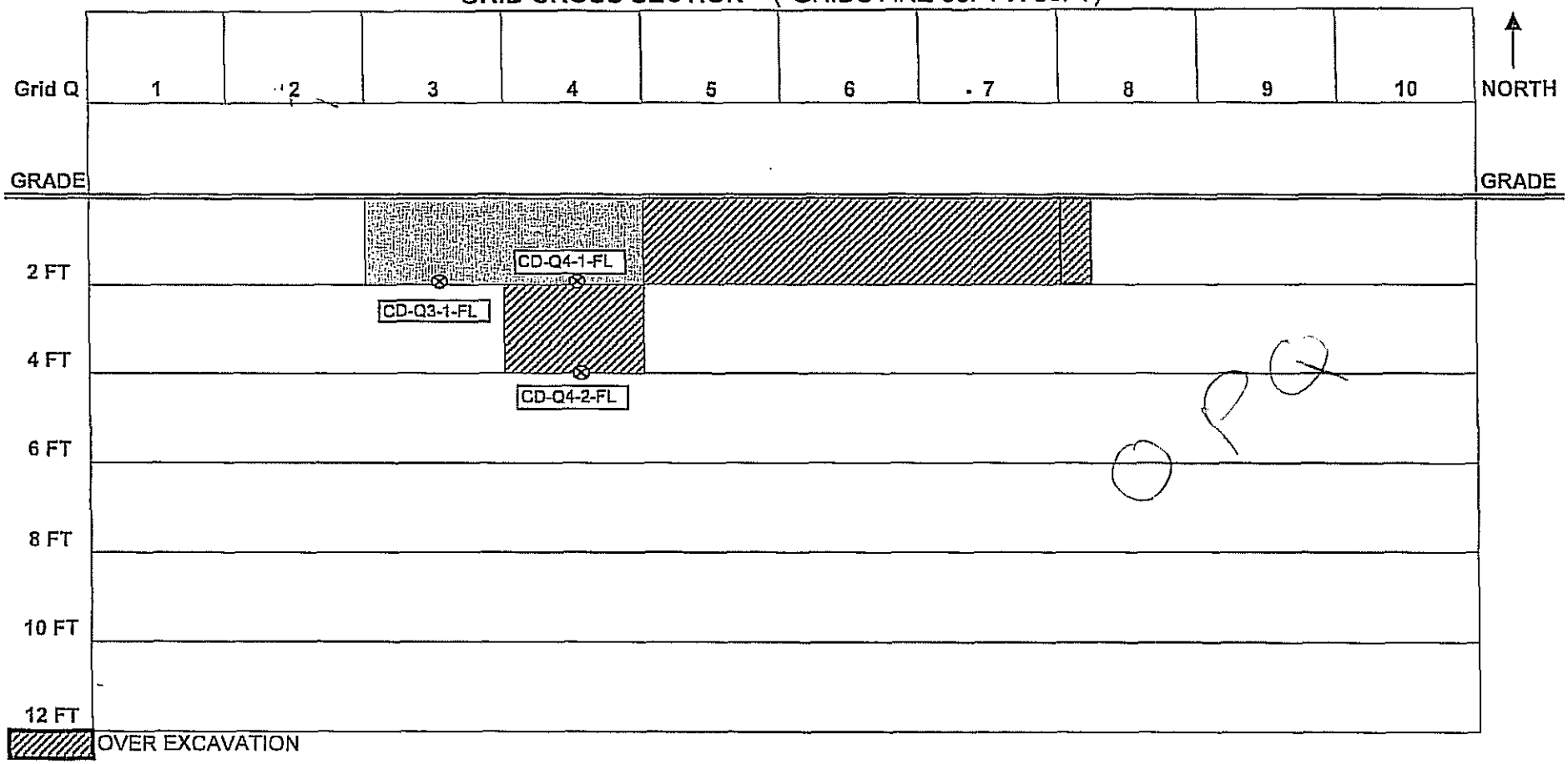
GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

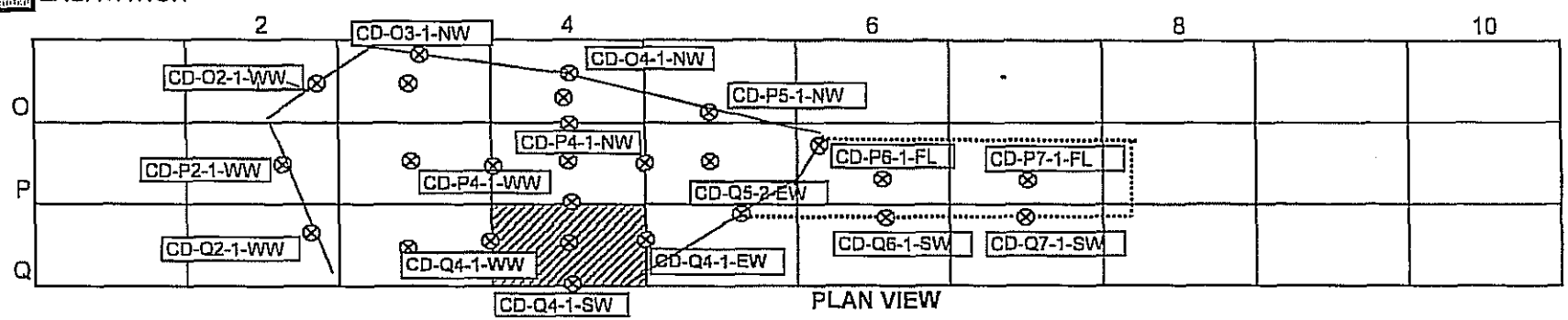




PLAN VIEW

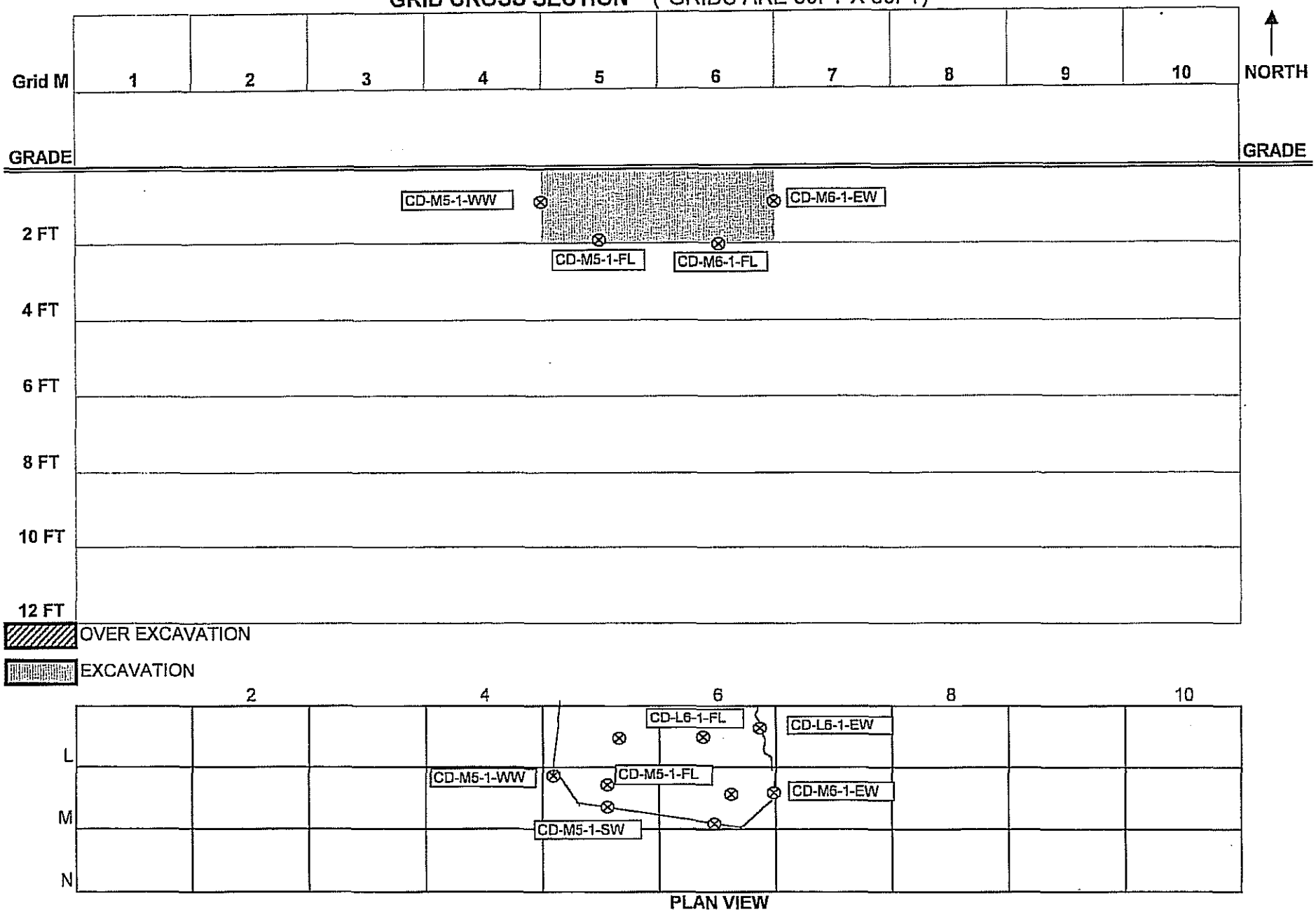
GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

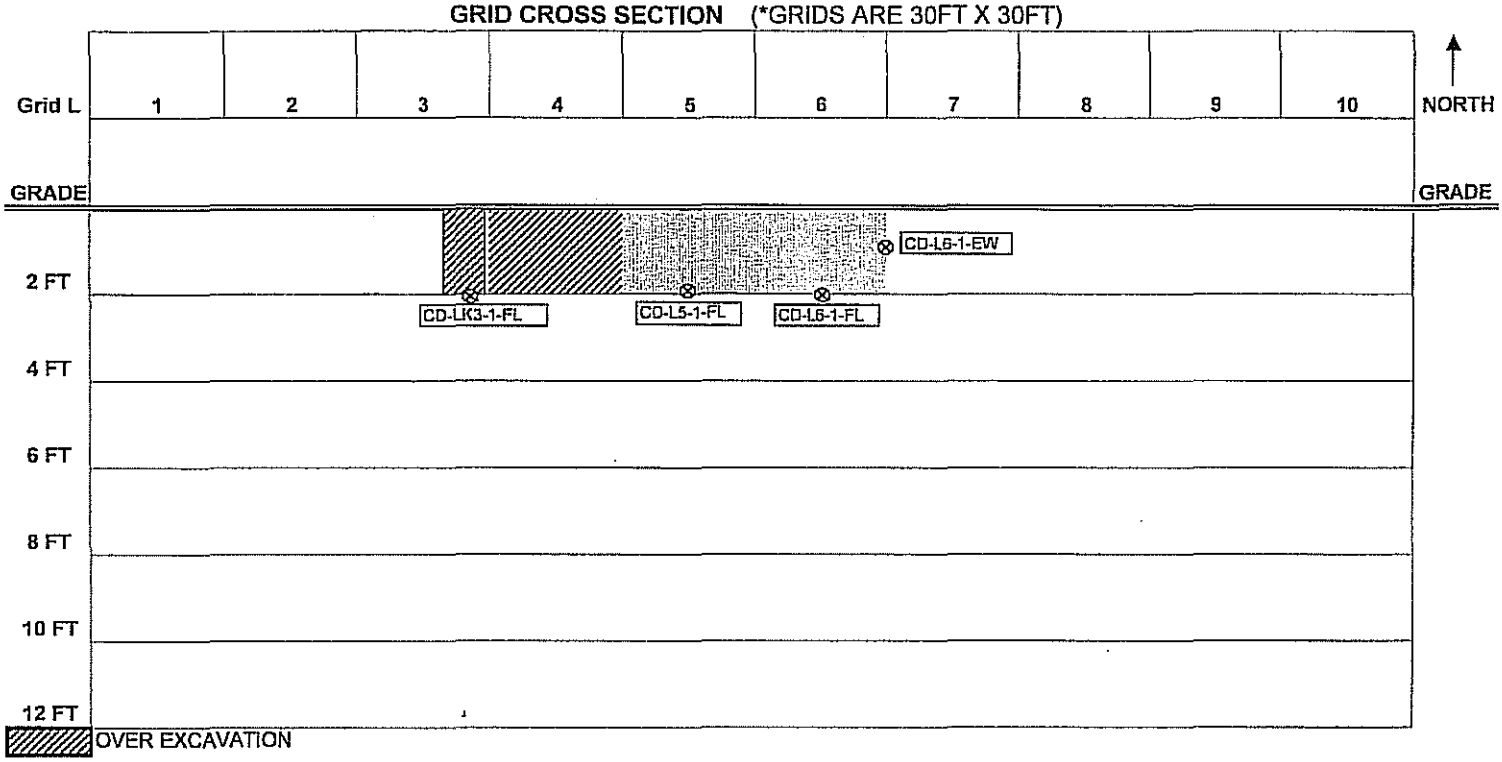
GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

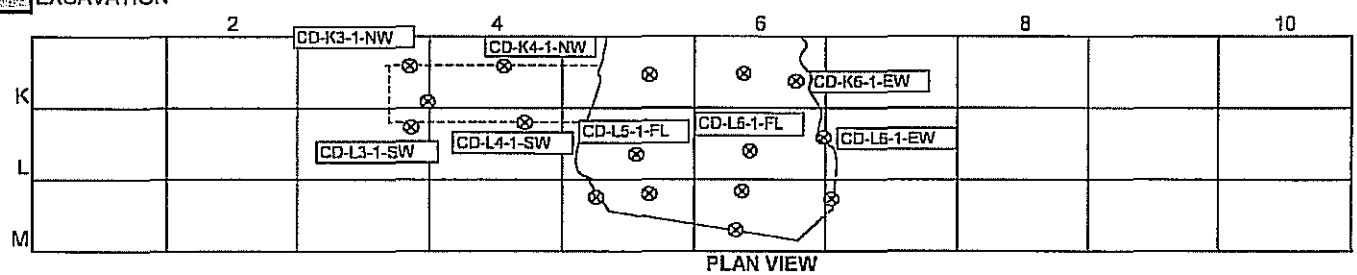


PLAN VIEW

L-3

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/Backfill Authorization

Date: 05/13/10

Grid number: H5

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
0 ft	2 ft	Yes	

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: During the re-grading activities throughout the surrounding grids, an unknown concrete square box was unearthed at 2ft below existing grade, which was the required sub grade depth necessary. The concrete box was filled with black stained sand and the soils surrounding the box had some visual staining. USEPA and USACE were consulted on the findings and concurred with SES recommendation to remove the concrete structure and sample the impacted soils below. Soil sample CD-H5-1-FL was collected and analyzed. Results demonstrated no exceedences above ROD criteria. Therefore, SES recommends backfilling the area with geotextile and dense graded aggregate (DGA) in preparation to receive asphalt.

The above listed work is accepted:

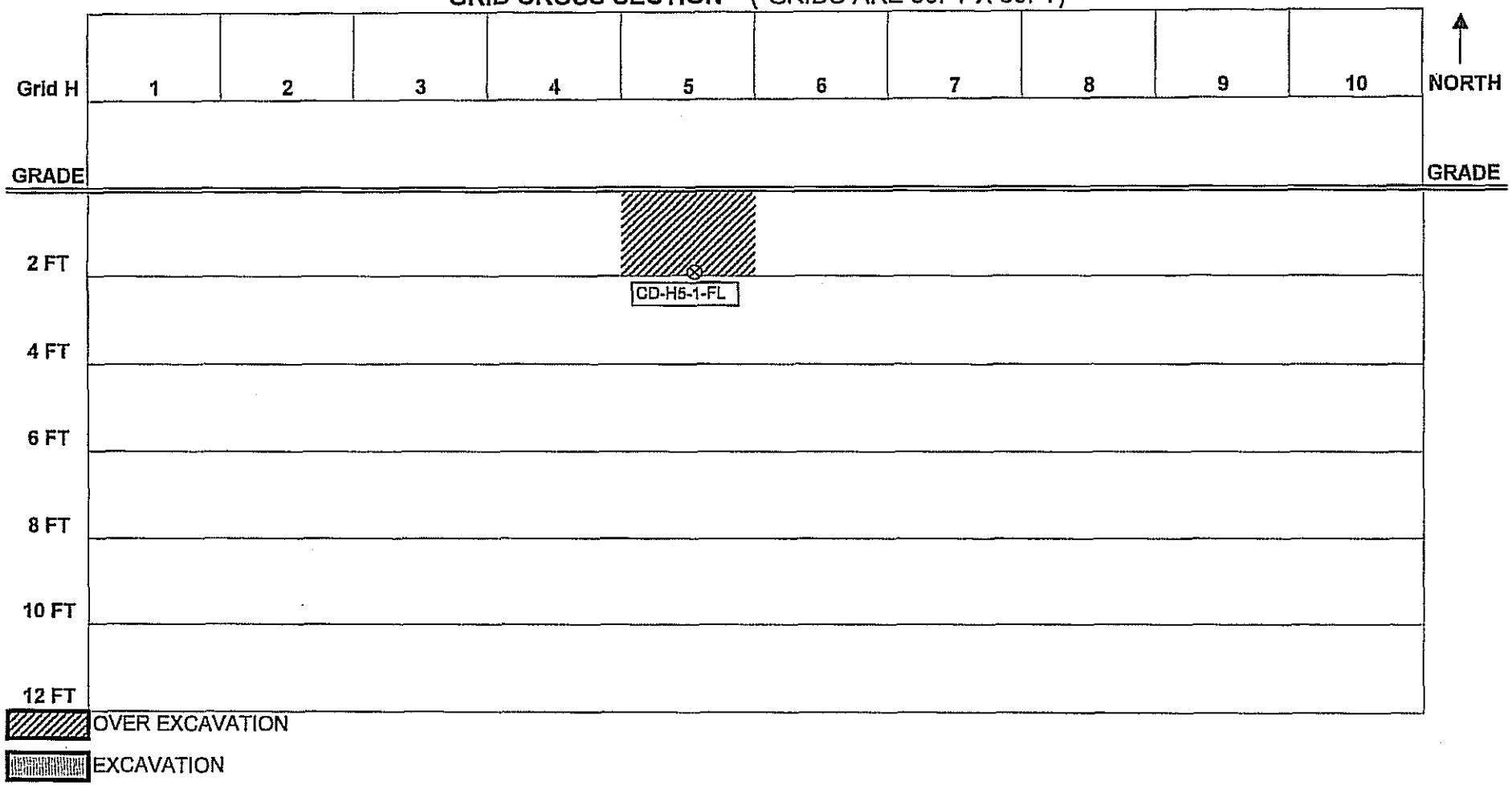
Patrick Carr
Sevenson Representative

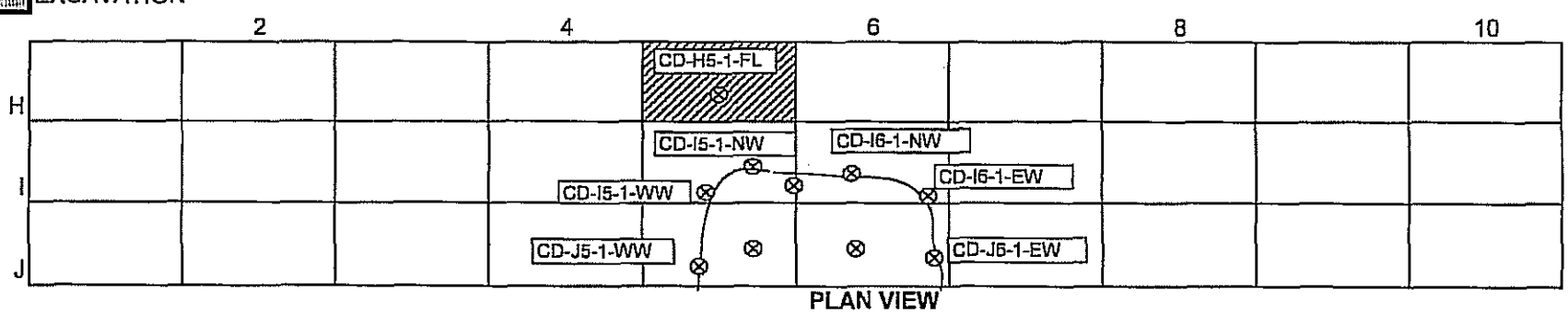
USEPA Representative

USACE Representative

Attachments: Grid Map, Post-Excavation Results,
BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

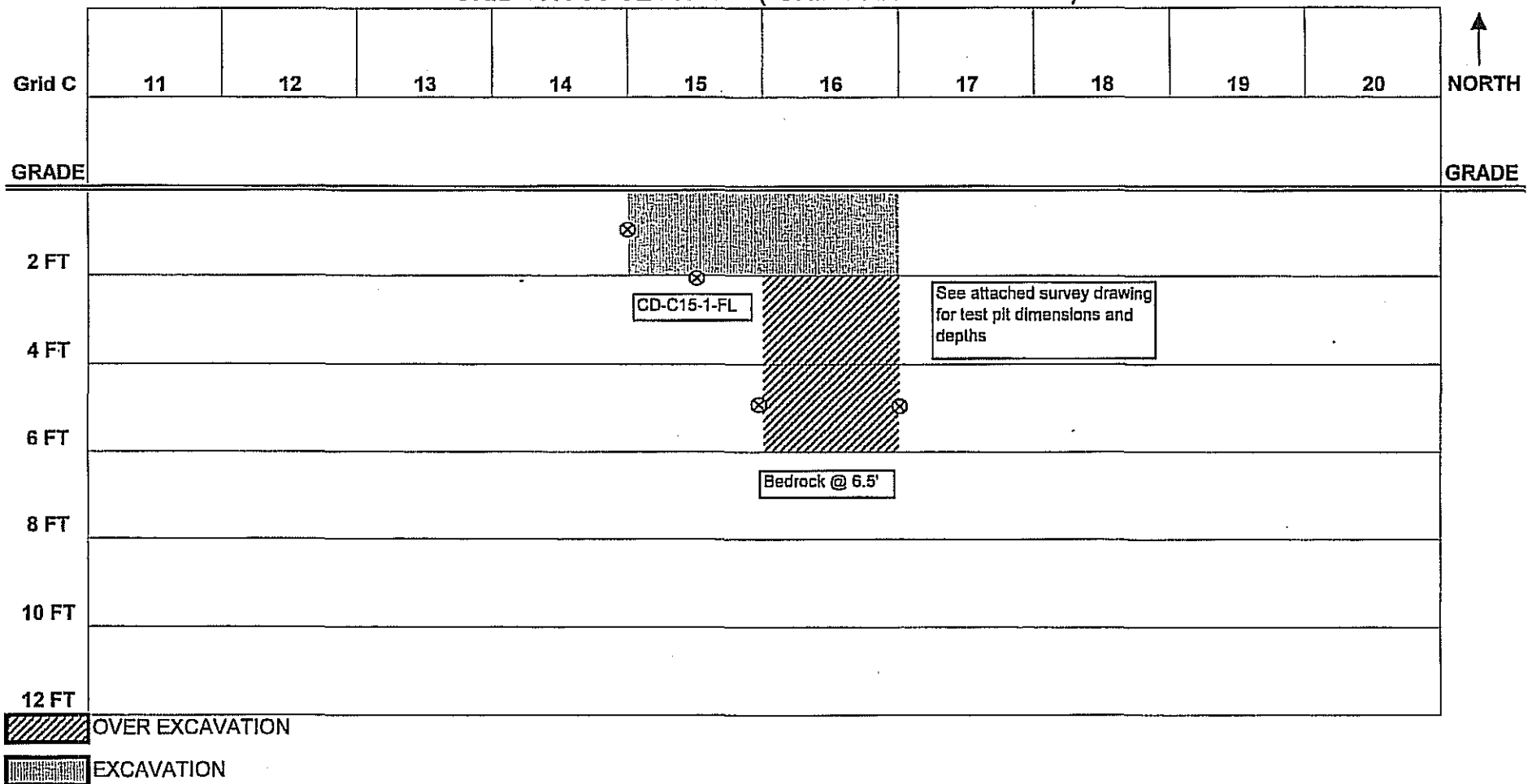


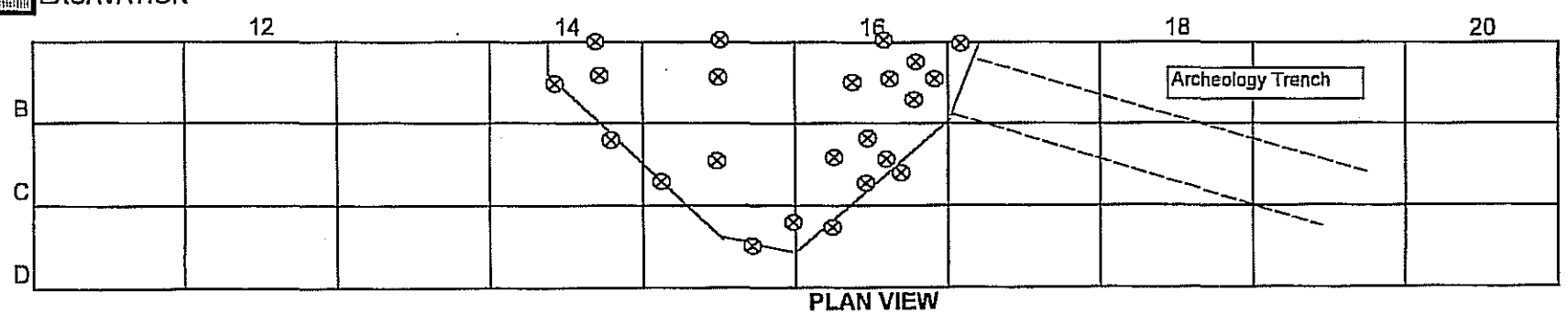


PLAN VIEW

C-19

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)

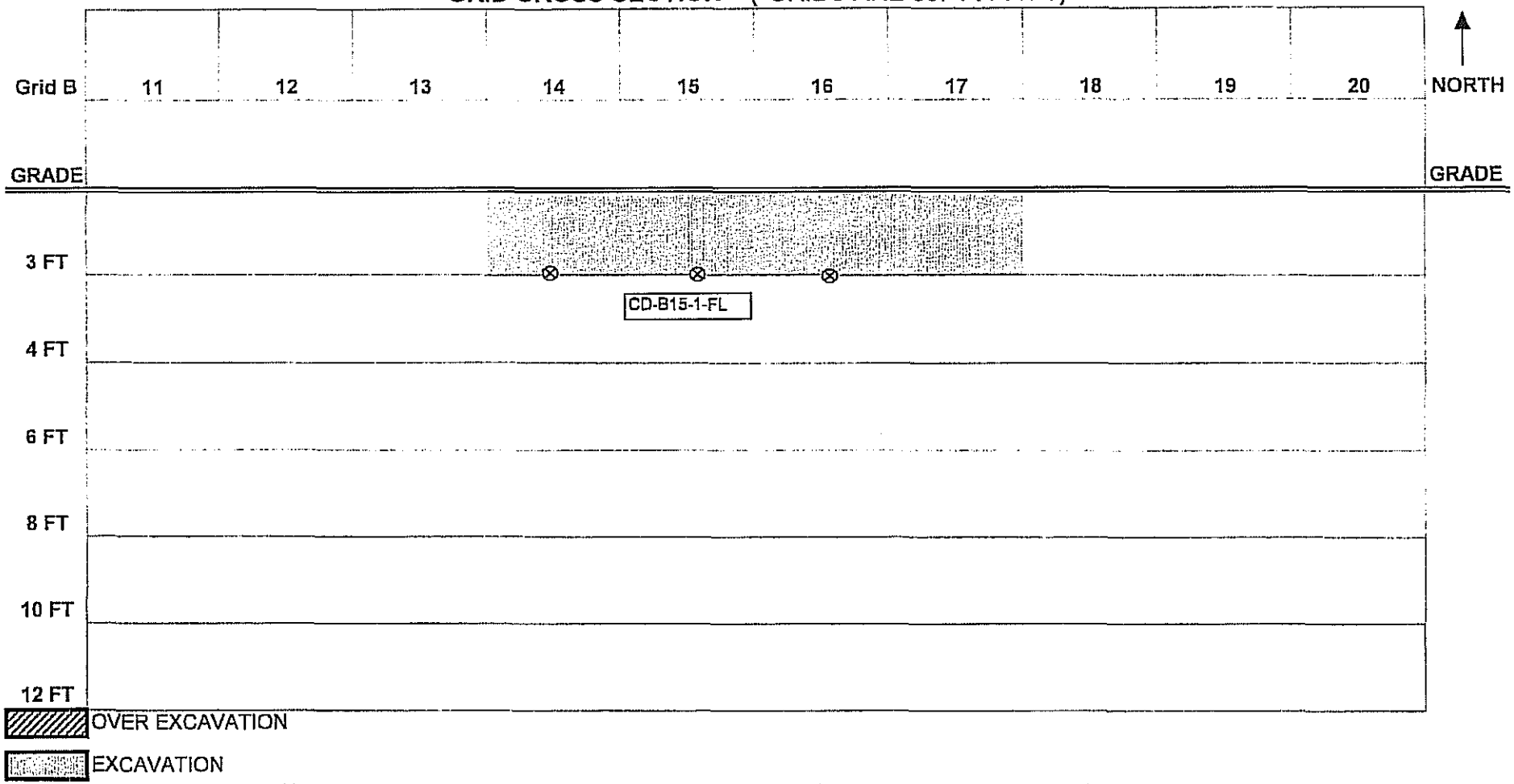


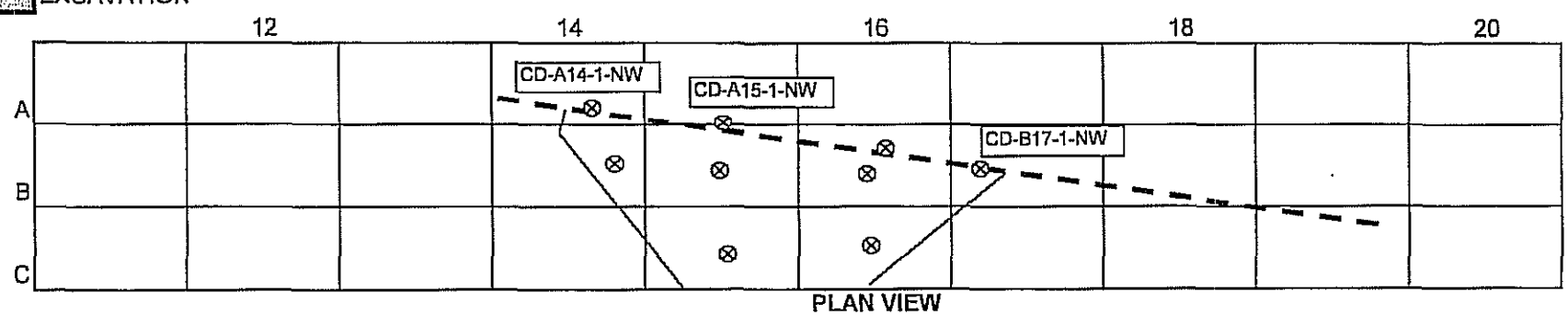


PLAN VIEW

B-14

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 11/9/11

Grid number: D456

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	0 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: No soils were excavated per USACE/USEPA direction in an effort to reduce disposal quantities and samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with black demarcation geotextile on the base and topped with dense graded aggregate to be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil sample labeled: CD-D456-1-FL.

The above listed work is accepted:

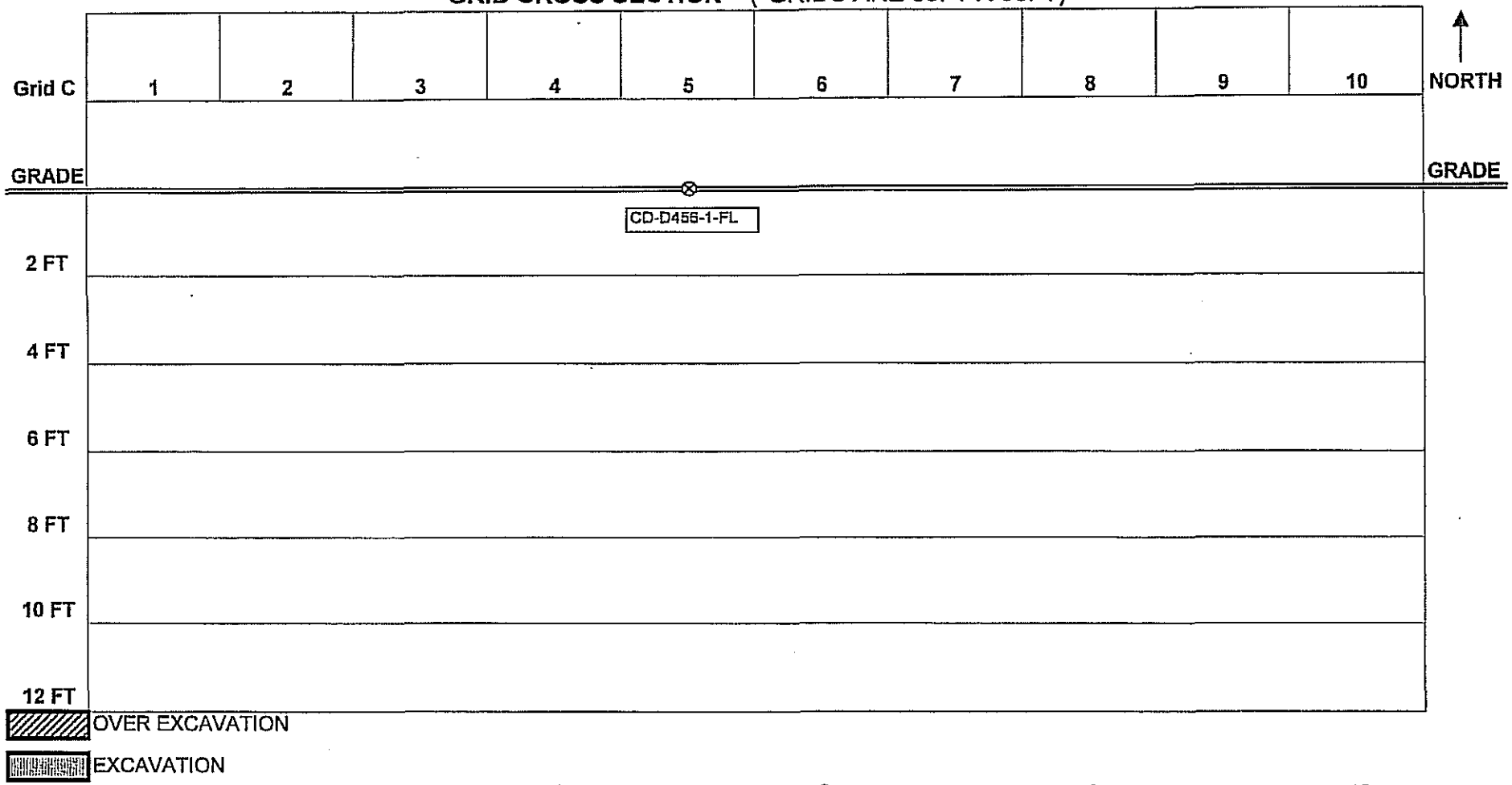
Michael Misiaszek
Sevenson Representative

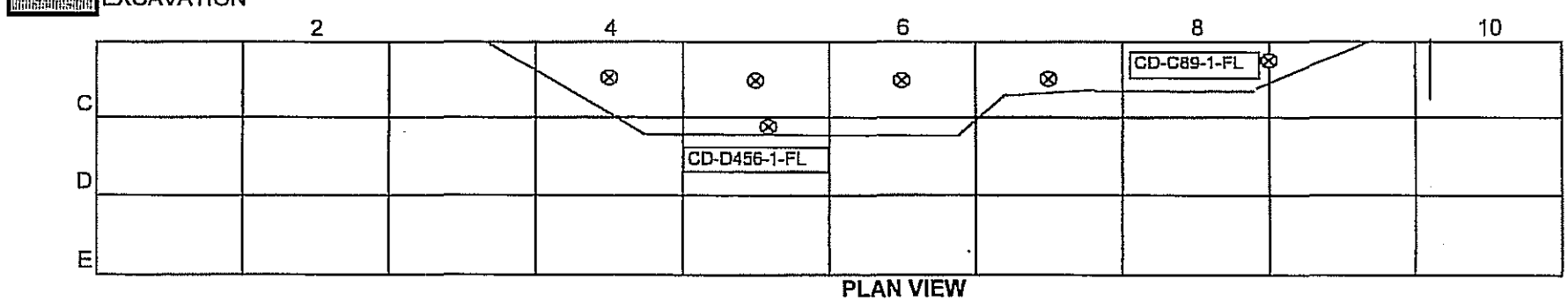
USEPA Representative

USACE Representative

Attachments: Post excavation sample results (Spread Sheet),
**BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 8/4/2009

Grid number: D15/16

Original Excav. Depth	Proposed Excav. Depth BG*	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG		Yes	8/3/2009

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: Soil samples collected and analyzed. Results demonstrate no exceedences above project clean up criteria and Sevenson recommends backfilling. Excavation area to be backfilled first with geotextile on the base and up the walls. Then, dense graded aggregate will be placed in 9 inch compacted lifts, tested for compaction requirements in accordance with the specifications and receive final asphalt capping. Sample points in grid are: D-15/16F, D-16SW, D-15SW.

The above listed work is accepted:

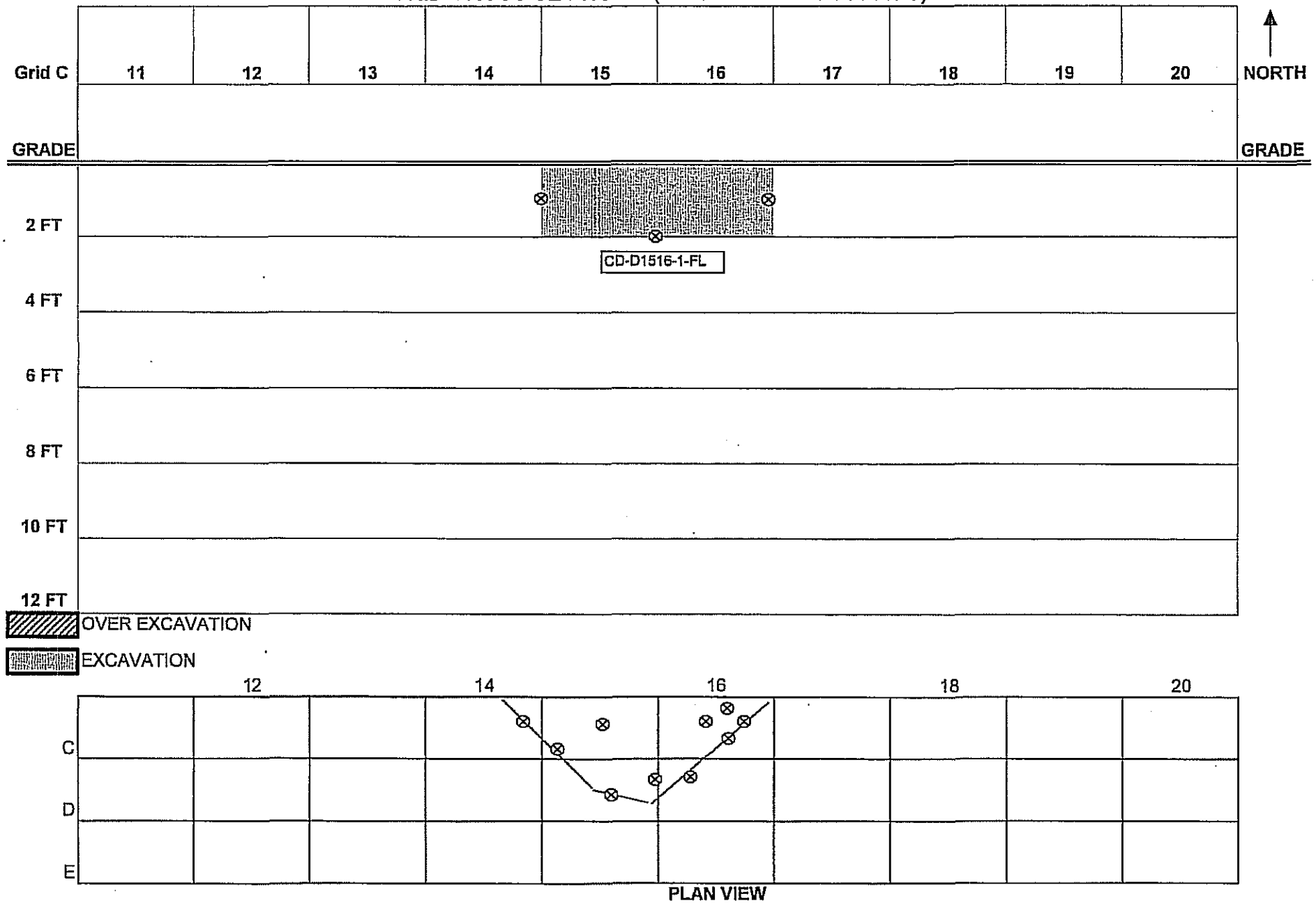
Patrick Carr 8/4/09
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Grid Map, Post excavation sample results (Spread Sheet)
BG= Below Grade

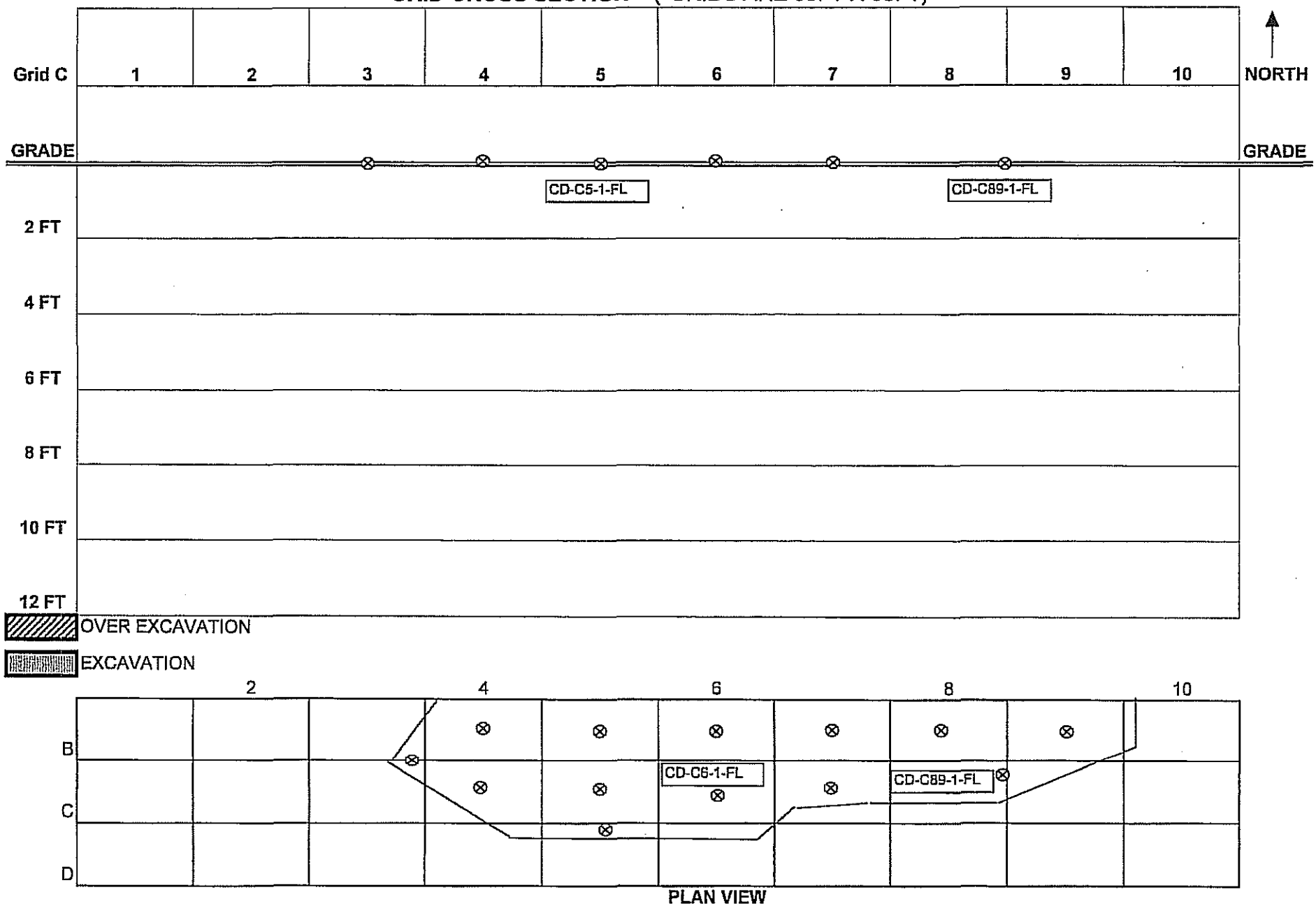
GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)



PLAN VIEW

CD

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)



PLAN VIEW

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 11/9/11

Grid number: C4

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	0 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: No soils were excavated per USACE/USEPA direction in an effort to reduce disposal quantities and samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with black demarcation geotextile on the base and topped with dense graded aggregate to be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil sample labeled: CD-C4-1-FL.

The above listed work is accepted:

Michael Misiaszek
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Post excavation sample results (Spread Sheet),
**BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 11/9/11

Grid number: C5

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	0 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: No soils were excavated per USACE/USEPA direction in an effort to reduce disposal quantities and samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with black demarcation geotextile on the base and topped with dense graded aggregate to be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil sample labeled: CD-C5-1-FL.

The above listed work is accepted:

Michael Misiaszek
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Post excavation sample results (Spread Sheet),
**BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 11/9/11

Grid number: C6

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	0 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: No soils were excavated per USACE/USEPA direction in an effort to reduce disposal quantities and samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with black demarcation geotextile on the base and topped with dense graded aggregate to be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil sample labeled: CD-C6-1-FL.

The above listed work is accepted:

Michael Misiaszek
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Post excavation sample results (Spread Sheet),
**BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 11/9/11

Grid number: C7

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	0 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: No soils were excavated per USACE/USEPA direction in an effort to reduce disposal quantities and samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with black demarcation geotextile on the base and topped with dense graded aggregate to be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil sample labeled: CD-C7-1-FL.

The above listed work is accepted:

Michael Misiaszek
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Post excavation sample results (Spread Sheet),
**BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 11/9/11

Grid number: C8/9

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	0 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: No soils were excavated per USACE/USEPA direction in an effort to reduce disposal quantities and samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with black demarcation geotextile on the base and topped with dense graded aggregate to be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil sample labeled: CD-C89-1-FL.

The above listed work is accepted:

Michael Misiaszek
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Post excavation sample results (Spread Sheet),
**BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 11/9/11

Grid number: B4

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	0 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: No soils were excavated per USACE/USEPA direction in an effort to reduce disposal quantities and samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with black demarcation geotextile on the base and topped with dense graded aggregate to be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil sample labeled: CD-B4-1-FL.

The above listed work is accepted:

Michael Misiaszek
Sevenson Representative

USEPA Representative

USACE Representative

Attachments: Post excavation sample results (Spread Sheet),
**BG= Below Grade

Cornell Dubilier Superfund Site
South Plainfield, NJ
OU 2- Soils Remediation

Excavation/**Backfill** Authorization

Date: 9/16/11

Grid number: A4

Original Excav. Depth	Proposed Excav. Depth BG**	ROD Requirements Met?	Grid Survey Date (By LS)*
2 feet BG	0 feet BG	Yes	N/A

* Final actual depth determined by licensed land survey. Records are kept on a separate document.

Comments: No soils were excavated per USACE/USEPA direction in an effort to reduce disposal quantities and samples collected and analyzed. Results demonstrate no exceedences above project ROD criteria and Sevenson recommends backfilling. Backfill will be first with black demarcation geotextile on the base and topped with dense graded aggregate to be placed in compacted lifts to the final elevation and tested for compaction requirements in accordance with the specifications. Soil sample labeled: CD-A4-1-FL.

The above listed work is accepted:

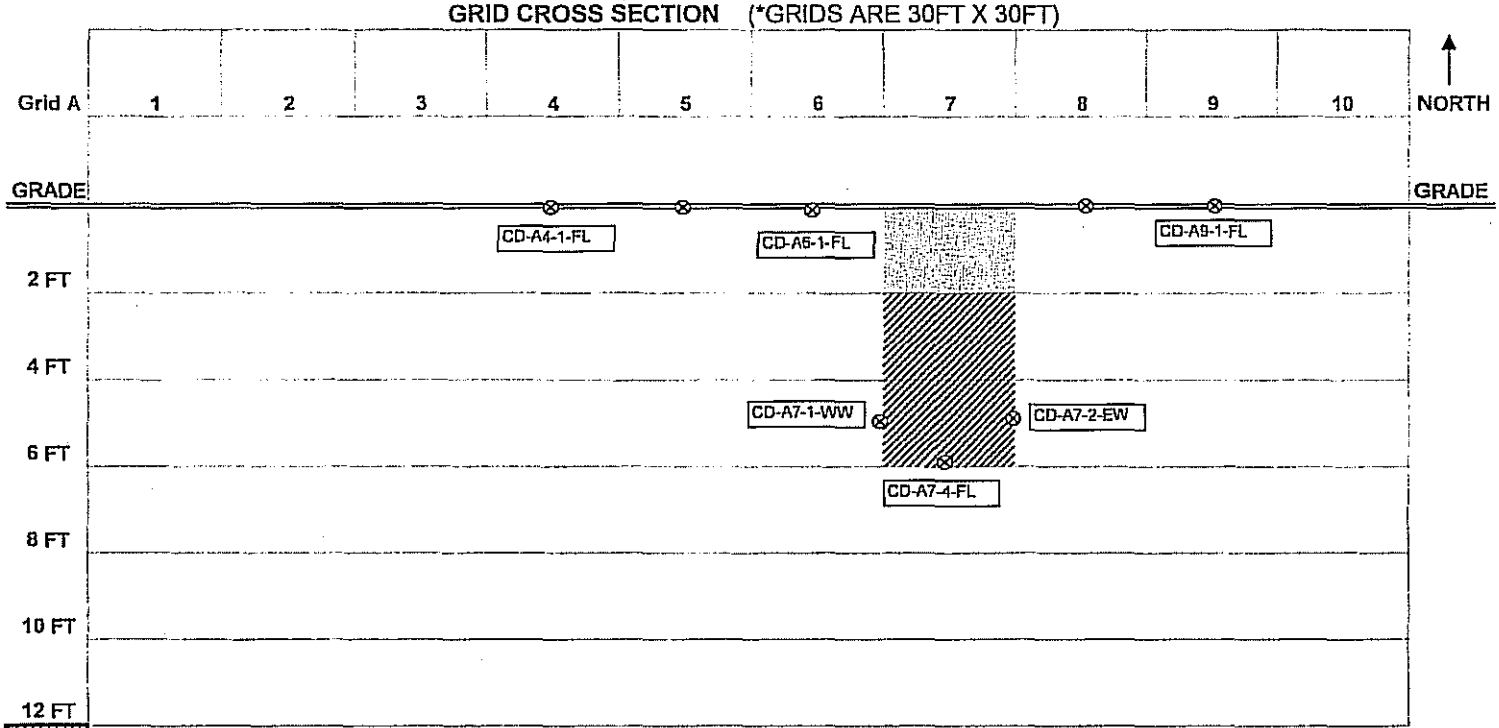
Michael Misiaszek
Sevenson Representative

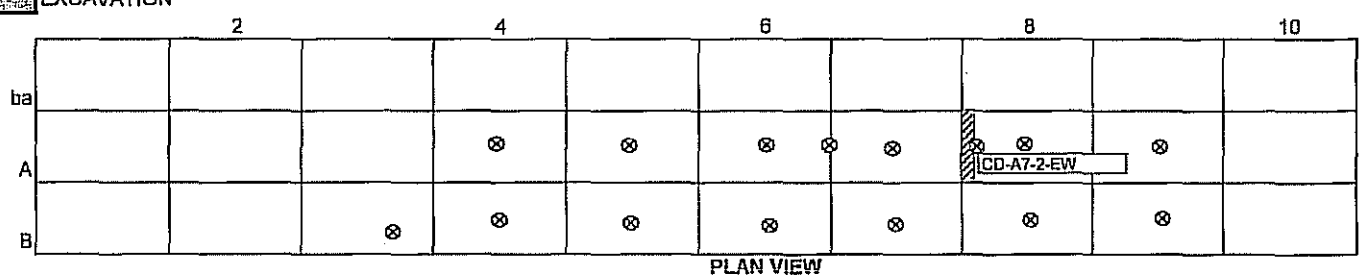
USEPA Representative

USACE Representative

Attachments: Post excavation sample results (Spread Sheet),
**BG= Below Grade

GRID CROSS SECTION (*GRIDS ARE 30FT X 30FT)





PLAN VIEW

DAILY CHEMICAL QUALITY CONTROL REPORT

Date: 8/24/09

Job Identification and Site Numbers: Cornell-Dubilier G-254

Weather: Sunny ~80°F

Subcontractors Present Onsite: Chemical-none

Health and Safety Measures Necessary for Planned Activities: Modified level D

Health and Safety Violations and Corrective Actions: None

Planned Daily Activities: Collect 4 samples for Dioxin/Furan ~~Sample~~ analysis

Description of Chemical Data Acquisition Work Performed: Obtained 4 samples in area around PDI-39

Sample Shipments and Problems Regarding Sampling and Sample Shipments: Shipped via UPS to Mitkem

TASK SPECIFIC QC CHECKLIST
Work Task: Field Documentation
Sevenson Checklist #008

Project Name/Job Number: Cornell Dubuque G254
Inspection Date: 8/24/09

Complete this form for each day samples are taken. Answer each question by checking the appropriate column (yes, no, not observed (N/O), or not applicable (N/A)). If "no" is checked, provide an explanation of the non-compliance and associated corrective action(s).

	Yes	No	N/A
Was all original field data recorded in black indelible ink?	X		
Were logbooks filled out properly, accurately recounting the day's events?	X		
Were all field forms completed and information accurately recorded?	X		
• Field Sampling Forms	X		
• Chain of Custody Forms	X		
• Field Log Books	X		
• Field Change Request Forms			X
• Additional Forms (list below)			X
Was field documentation forwarded to Sevenson office for peer/QC review?	X		
Were deficiencies reported to the Field Sampling Manager?			X

Notes/Comments

QC Inspector Name and Signature

Michael Mizerek

Date

8/24/09

TASK SPECIFIC QC CHECKLIST
Work Task: Decontamination
Sevenson Checklist #009

Project Name/Job Number: Cornell-Dubilier G-254
Inspection Date: 8/24/09

Complete this form for each day samples are taken. Answer each question by checking the appropriate column (yes, no, not observed (N/O), or not applicable (N/A)). If "no" is checked, provide an explanation of the non-compliance and associated corrective action(s).

	Yes	No	N/O	N/A
Was all sampling equipment decontaminated properly prior to use and between sample intervals?	X			
Was each decontamination event recorded in the logbook?	X			
Was investigation derived waste (IDW) (e.g., decontamination water, personal protective equipment (PPE), etc.) handled properly?	X			
Were the location, type, number and source of containers of IDW recorded in the logbook?	X		- - -	
Was Sevenson Technical Services notified if IDW requires offsite disposal?	X			

Notes/Comments

QC Inspector Name and Signature

Michael Mizerek

Date

8/24/09

TASK SPECIFIC QC CHECKLIST
Work Task: Sample Cooler Shipment
Sevenson Checklist #010

Project Name/Job Number: Cornell-Dubilier G-254
Inspection Date: _____

☐ **PREPARATORY PHASE**

Yes	*No*	*N/A*		*Comment*
☒	☐	☐	Have sample shipment procedures in the SAP been reviewed by all field sampling personnel?	
☒	☐	☐	Are sufficient numbers of clean, hard plastic coolers available onsite to meet current sampling schedule?	
☒	☐	☐	Are sufficient packing supplies (i.e. Ziplock™ plastic bags, packing "peanuts", sealing tape, etc.) available onsite?	
☒	☐	☐	Are laboratory chain-of-custody forms, custody seals, and extra sample container labels available onsite?	
☒	☐	☐	Has a common carrier (Federal Express, UPS, etc.) been selected and have package pickup points and times been identified?	
☒	☐	☐	Will sample coolers be D.O.T. regulated for shipping purposes and are D.O.T. required shipping labels and logs available at the site?	
☒	☐	☐	Have the offsite primary and QA laboratories been contacted to verify anticipated sample collection and shipment schedules?	
☒	☐	☐	Does the primary and QA laboratory have a list of sample shipping site contacts should there be problems or questions?	
☒	☐	☐	Is an ice source available on or near the site?	

☐ **INITIAL PHASE** **OR** ☒ **FOLLOW-UP PHASE**

Yes	*No*	*N/A*		*Comment*
☒	☐	☐	Has a Preparatory Phase meeting been conducted?	
☒	☐	☐	Where sample containers received from the field properly labeled , prepared, and recorded in the field logbook and in the site sample summary log per the SAP?	
☒	☐	☐	Was the sample cooler inspected to verify that it was clean, undamaged, and had no external markings or shipping addresses unrelated to the project?	

Comments: _____

_____

_____

_____

Sevenson Project Manager _____

	Name	Signature	Date
QC Reviewer	Michael Mizaseek		8/24/09
CQC Systems Manager	Patrick Carr		8/24/09

MITKEM LABORATORIES

A Division of SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Michael Mizuszek
333 Hamilton Blvd
South Plainfield, NJ 07080
908-769-5301
Project Mgr.: Kim Lekfield

Invoice To: Sevenson Environmental
2749 Lockport Rd
Niagara Falls, NY 14305
716-284-0431
P.O. No.: G2549007 RQN: _____

Project No.: G-254
Site Name: Cornell-Dubilier
Location: South Plainfield State: NJ
Sampler(s): Michael Mizuszek

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: SW846 8290	QA Reporting Notes: (check if needed)
	CD-P34-1-62'E	8/24/09	1000	G	SO			1			X	
	CD-P34-1-02'N	8/24/09	1020	G	SO			1			X	
	CD-P34-1-02'W	8/24/09	1045	G	SO			1			X	
	CD-P34-1-02'S	8/24/09	1105	G	SO			1			X	

QA Reporting Notes (check if needed):
- [ ] Provide MA DEP MCP CAM Report
- [ ] Provide CT DEP RCP Report

QA/QC Reporting Level
- [ ] Standard [ ] No QC
- [ ] Other _____

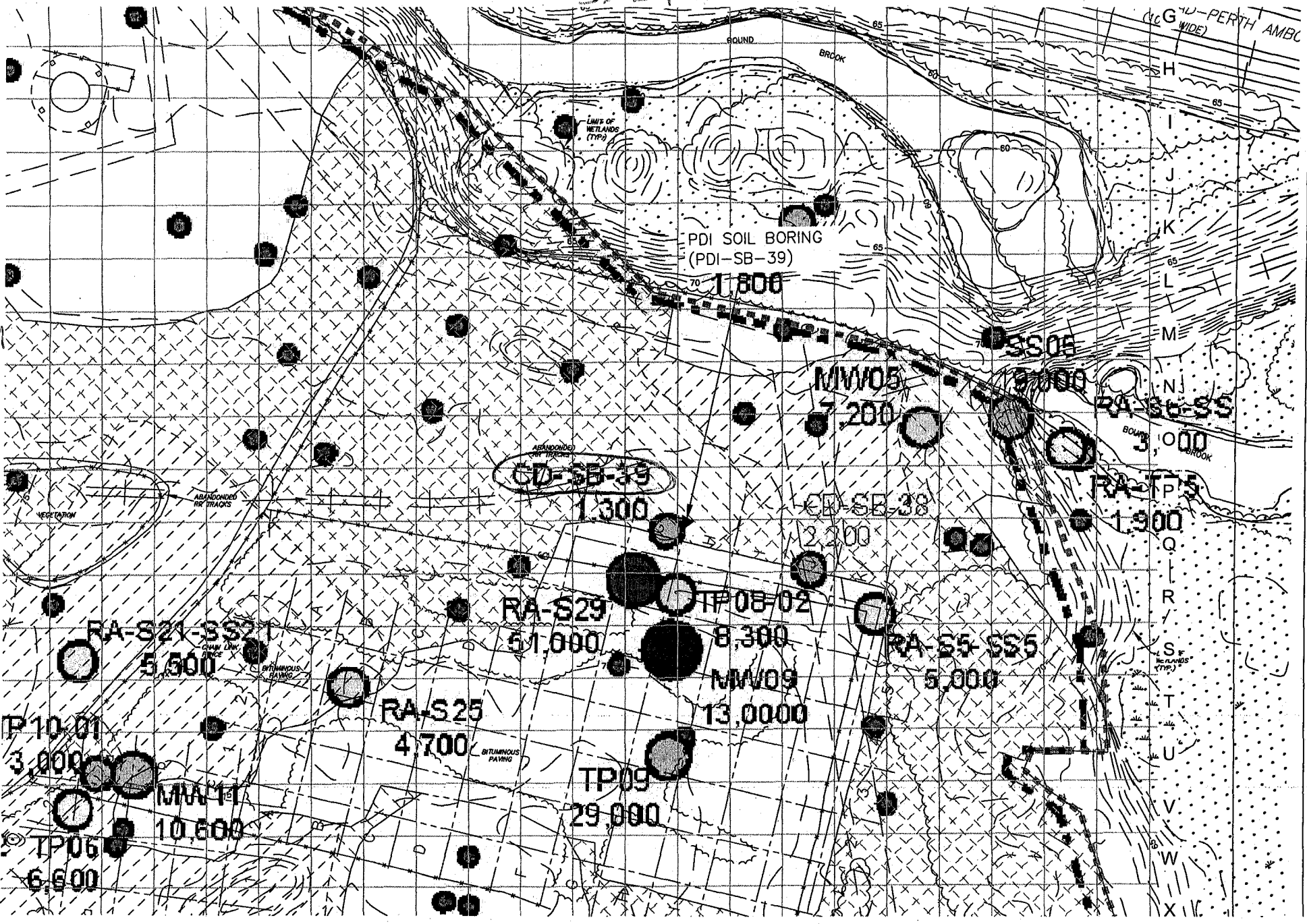
State specific reporting standards: _____

- [ ] Fax results when available to (____) _____
- [x] E-mail to Mikemiz@sevenson.us
EDD Format _____

Condition upon receipt: [ ] Iced [ ] Ambient [ ] °C _____

Relinquished by:	Received by:	Date:	Time:
Michael Mizuszek	UPS	8/24	1602

3334 5



PDI SOIL BORING
(PDI-SB-39)
1,800
SS05
9,000
MW05
7,200
RA-S6-SS
3,000
RA-TP5
1,900
CD-SB-39
1,300
CD-SB-38
2,200
RA-S29
51,000
TP08-02
8,300
RA-S5-SS5
5,000
MW09
13,0000
RA-S21-SS21
5,500
RA-S25
4,700
TP10-01
3,000
MW11
10,600
TP06
6,600
TP09
29,000
LIMIT OF WETLANDS (TYP.)
ABANDONDED RR TRACKS
VEGETATION
BITUMINOUS PAVING
BOUND BROOK

8/24 - M. Mizinszek

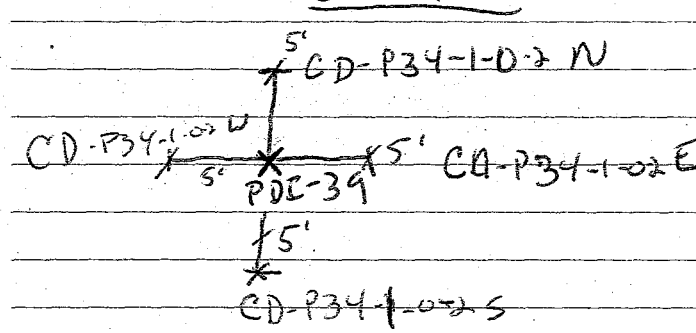
CD-P34-1-0-2' E @ 1000
~~Decon~~ VOC = 0.0
Decon Auger @ 1010

CD-P34-1-02' N @ 1020
VOC = 0.0
DA @ 1030

CD-P34-1-0-2' W @ 1045
VOC = 0.0
DA @ 1050

CD-P34-1-0-2' S @ 1105
VOC = 0.0
DA @ 1115

Sketch



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Shipping Document

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TRACKING NUMBER J212 793 540 2

1 SHIPMENT FROM

SHIPPER'S UPS ACCOUNT NO. 6R9440

REFERENCE NUMBER

NAME: Michael Mizdzek
TELEPHONE: 908-769-5201

COMPANY: Severson Environmental

STREET ADDRESS: 333 Hamilton Blvd

CITY AND STATE: South Plainfield, NJ
ZIP CODE: 07080

2 EXTREMELY URGENT DELIVERY TO

NAME: Sample Receipt
TELEPHONE: 401-732-3400

COMPANY: Mitkem Laboratories

STREET ADDRESS: 175 Metro Centre Blvd
DEPT./FLR.:
Residential Delivery ☐

CITY AND STATE (INCLUDE COUNTRY IF INTERNATIONAL): Warwick, RI
ZIP CODE: 02886

3 WEIGHT

WEIGHT Enter "LTR" If Letter	DIMENSIONAL WEIGHT If Applicable	LARGE PACKAGE
		☐

4 SHIPPER RELEASE ☐

5 TYPE OF SERVICE

☐ NEXT DAY AIR ☐ EXPRESS (INT'L)

FOR WORLDWIDE EXPRESS SHIPMENTS Mark an "X" in this box if shipment only contains documents of no commercial value. ☐ DOCUMENTS ONLY

6 OPTIONAL SERVICES

☐ SATURDAY PICKUP See instructions. ☐ SATURDAY DELIVERY See instructions.

☐ DECLARED VALUE FOR CARRIAGE Contents are automatically protected up to $100. For declared value over $100, see instructions. $ AMOUNT

☐ C.O.D. If C.O.D., enter amount to be collected and attach completed UPS C.O.D. tag to package. $ AMOUNT

7 ADDITIONAL HANDLING CHARGE

☐ An Additional Handling Charge applies for certain items. See instructions.

TOTAL CHARGES

CHARGES

$ $ $ $ $

8 METHOD OF PAYMENT

BILL SHIPPER'S ACCOUNT NUMBER ☐ IN SECTION 1 | BILL RECEIVER ☐ | BILL THIRD PARTY ☐ | CREDIT CARD ☐ | American Express Diner's Club MasterCard Visa | CHECK ☐

DOMESTIC ONLY — RECORD ACCOUNT NO. IN SECTION 9

9 RECEIVER'S/THIRD PARTY'S UPS ACCT. NO. OR MAJOR CREDIT CARD NO. EXPIRATION DATE /

THIRD PARTY'S COMPANY NAME

STREET ADDRESS

CITY AND STATE ZIP CODE

The shipper authorizes UPS to act as forwarding agent for export control and customs purposes. The shipper certifies that these commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

10 SHIPPER'S SIGNATURE X [signature]

All shipments are subject to the terms contained in the UPS Tariff/Terms and Conditions of Service, which are available at ups.com and local UPS offices.

DATE OF SHIPMENT 8/24/0[illegible]

010191120 1/07 S

SHIPPER'S COPY

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

September 30, 2009

Sevenson Environmental Services Inc.
Cornell Dubilier Superfund Site
333 Hamilton Blvd.
South Plainfield, NJ 07080
Attn: Mr. Mike Misiaszek

RE: Client Project: Cornell Dubilier Superfund Site Excavation Soil Chlorinated Dioxin/Furans Analysis
Lab Work Order #: H1640

Dear Mr. Misiaszek:

Enclosed please find the data reports from Columbia Analytical Services located in Houston, TX for the required analyses for the sample associated with the above referenced project. Please note that four soil samples were received at Mitkem Laboratories, a division of Spectrum Analytical, Inc. on August 24, 2009. These samples were forwarded to CAS in Houston TX and were analyzed for Chlorinated Dioxin/Furans Analysis by method SW8290. The entire CAS report is enclosed. If you have any questions regarding this report, please contact me.

If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Shirley Ng
Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755 • 401-732-3400 • Fax 401-732-3499
www.mitkem.com

Columbia Analytical Services™ 19408 Park Row, Suite 320, Houston, TX 77084 | 713.266.1599 | www.caslab.com

September 16, 2009 Service Request No: E0900701

Shirley Ng
Mitkem Laboratories
175 Metro Center Blvd
Warwick, RI 02886

Laboratory Results for: Dioxins/Furans by 8290/H1640

Dear Shirley:

Enclosed are the results of the sample(s) submitted to our laboratory on August 26, 2009. For your reference, these analyses have been assigned our service request number **E0900701**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided.
All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the NELAC 2003 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 2960. You may also contact me via email at KVerschoor@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Karen Verschoor
Project Manager

Page 1 of _____

Columbia Analytical Services INC

Certificate of Analysis

19408 Park Row, Suite 320, Houston, TX 77084
Phone (713)266-1599 Fax (713)266-0130
www.caslab.com

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COLUMBIA ANALYTICAL SERVICES, INC

Client:	Mitkem Laboratories	**Service Request No.:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Received:**	08/26/09
Sample Matrix:	Solid		

CASE NARRATIVE

All analyses were performed in adherence to the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier IV. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Four solid samples were received for analysis at Columbia Analytical Services on 08/26/09.

The samples were received at 0°C in good condition and are consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Data Validation Notes and Discussion

B flags – Method Blanks

The Method Blank EQ0900350-01 contained low levels of OCDD at or below the Method Reporting Limit (MRL).

The associated compounds in the samples are flagged with 'B' flags.

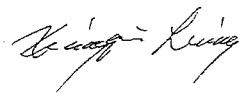
Y flags – Labeled Standards

Samples that had recoveries of labeled standards outside the acceptance limits are flagged with 'Y' flags. In all cases, the signal-to-noise ratios are greater than 10:1, making these data acceptable.

MS/DMS

EQ0800350: Laboratory Control Spike (LCS) sample was analyzed in addition to an MS/DMS for this extraction batch. The batch quality control criteria were met. The batch precision (MS/DMS) measurements were determined on another order in the extraction batch and are not included in this report

CAS-Houston follows the LCS acceptance criteria detailed in the EPA SOW DLM02.0, Section 12.2.5.3; which states, "Up to three compounds may fail to meet the recovery limits. However, frequent failures to meet the limits for recovery warrant investigation by the laboratory."

Approved by:  **Date:** 09/17/09

Xiangqiu Liang, Laboratory Director

C flags – 2378-TCDF Confirmation

Confirmation of the TCDF compound: When 2378-TCDF is detected on the DB-5 column, confirmation analyses are performed on a second column (DB-225.) The results from both the DB-5 column and the DB-225 column are included in this data package.

The valid result for the 2378-TCDF compound is reported from the confirmation column.

The confirmation results have been included on the TEQ summary pages.

MRL

Samples CD-P34-1-0-2' E, CD-P34-1-0-2' N, CD-P34-1-0-2' W and CD-P34-1-0-2' S required dilutions due to the presence of elevated levels of target analytes.

The undiluted and diluted results were combined into one Total TEQ summary report for each sample. This reports a 'Total' result that includes the most appropriate concentration found for the associated target analyte.

E flags

When OCDD and/or OCDF exceed the upper method calibration limit (MCL), Method 8290 Section 7.9.3 advises the chemist to "report the measured concentration and indicate that the value exceeds the MCL." We use 'E' flag on the Form 1 results to indicate a compound has exceeded the MCL.

K flags

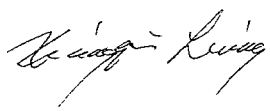
EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.

Detection Limits

Detection limits are calculated for each congener in each sample by measuring the height of the noise level for each quantitation ion for the associated labeled standard. The concentration equivalent to 2.5 times the height of the noise is then calculated using the appropriate response factor and the weight of the sample. The calculated concentration equals the detection limit.

The TEQ results for each sample have been calculated by CAS/Houston to include:

- EPA-89 TEFs ("Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and Dibenzofurans (CDDs and CDFs)", 1989 EPA Update (EPA/625/3-89/016, March 1989))
- 2378-TCDF from the DB-225 column, when confirmation required
- Non-detected compounds are not included in the 'Total'

Approved by:  **Date:** 09/17/09

Xiangqiu Liang, Laboratory Director

Client: Mitkem Laboratories **Service Request:** E0900701
Project: Dioxins/Furans by 8290/H1640

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
E0900701-001	CD-P34-1-0-2' E	8/24/09	10:00
E0900701-002	CD-P34-1-0-2' N	8/24/09	10:20
E0900701-003	CD-P34-1-0-2' W	8/24/09	10:45
E0900701-004	CD-P34-1-0-2' S	8/24/09	11:05

Superset Summary

Service Request: E0900701 **SuperSet Reference:** 09-0000119136 rev 00

8290/PCDD PCDF

Calibrations: 07/02/08 12/17/07

Data Files:

Raw Data	*Begin CCAL*	*Method Blank*	*Lab ID*
P104913	P104910	P104913	EQ0900350-01
P104914	P104910	P104913	E0900701-001.R02
P104915	P104910	P104913	E0900701-002.R02
P104916	P104910	P104913	E0900701-003.R02
P104917	P104910	P104913	E0900701-004.R02
P104922	P104910	P104913	EQ0900350-02
P104941	P104937	P104913	E0900701-001.R03
P104942	P104937	P104913	E0900701-002.R03
P104943	P104937	P104913	E0900701-003.R03
P104944	P104937	P104913	E0900701-004.R03
U132972	U132966	U132967	E0900701-001.R01
U132973	U132966	U132967	E0900701-002.R01
U132974	U132966	U132967	E0900701-003.R01
U132975	U132966	U132967	E0900701-004.R01
U132985	U132983	U132984	E0900701-001
U132986	U132983	U132984	E0900701-002
U132987	U132983	U132984	E0900701-003
U132988	U132983	U132984	E0900701-004

Laboratory Certifications
2009-2010

STATE/PROGRAM	AGENCY	CERTIFICATION ID	EXP DATE
ARIZONA	AZ-DHS	AZ0725	05/26/10
ARKANSAS	ADEQ	09-048-0	06/16/10
CALIFORNIA	CA-ELAP	2452	02/28/11
FLORIDA/NELAP	FL-DOHS	E87611	06/30/10
HAWAII	HI-DOH	N/A	06/30/10
ILLINOIS/NELAP	IL-EPA	002122	10/06/09
LOUISIANA/NELAP	LELAP	03048	06/30/10
MAINE	ME-DOHS	2008031	06/05/10
MICHIGAN	MIDEQ	9971	06/30/10
MINNESOTA	MDH	048-999-427	03/25/10
NEVADA	NDEP	TX014112009A	07/31/10
NEW JERSEY	NJDEP	TX008	06/30/10
NEW MEXICO	NMED-DWB	N/A	06/30/10
NEW YORK/NELAP	NY-DOH	11707	03/31/10
NFESC/NAVY	NFESC	N/A	01/09/10
OKLAHOMA	OKDEQ	2009-25	08/31/10
OREGON/NELAP	ORELAP	TX200002-006	03/24/10
TENNESSEE	TNDEC	04016	06/30/10
TEXAS/NELAP	TCEQ	T104704216-09-TX	06/30/10
UTAH/NELAP	UTELCP	COLU2	06/30/10
SOIL IMPORT PERMIT	USDA	P330-09-00067	03/27/12
WASHINGTON/NELAP	WA-Ecology	C1855	11/14/09
WEST VIRGINIA	WVDEP	347	06/30/10

Abbreviations, Acronyms & Definitions

Cal	Calibration
Conc	CONCentration
Dioxin(s)	Polychlorinated dibenzo-p-dioxin(s)
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
Flags	Data qualifiers
Furan(s)	Polychlorinated dibenzofuran(s)
g	Grams
ICAL	Initial CALibration
ID	IDentifier
Ions	Masses monitored for the analyte during data acquisition
L	Liter (s)
LCS	Laboratory Control Sample
DLCS	Duplicate Laboratory Control Sample
MB	Method Blank
MCL	Method Calibration Limit
MDL	Method Detection Limit
MRL	Method Reporting Limit
mL	Milliliters
MS	Matrix Spiked sample
DMS	Duplicate Matrix Spiked sample
NO	Number of peaks meeting all identification criteria
PCDD(s)	Polychlorinated dibenzo-p-dioxin(s)
PCDF(s)	Polychlorinated dibenzofuran(s)
ppb	Parts per billion
ppm	Parts per million
ppq	Parts per quadrillion
ppt	Parts per trillion
QA	Quality Assurance
QC	Quality Control
Ratio	Ratio of areas from monitored ions for an analyte
% Rec.	Percent Recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
S/N	Signal-to-Noise ratio
TEF	Toxicity Equivalence Factor
TEQ	Toxicity Equivalence Quotient

Data Qualifier Flags – Dioxin/Furans

- **B** Indicates the associated analyte is found in the method blank, as well as in the sample.

- **C** Confirmation of the TCDF compound: When 2378-TCDF is detected on the DB-5 column, confirmation analyses are performed on a second column (DB-225). The results from both the DB-5 column and the DB-225 column are included in this data package. The results from the DB-225 analyses should be used to evaluate the 2378-TCDF in the samples. The confirmed result should be used in determining the TEQ value for TCDF.

- **E** Indicates an estimated value – used when the analyte concentration exceeds the upper end of the linear calibration range.

- **J** Indicates an estimated value – used when the analyte concentration is below the method reporting limit (MRL) and above the estimated detection limit (EDL).

- **K** EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.

- **U** Indicates the compound was analyzed and not detected.

- **Y** Samples that had recoveries of labeled standards outside the acceptance limits are flagged with 'Y'. In all cases, the signal-to-noise ratios are greater than 10:1, making these data acceptable.

- **ND** Indicates concentration is reported as 'Not Detected.'

- **S** Peak is saturated; data not reportable.

- **P** Indicates chlorodiphenyl ether interference present at the retention time of the target compound.

- **Q** Lock-mass interference by chlorodiphenyl ether compounds.

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID: E0900701

First Level - Data Processing - to be filled by person generating the forms

Date	09/09/09	Person 1	XZ (-001, -002, -003, -004)
Date		Person 2	

Second Level - Data Review – to be filled by person doing peer review

Date	09/10/09	Primary Data Reviewer	SA
Date		Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	Reviewer

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID: E0900701

First Level - Data Processing - to be filled by person generating the forms

Date: 09/10/09	Person 1: [signature] (001L, 002L, 003L, 004L)	
Date:	Person 2:	

Second Level - Data Review – to be filled by person doing peer review

Date: 09/11/09	Primary Data Reviewer: [signature]	
Date:	Secondary Data Reviewer:	

Project Level - Review - to be filled by person doing project compliance review

Date:	Reviewer:

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID: E0900701 Confirmation

First Level - Data Processing - to be filled by person generating the forms

Date	09/12/09	Person 1	XX (-001DL, -002DL, -003DL, -004DL)
Date		Person 2	

Second Level - Data Review – to be filled by person doing peer review

Date	9/14/09	Primary Data Reviewer	DB
Date		Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	Reviewer

Columbia Analytical Services INC

Analytical Results

19408 Park Row, Suite 320, Houston, TX 77084
Phone (713)266-1599 Fax (713)266-0130
www.caslab.com

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1000
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' E	**Units:**	ng/Kg
Lab Code:	E0900701-001	**Basis:**	Dry
		Percent Solids:	64.6

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/6/09 1035
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.672g	**Instrument Name:**	E-HRMS-03
		GC Column:	db5
Data File Name:	P104914	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104910

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	**177**		0.350	1.33	0.73	1.000	1
1,2,3,7,8-PeCDD	**577**		5.36	3.32	1.65	1.001	1
1,2,3,4,7,8-HxCDD	**702**	E	1.94	3.32	1.25	0.998	1
1,2,3,6,7,8-HxCDD	**971**	E	1.59	3.32	1.27	1.000	1
1,2,3,7,8,9-HxCDD	**1940**	E	1.73	3.32	1.25	1.007	1
1,2,3,4,6,7,8-HpCDD	**7140**	E	2.50	3.32	0.97	1.000	1
OCDD	**12700**	BE	0.339	6.63	0.90	1.000	1
2,3,7,8-TCDF	**80600**	CEK	23.3	1.33	0.90	1.000	1
1,2,3,7,8-PeCDF	**39700**	E	24.0	3.32	1.48	1.000	1
2,3,4,7,8-PeCDF	**44300**	E	23.4	3.32	1.43	1.023	1
1,2,3,4,7,8-HxCDF	**85400**	E	21.4	3.32	1.08	1.000	1
1,2,3,6,7,8-HxCDF	**45900**	E	20.0	3.32	1.15	1.003	1
1,2,3,7,8,9-HxCDF	**1730**	E	24.6	3.32	1.38	1.036	1
2,3,4,6,7,8-HxCDF	**24500**	E	22.6	3.32	1.25	1.016	1
1,2,3,4,6,7,8-HpCDF	**43500**	E	7.97	3.32	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	**21000**	E	10.6	3.32	1.04	1.034	1
OCDF	**26600**	E	0.191	6.63	0.90	1.004	1
Total Tetra-Dioxins	**6950**		0.350	1.33	0.79		1
Total Penta-Dioxins	**4660**		5.36	3.32	1.67		1
Total Hexa-Dioxins	**13200**		1.59	3.32	1.26		1
Total Hepta-Dioxins	**14000**		2.50	3.32	1.04		1
Total Tetra-Furans	**476000**		23.3	1.33	0.77		1
Total Penta-Furans	**240000**		23.4	3.32	1.58		1
Total Hexa-Furans	**195000**		20.0	3.32	1.25		1
Total Hepta-Furans	**82900**		7.97	3.32	1.04		1

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1000
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' E	**Units:**	Percent
Lab Code:	E0900701-001	**Basis:**	Dry
		Percent Solids:	64.6

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/6/09 1035
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.672g	**Instrument Name:**	E-HRMS-03
		GC Column:	db5
Data File Name:	P104914	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104910

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	710.451	71		40-135	0.72	1.009
13C-1,2,3,7,8-PeCDD	1000	983.142	98		40-135	1.57	1.164
13C-1,2,3,6,7,8-HxCDD	2500	1642.499	66		40-135	1.26	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1731.717	69		40-135	1.05	1.068
13C-OCDD	5000	2859.679	57		40-135	0.90	1.149
13C-2,3,7,8-TCDF	1000	597.153	60		40-135	0.83	0.980
13C-1,2,3,7,8-PeCDF	1000	898.980	90		40-135	1.63	1.127
13C-1,2,3,4,7,8-HxCDF	2500	1549.846	62		40-135	0.54	0.972
13C-1,2,3,4,6,7,8-HpCDF	2500	1658.183	66		40-135	0.46	1.044
37Cl-2,3,7,8-TCDD	800	369.743	46		40-135	NA	1.009

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1000
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' E	**Units:**	ng/Kg
Lab Code:	E0900701-001	**Basis:**	Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	**177**	0.350	1	1	177
1,2,3,7,8-PeCDD	**577**	5.36	1	0.5	289
1,2,3,4,7,8-HxCDD	**702**	1.94	1	0.1	70.2
1,2,3,6,7,8-HxCDD	**981**	43.2	250	0.1	98.1
1,2,3,7,8,9-HxCDD	**1850**	47.2	250	0.1	185
1,2,3,4,6,7,8-HpCDD	**6100**	69.6	250	0.01	61.0
OCDD	**13300**	77.8	250	0.001	13.3
2,3,7,8-TCDF	**82300**	168	250	0.1	8230
1,2,3,7,8-PeCDF	**34100**	160	250	0.05	1710
2,3,4,7,8-PeCDF	**37300**	156	250	0.5	18700
1,2,3,4,7,8-HxCDF	**142000**	167	250	0.1	14200
1,2,3,6,7,8-HxCDF	**62500**	156	250	0.1	6250
1,2,3,7,8,9-HxCDF	**1730**	24.6	1	0.1	173
2,3,4,6,7,8-HxCDF	**25600**	177	250	0.1	2560
1,2,3,4,6,7,8-HpCDF	**45800**	81.5	250	0.01	458
1,2,3,4,7,8,9-HpCDF	**16100**	108	250	0.01	161
OCDF	**24600**	66.5	250	0.001	24.6
		Total TEQ			53400

EPA TEFs, ND = 0

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1000
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' E	**Units:**	ng/Kg
Lab Code:	E0900701-001	**Basis:**	Dry
Run Type:	Dilution	**Percent Solids:**	64.6

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/8/09 2052
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.672g	**Instrument Name:**	E-HRMS-03
		GC Column:	DB-5
Data File Name:	P104941	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104937

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	**200**	J	47.3	332	0.83	1.001	250
1,2,3,7,8-PeCDD	**391**	J	37.1	829	1.42	1.000	250
1,2,3,4,7,8-HxCDD	**592**	J	52.8	829	1.25	0.998	250
1,2,3,6,7,8-HxCDD	**981**		43.2	829	1.23	1.000	250
1,2,3,7,8,9-HxCDD	**1850**		47.2	829	1.36	1.007	250
1,2,3,4,6,7,8-HpCDD	**6100**		69.6	829	1.05	1.000	250
OCDD	**13300**	B	77.8	1660	0.87	1.000	250
2,3,7,8-TCDF	**139000**	CE	140	332	0.78	1.001	250
1,2,3,7,8-PeCDF	**34100**		160	829	1.62	1.000	250
2,3,4,7,8-PeCDF	**37300**		156	829	1.60	1.023	250
1,2,3,4,7,8-HxCDF	**142000**		167	829	1.25	1.000	250
1,2,3,6,7,8-HxCDF	**62500**		156	829	1.26	1.003	250
1,2,3,7,8,9-HxCDF	ND	U	192	829			250
2,3,4,6,7,8-HxCDF	**25600**		177	829	1.23	1.016	250
1,2,3,4,6,7,8-HpCDF	**45800**		81.5	829	1.07	1.000	250
1,2,3,4,7,8,9-HpCDF	**16100**		108	829	1.10	1.034	250
OCDF	**24600**		66.5	1660	0.87	1.004	250

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1000
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' E	**Units:**	Percent
Lab Code:	E0900701-001	**Basis:**	Dry
Run Type:	Dilution	**Percent Solids:**	64.6

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/8/09 2052
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.672g	**Instrument Name:**	E-HRMS-03
		GC Column:	DB-5
Data File Name:	P104941	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104937

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1410	915.287	65		40-135	0.79	1.007
13C-1,2,3,7,8-PeCDD	1020	1053.904	103		40-135	1.50	1.168
13C-1,2,3,6,7,8-HxCDD	3790	2306.377	61		40-135	1.26	0.992
13C-1,2,3,4,6,7,8-HpCDD	3620	2528.259	70		40-135	1.07	1.068
13C-OCDD	8770	4212.670	48		40-135	0.88	1.149
13C-2,3,7,8-TCDF	1670	1047.235	63		40-135	0.77	0.979
13C-1,2,3,7,8-PeCDF	1110	964.023	87		40-135	1.56	1.131
13C-1,2,3,4,7,8-HxCDF	4030	2250.547	56		40-135	0.52	0.972
13C-1,2,3,4,6,7,8-HpCDF	3790	2630.890	69		40-135	0.43	1.044
37Cl-2,3,7,8-TCDD	800	9.528	298	Y	40-135	NA	1.009

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1000
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' E	**Units:**	ng/Kg
Lab Code:	E0900701-001	**Basis:**	Dry
Run Type:	Reanalysis	**Percent Solids:**	64.6

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/8/09 1343
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.672g	**Instrument Name:**	E-HRMS-01
		GC Column:	DB-225
Data File Name:	U132972	**Blank File Name:**	U132967
ICAL Date:	12/17/07	**Cal Ver. File Name:**	U132966

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	**60400**	E	7.42	1.33	0.79	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	4261.204	426	Y	40-135	0.81	1.060

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1000
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' E	**Units:**	ng/Kg
Lab Code:	E0900701-001	**Basis:**	Dry
Run Type:	Dilution	**Percent Solids:**	64.6

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/9/09 1056
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.672g	**Instrument Name:**	E-HRMS-01
		GC Column:	DB-225
Data File Name:	U132985	**Blank File Name:**	U132984
ICAL Date:	12/17/07	**Cal Ver. File Name:**	U132983

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	**82300**		168	332	0.78	1.001	250

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1670	1053.572	63		40-135	0.78	1.060
37Cl-2,3,7,8-TCDD	800	7.363	230	Y	40-135	NA	0.986

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1020
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' N	**Units:**	ng/Kg
Lab Code:	E0900701-002	**Basis:**	Dry
		Percent Solids:	84.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/6/09 1123
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.581g	**Instrument Name:**	E-HRMS-03
		GC Column:	db5
Data File Name:	P104915	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104910

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	**27.6**		0.157	1.02	0.78	1.000	1
1,2,3,7,8-PeCDD	**28.2**	K	2.39	2.56	3.17	1.000	1
1,2,3,4,7,8-HxCDD	**48.0**		0.723	2.56	1.31	0.998	1
1,2,3,6,7,8-HxCDD	**82.2**		0.591	2.56	1.24	1.000	1
1,2,3,7,8,9-HxCDD	**103**		0.646	2.56	1.26	1.008	1
1,2,3,4,6,7,8-HpCDD	**570**	E	0.446	2.56	0.98	1.001	1
OCDD	**1440**	BE	0.386	5.12	0.89	1.000	1
2,3,7,8-TCDF	**15400**	CE	2.87	1.02	0.77	1.001	1
1,2,3,7,8-PeCDF	**7690**	E	4.11	2.56	1.58	1.000	1
2,3,4,7,8-PeCDF	**6260**	E	4.01	2.56	1.57	1.023	1
1,2,3,4,7,8-HxCDF	**35700**	E	3.67	2.56	1.26	1.000	1
1,2,3,6,7,8-HxCDF	**14100**	E	3.42	2.56	1.25	1.003	1
1,2,3,7,8,9-HxCDF	**525**	E	4.21	2.56	1.31	1.036	1
2,3,4,6,7,8-HxCDF	**2530**	E	3.87	2.56	1.12	1.016	1
1,2,3,4,6,7,8-HpCDF	**9740**	E	4.05	2.56	1.05	1.000	1
1,2,3,4,7,8,9-HpCDF	**8390**	E	5.35	2.56	1.03	1.034	1
OCDF	**8500**	E	0.209	5.12	0.90	1.004	1
Total Tetra-Dioxins	**355**		0.157	1.02	0.77		1
Total Penta-Dioxins	ND	U	2.39	2.56			1
Total Hexa-Dioxins	**1070**		0.591	2.56	1.21		1
Total Hepta-Dioxins	**1060**		0.446	2.56	1.03		1
Total Tetra-Furans	**62100**		2.87	1.02	0.77		1
Total Penta-Furans	**49800**		4.01	2.56	1.57		1
Total Hexa-Furans	**89000**		3.42	2.56	1.25		1
Total Hepta-Furans	**25700**		4.05	2.56	1.05		1

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1020
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' N	**Units:**	Percent
Lab Code:	E0900701-002	**Basis:**	Dry
		Percent Solids:	84.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/6/09 1123
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.581g	**Instrument Name:**	E-HRMS-03
		GC Column:	db5
Data File Name:	P104915	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104910

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	705.469	71		40-135	0.76	1.009
13C-1,2,3,7,8-PeCDD	1000	736.853	74		40-135	1.55	1.166
13C-1,2,3,6,7,8-HxCDD	2500	1087.643	44		40-135	1.26	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1597.933	64		40-135	1.06	1.068
13C-OCDD	5000	2762.475	55		40-135	0.89	1.149
13C-2,3,7,8-TCDF	1000	671.046	67		40-135	0.80	0.978
13C-1,2,3,7,8-PeCDF	1000	703.208	70		40-135	1.63	1.129
13C-1,2,3,4,7,8-HxCDF	2500	1150.264	46		40-135	0.53	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	1396.082	56		40-135	0.45	1.044
37Cl-2,3,7,8-TCDD	800	609.873	76		40-135	NA	1.009

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1020
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' N	**Units:**	ng/Kg
Lab Code:	E0900701-002	**Basis:**	Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	**27.6**	0.157	1	1	27.6
1,2,3,7,8-PeCDD	**28.2**	2.39	1	0.5	14.1
1,2,3,4,7,8-HxCDD	**48.0**	0.723	1	0.1	4.80
1,2,3,6,7,8-HxCDD	**82.2**	0.591	1	0.1	8.22
1,2,3,7,8,9-HxCDD	**103**	0.646	1	0.1	10.3
1,2,3,4,6,7,8-HpCDD	**534**	25.6	150	0.01	5.34
OCDD	**1630**	30.8	150	0.001	1.63
2,3,7,8-TCDF	**8080**	55.1	150	0.1	808
1,2,3,7,8-PeCDF	**6260**	37.6	150	0.05	313
2,3,4,7,8-PeCDF	**4790**	36.7	150	0.5	2400
1,2,3,4,7,8-HxCDF	**35100**	82.0	150	0.1	3510
1,2,3,6,7,8-HxCDF	**16300**	76.5	150	0.1	1630
1,2,3,7,8,9-HxCDF	**525**	4.21	1	0.1	52.5
2,3,4,6,7,8-HxCDF	**6920**	86.7	150	0.1	692
1,2,3,4,6,7,8-HpCDF	**8360**	16.2	150	0.01	83.6
1,2,3,4,7,8,9-HpCDF	**6400**	21.4	150	0.01	64.0
OCDF	**8030**	34.0	150	0.001	8.03
		Total TEQ			9630

EPA TEFs, ND = 0

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1020
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' N	**Units:**	ng/Kg
Lab Code:	E0900701-002	**Basis:**	Dry
Run Type:	Dilution	**Percent Solids:**	84.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/8/09 2139
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.581g	**Instrument Name:**	E-HRMS-03
		GC Column:	DB-5
Data File Name:	P104942	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104937

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	25.6	154			150
1,2,3,7,8-PeCDD	ND	U	37.5	384			150
1,2,3,4,7,8-HxCDD	ND	U	38.8	384			150
1,2,3,6,7,8-HxCDD	ND	U	31.7	384			150
1,2,3,7,8,9-HxCDD	**196**	J	34.7	384	1.33	1.008	150
1,2,3,4,6,7,8-HpCDD	**534**		25.6	384	1.06	1.000	150
OCDD	**1630**	B	30.8	768	0.82	1.000	150
2,3,7,8-TCDF	**11200**	C	44.4	154	0.79	1.001	150
1,2,3,7,8-PeCDF	**6260**		37.6	384	1.55	1.000	150
2,3,4,7,8-PeCDF	**4790**		36.7	384	1.52	1.023	150
1,2,3,4,7,8-HxCDF	**35100**		82.0	384	1.26	1.000	150
1,2,3,6,7,8-HxCDF	**16300**		76.5	384	1.26	1.003	150
1,2,3,7,8,9-HxCDF	ND	U	94.2	384			150
2,3,4,6,7,8-HxCDF	**6920**		86.7	384	1.26	1.016	150
1,2,3,4,6,7,8-HpCDF	**8360**		16.2	384	1.05	1.000	150
1,2,3,4,7,8,9-HpCDF	**6400**		21.4	384	1.07	1.034	150
OCDF	**8030**		34.0	768	0.91	1.004	150

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1020
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' N	**Units:**	Percent
Lab Code:	E0900701-002	**Basis:**	Dry
Run Type:	Dilution	**Percent Solids:**	84.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/8/09 2139
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.581g	**Instrument Name:**	E-HRMS-03
		GC Column:	DB-5
Data File Name:	P104942	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104937

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1410	933.860	66		40-135	0.78	1.007
13C-1,2,3,7,8-PeCDD	1350	1061.115	79		40-135	1.57	1.168
13C-1,2,3,6,7,8-HxCDD	5680	2401.671	42		40-135	1.25	0.992
13C-1,2,3,4,6,7,8-HpCDD	3910	2702.577	69		40-135	1.02	1.068
13C-OCDD	9090	4673.045	51		40-135	0.87	1.149
13C-2,3,7,8-TCDF	1490	1035.538	69		40-135	0.75	0.979
13C-1,2,3,7,8-PeCDF	1430	967.886	68		40-135	1.51	1.131
13C-1,2,3,4,7,8-HxCDF	5430	2352.375	43		40-135	0.51	0.971
13C-1,2,3,4,6,7,8-HpCDF	4460	2828.472	63		40-135	0.43	1.044
37Cl-2,3,7,8-TCDD	800	3.609	68		40-135	NA	1.009

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1020
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' N	**Units:**	ng/Kg
Lab Code:	E0900701-002	**Basis:**	Dry
Run Type:	Reanalysis	**Percent Solids:**	84.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/8/09 1420
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.581g	**Instrument Name:**	E-HRMS-01
		GC Column:	DB-225
Data File Name:	U132973	**Blank File Name:**	U132967
ICAL Date:	12/17/07	**Cal Ver. File Name:**	U132966

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	**10500**	E	3.89	1.02	0.79	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	898.780	90		40-135	0.79	1.058

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1020
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' N	**Units:**	ng/Kg
Lab Code:	E0900701-002	**Basis:**	Dry
Run Type:	Dilution	**Percent Solids:**	84.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/9/09 1133
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.581g	**Instrument Name:**	E-HRMS-01
		GC Column:	DB-225
Data File Name:	U132986	**Blank File Name:**	U132984
ICAL Date:	12/17/07	**Cal Ver. File Name:**	U132983

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	**8080**		55.1	154	0.78	1.001	150

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1490	1015.308	68		40-135	0.78	1.059
37Cl-2,3,7,8-TCDD	800	5.378	101		40-135	NA	0.984

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1045
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' W	**Units:**	ng/Kg
Lab Code:	E0900701-003	**Basis:**	Dry
		Percent Solids:	77.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/6/09 1210
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.065g	**Instrument Name:**	E-HRMS-03
		GC Column:	db5
Data File Name:	P104916	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104910

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	**6.95**		0.0921	1.16	0.77	1.001	1
1,2,3,7,8-PeCDD	**13.1**	K	0.431	2.91	1.93	1.001	1
1,2,3,4,7,8-HxCDD	**13.2**		0.238	2.91	1.31	0.998	1
1,2,3,6,7,8-HxCDD	**30.0**		0.195	2.91	1.27	1.000	1
1,2,3,7,8,9-HxCDD	**23.7**		0.213	2.91	1.36	1.008	1
1,2,3,4,6,7,8-HpCDD	**255**		0.297	2.91	1.03	1.000	1
OCDD	**1000**	B	0.211	5.82	0.90	1.000	1
2,3,7,8-TCDF	**5170**	CE	0.787	1.16	0.78	1.001	1
1,2,3,7,8-PeCDF	**1270**	E	2.16	2.91	1.59	1.001	1
2,3,4,7,8-PeCDF	**1540**	E	2.10	2.91	1.58	1.023	1
1,2,3,4,7,8-HxCDF	**3960**	E	0.552	2.91	1.25	1.000	1
1,2,3,6,7,8-HxCDF	**1710**	E	0.515	2.91	1.26	1.003	1
1,2,3,7,8,9-HxCDF	**34.3**		0.634	2.91	1.30	1.036	1
2,3,4,6,7,8-HxCDF	**682**	E	0.583	2.91	1.26	1.016	1
1,2,3,4,6,7,8-HpCDF	**1630**	E	1.74	2.91	1.05	1.000	1
1,2,3,4,7,8,9-HpCDF	**484**		2.30	2.91	1.04	1.034	1
OCDF	**961**		0.173	5.82	0.89	1.004	1
Total Tetra-Dioxins	**224**		0.0921	1.16	0.78		1
Total Penta-Dioxins	**62.4**		0.431	2.91	1.41		1
Total Hexa-Dioxins	**407**		0.195	2.91	1.25		1
Total Hepta-Dioxins	**508**		0.297	2.91	1.05		1
Total Tetra-Furans	**22900**		0.787	1.16	0.77		1
Total Penta-Furans	**14000**		2.10	2.91	1.58		1
Total Hexa-Furans	**11400**		0.515	2.91	1.23		1
Total Hepta-Furans	**2850**		1.74	2.91	1.05		1

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1045
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' W	**Units:**	Percent
Lab Code:	E0900701-003	**Basis:**	Dry
		Percent Solids:	77.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/6/09 1210
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.065g	**Instrument Name:**	E-HRMS-03
		GC Column:	db5
Data File Name:	P104916	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104910

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	835.548	84		40-135	0.78	1.008
13C-1,2,3,7,8-PeCDD	1000	933.825	93		40-135	1.61	1.168
13C-1,2,3,6,7,8-HxCDD	2500	1951.173	78		40-135	1.27	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	2025.198	81		40-135	1.05	1.068
13C-OCDD	5000	3401.303	68		40-135	0.91	1.150
13C-2,3,7,8-TCDF	1000	907.099	91		40-135	0.79	0.979
13C-1,2,3,7,8-PeCDF	1000	894.056	89		40-135	1.57	1.130
13C-1,2,3,4,7,8-HxCDF	2500	1975.504	79		40-135	0.53	0.971
13C-1,2,3,4,6,7,8-HpCDF	2500	2330.166	93		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	765.689	96		40-135	NA	1.009

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1045
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' W	**Units:**	ng/Kg
Lab Code:	E0900701-003	**Basis:**	Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	**6.95**	0.0921	1	1	6.95
1,2,3,7,8-PeCDD	**13.1**	0.431	1	0.5	6.55
1,2,3,4,7,8-HxCDD	**13.2**	0.238	1	0.1	1.32
1,2,3,6,7,8-HxCDD	**30.0**	0.195	1	0.1	3.00
1,2,3,7,8,9-HxCDD	**23.7**	0.213	1	0.1	2.37
1,2,3,4,6,7,8-HpCDD	**255**	0.297	1	0.01	2.55
OCDD	**1000**	0.211	1	0.001	1.00
2,3,7,8-TCDF	**2110**	5.10	15	0.1	211
1,2,3,7,8-PeCDF	**805**	4.89	15	0.05	40.3
2,3,4,7,8-PeCDF	**951**	4.77	15	0.5	476
1,2,3,4,7,8-HxCDF	**3030**	7.04	15	0.1	303
1,2,3,6,7,8-HxCDF	**1480**	6.57	15	0.1	148
1,2,3,7,8,9-HxCDF	**34.3**	0.634	1	0.1	3.43
2,3,4,6,7,8-HxCDF	**475**	7.44	15	0.1	47.5
1,2,3,4,6,7,8-HpCDF	**1090**	1.07	15	0.01	10.9
1,2,3,4,7,8,9-HpCDF	**484**	2.30	1	0.01	4.84
OCDF	**961**	0.173	1	0.001	0.961
		Total TEQ			1270

EPA TEFs, ND = 0

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1045
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' W	**Units:**	ng/Kg
Lab Code:	E0900701-003	**Basis:**	Dry
Run Type:	Dilution	**Percent Solids:**	77.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/8/09 2227
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.065g	**Instrument Name:**	E-HRMS-03
		GC Column:	DB-5
Data File Name:	P104943	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104937

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	3.63	17.4			15
1,2,3,7,8-PeCDD	**10.2**	J	2.34	43.6	1.49	1.000	15
1,2,3,4,7,8-HxCDD	**12.1**	J	2.85	43.6	1.15	0.998	15
1,2,3,6,7,8-HxCDD	**22.4**	J	2.34	43.6	1.32	1.000	15
1,2,3,7,8,9-HxCDD	**36.1**	J	2.55	43.6	1.22	1.008	15
1,2,3,4,6,7,8-HpCDD	**177**		2.12	43.6	0.95	1.000	15
OCDD	**855**	B	3.16	87.2	0.89	1.000	15
2,3,7,8-TCDF	**2980**	C	4.59	17.4	0.76	1.001	15
1,2,3,7,8-PeCDF	**805**		4.89	43.6	1.60	1.000	15
2,3,4,7,8-PeCDF	**951**		4.77	43.6	1.60	1.023	15
1,2,3,4,7,8-HxCDF	**3030**		7.04	43.6	1.27	1.000	15
1,2,3,6,7,8-HxCDF	**1480**		6.57	43.6	1.31	1.004	15
1,2,3,7,8,9-HxCDF	ND	U	8.09	43.6			15
2,3,4,6,7,8-HxCDF	**475**		7.44	43.6	1.24	1.017	15
1,2,3,4,6,7,8-HpCDF	**1090**		1.07	43.6	1.05	1.000	15
1,2,3,4,7,8,9-HpCDF	**316**		1.42	43.6	1.01	1.034	15
OCDF	**753**		3.25	87.2	0.93	1.004	15

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1045
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' W	**Units:**	Percent
Lab Code:	E0900701-003	**Basis:**	Dry
Run Type:	Dilution	**Percent Solids:**	77.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/8/09 2227
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.065g	**Instrument Name:**	E-HRMS-03
		GC Column:	DB-5
Data File Name:	P104943	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104937

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1190	976.600	82		40-135	0.79	1.007
13C-1,2,3,7,8-PeCDD	1080	1111.370	103		40-135	1.55	1.168
13C-1,2,3,6,7,8-HxCDD	3210	2449.998	76		40-135	1.26	0.992
13C-1,2,3,4,6,7,8-HpCDD	3090	2847.215	92		40-135	1.05	1.068
13C-OCDD	7350	5003.784	68		40-135	0.89	1.149
13C-2,3,7,8-TCDF	1100	1091.936	99		40-135	0.77	0.979
13C-1,2,3,7,8-PeCDF	1120	1003.688	89		40-135	1.57	1.131
13C-1,2,3,4,7,8-HxCDF	3160	2376.101	75		40-135	0.52	0.971
13C-1,2,3,4,6,7,8-HpCDF	2690	2987.819	111		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	30.240	57		40-135	NA	1.009

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1045
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' W	**Units:**	ng/Kg
Lab Code:	E0900701-003	**Basis:**	Dry
Run Type:	Reanalysis	**Percent Solids:**	77.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/8/09 1458
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.065g	**Instrument Name:**	E-HRMS-01
		GC Column:	DB-225
Data File Name:	U132974	**Blank File Name:**	U132967
ICAL Date:	12/17/07	**Cal Ver. File Name:**	U132966

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	**3550**	E	2.44	1.16	0.79	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	956.797	96		40-135	0.78	1.058
37Cl-2,3,7,8-TCDD	800	777.953	97		40-135	NA	0.985

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1045
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' W	**Units:**	ng/Kg
Lab Code:	E0900701-003	**Basis:**	Dry
Run Type:	Dilution	**Percent Solids:**	77.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/9/09 1210
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.065g	**Instrument Name:**	E-HRMS-01
		GC Column:	DB-225
Data File Name:	U132987	**Blank File Name:**	U132984
ICAL Date:	12/17/07	**Cal Ver. File Name:**	U132983

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	**2110**		5.10	17.4	0.78	1.001	15

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1100	1051.908	96		40-135	0.79	1.059
37Cl-2,3,7,8-TCDD	800	45.505	85		40-135	NA	0.985

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1105
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' S	**Units:**	ng/Kg
Lab Code:	E0900701-004	**Basis:**	Dry
		Percent Solids:	71.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/6/09 1258
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.205g	**Instrument Name:**	E-HRMS-03
		GC Column:	db5
Data File Name:	P104917	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104910

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	**99.1**		0.226	1.25	0.79	1.001	1
1,2,3,7,8-PeCDD	**280**		2.31	3.12	1.66	1.000	1
1,2,3,4,7,8-HxCDD	**260**		1.21	3.12	1.32	0.998	1
1,2,3,6,7,8-HxCDD	**355**		0.986	3.12	1.30	1.000	1
1,2,3,7,8,9-HxCDD	**309**		1.08	3.12	1.33	1.007	1
1,2,3,4,6,7,8-HpCDD	**2610**	E	0.889	3.12	1.04	1.000	1
OCDD	**19200**	BE	0.379	6.25	0.90	1.000	1
2,3,7,8-TCDF	**24800**	CE	2.32	1.25	0.79	1.001	1
1,2,3,7,8-PeCDF	**11200**	E	14.8	3.12	1.57	1.001	1
2,3,4,7,8-PeCDF	**11700**	E	14.4	3.12	1.57	1.023	1
1,2,3,4,7,8-HxCDF	**52400**	E	5.78	3.12	1.20	1.000	1
1,2,3,6,7,8-HxCDF	**21200**	E	5.39	3.12	1.27	1.003	1
1,2,3,7,8,9-HxCDF	**1040**	E	6.64	3.12	1.21	1.036	1
2,3,4,6,7,8-HxCDF	**3480**	E	6.11	3.12	1.26	1.016	1
1,2,3,4,6,7,8-HpCDF	**18200**	E	10.3	3.12	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	**16300**	E	13.6	3.12	1.05	1.034	1
OCDF	**6450**	E	0.254	6.25	0.89	1.004	1
Total Tetra-Dioxins	**2860**		0.226	1.25	0.78		1
Total Penta-Dioxins	**2260**		2.31	3.12	1.44		1
Total Hexa-Dioxins	**4990**		0.986	3.12	1.27		1
Total Hepta-Dioxins	**5550**		0.889	3.12	1.05		1
Total Tetra-Furans	**160000**		2.32	1.25	0.79		1
Total Penta-Furans	**56900**		14.4	3.12	1.58		1
Total Hexa-Furans	**158000**		5.39	3.12	1.26		1
Total Hepta-Furans	**51900**		10.3	3.12	1.04		1

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1105
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' S	**Units:**	Percent
Lab Code:	E0900701-004	**Basis:**	Dry
		Percent Solids:	71.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/6/09 1258
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.205g	**Instrument Name:**	E-HRMS-03
		GC Column:	db5
Data File Name:	P104917	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104910

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	782.232	78		40-135	0.75	1.007
13C-1,2,3,7,8-PeCDD	1000	853.515	85		40-135	1.57	1.166
13C-1,2,3,6,7,8-HxCDD	2500	2169.082	87		40-135	1.28	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	2264.104	91		40-135	1.06	1.068
13C-OCDD	5000	3496.820	70		40-135	0.89	1.150
13C-2,3,7,8-TCDF	1000	652.773	65		40-135	0.80	0.978
13C-1,2,3,7,8-PeCDF	1000	815.181	82		40-135	1.59	1.128
13C-1,2,3,4,7,8-HxCDF	2500	2198.219	88		40-135	0.53	0.972
13C-1,2,3,4,6,7,8-HpCDF	2500	2017.281	81		40-135	0.45	1.044
37Cl-2,3,7,8-TCDD	800	764.008	96		40-135	NA	1.009

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1105
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' S	**Units:**	ng/Kg
Lab Code:	E0900701-004	**Basis:**	Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	**99.1**	0.226	1	1	99.1
1,2,3,7,8-PeCDD	**280**	2.31	1	0.5	140
1,2,3,4,7,8-HxCDD	**260**	1.21	1	0.1	26.0
1,2,3,6,7,8-HxCDD	**355**	0.986	1	0.1	35.5
1,2,3,7,8,9-HxCDD	**309**	1.08	1	0.1	30.9
1,2,3,4,6,7,8-HpCDD	**1540**	31.9	150	0.01	15.4
OCDD	**14500**	36.9	150	0.001	14.5
2,3,7,8-TCDF	**12400**	42.4	150	0.1	1240
1,2,3,7,8-PeCDF	**8290**	67.5	150	0.05	415
2,3,4,7,8-PeCDF	**8430**	65.8	150	0.5	4220
1,2,3,4,7,8-HxCDF	**43000**	117	150	0.1	4300
1,2,3,6,7,8-HxCDF	**17800**	109	150	0.1	1780
1,2,3,7,8,9-HxCDF	**1040**	6.64	1	0.1	104
2,3,4,6,7,8-HxCDF	**8440**	124	150	0.1	844
1,2,3,4,6,7,8-HpCDF	**12800**	17.9	150	0.01	128
1,2,3,4,7,8,9-HpCDF	**7850**	23.6	150	0.01	78.5
OCDF	**3830**	30.4	150	0.001	3.83
		Total TEQ			13500

EPA TEFs, ND = 0

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1105
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' S	**Units:**	ng/Kg
Lab Code:	E0900701-004	**Basis:**	Dry
Run Type:	Dilution	**Percent Solids:**	71.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/8/09 2314
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.205g	**Instrument Name:**	E-HRMS-03
		GC Column:	DB-5
Data File Name:	P104944	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104937

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	**81.4**	J	26.8	187	0.85	1.001	150
1,2,3,7,8-PeCDD	**183**	J	25.1	469	1.59	1.001	150
1,2,3,4,7,8-HxCDD	**154**	J	26.9	469	1.12	0.998	150
1,2,3,6,7,8-HxCDD	**227**	J	22.1	469	1.33	1.000	150
1,2,3,7,8,9-HxCDD	**204**	J	24.1	469	1.06	1.009	150
1,2,3,4,6,7,8-HpCDD	**1540**		31.9	469	1.02	1.000	150
OCDD	**14500**	B	36.9	937	0.88	1.000	150
2,3,7,8-TCDF	**19800**	C	37.5	187	0.77	1.001	150
1,2,3,7,8-PeCDF	**8290**		67.5	469	1.50	1.001	150
2,3,4,7,8-PeCDF	**8430**		65.8	469	1.56	1.023	150
1,2,3,4,7,8-HxCDF	**43000**		117	469	1.23	1.000	150
1,2,3,6,7,8-HxCDF	**17800**		109	469	1.23	1.003	150
1,2,3,7,8,9-HxCDF	ND	U	134	469			150
2,3,4,6,7,8-HxCDF	**8440**		124	469	1.27	1.016	150
1,2,3,4,6,7,8-HpCDF	**12800**		17.9	469	1.06	1.000	150
1,2,3,4,7,8,9-HpCDF	**7850**		23.6	469	1.06	1.034	150
OCDF	**3830**		30.4	937	0.93	1.004	150

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1105
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' S	**Units:**	Percent
Lab Code:	E0900701-004	**Basis:**	Dry
Run Type:	Dilution	**Percent Solids:**	71.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/8/09 2314
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.205g	**Instrument Name:**	E-HRMS-03
		GC Column:	DB-5
Data File Name:	P104944	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104937

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1280	915.142	71		40-135	0.76	1.008
13C-1,2,3,7,8-PeCDD	1180	1130.386	96		40-135	1.60	1.168
13C-1,2,3,6,7,8-HxCDD	2870	2439.936	85		40-135	1.27	0.992
13C-1,2,3,4,6,7,8-HpCDD	2750	2785.255	101		40-135	1.05	1.068
13C-OCDD	7140	4747.500	66		40-135	0.87	1.149
13C-2,3,7,8-TCDF	1540	1026.123	67		40-135	0.78	0.979
13C-1,2,3,7,8-PeCDF	1220	949.757	78		40-135	1.54	1.131
13C-1,2,3,4,7,8-HxCDF	2840	2384.086	84		40-135	0.52	0.971
13C-1,2,3,4,6,7,8-HpCDF	3090	2937.930	95		40-135	0.43	1.044
37Cl-2,3,7,8-TCDD	800	3.477	65		40-135	NA	1.008

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1105
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' S	**Units:**	ng/Kg
Lab Code:	E0900701-004	**Basis:**	Dry
Run Type:	Reanalysis	**Percent Solids:**	71.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/8/09 1540
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.205g	**Instrument Name:**	E-HRMS-01
		GC Column:	DB-225
Data File Name:	U132975	**Blank File Name:**	U132967
ICAL Date:	12/17/07	**Cal Ver. File Name:**	U132966

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	**12100**	E	9.53	1.25	0.78	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1000	888.369	89		40-135	0.78	1.057
37Cl-2,3,7,8-TCDD	800	359.607	45		40-135	NA	0.987

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	8/24/09 1105
Sample Matrix:	Soil	**Date Received:**	8/26/09
Sample Name:	CD-P34-1-0-2' S	**Units:**	ng/Kg
Lab Code:	E0900701-004	**Basis:**	Dry
Run Type:	Dilution	**Percent Solids:**	71.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/9/09 1247
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	11.205g	**Instrument Name:**	E-HRMS-01
		GC Column:	DB-225
Data File Name:	U132988	**Blank File Name:**	U132984
ICAL Date:	12/17/07	**Cal Ver. File Name:**	U132983

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	**12400**		42.4	187	0.79	1.001	150

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	1540	1103.058	72		40-135	0.77	1.059
37Cl-2,3,7,8-TCDD	800	4.861	91		40-135	NA	0.985

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ng/Kg
Lab Code:	EQ0900350-01	**Basis:**	Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/6/09 0949
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	10.000g	**Instrument Name:**	E-HRMS-03
		GC Column:	db5
Data File Name:	P104913	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104910

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.104	1.00			1
1,2,3,7,8-PeCDD	ND	U	0.126	2.50			1
1,2,3,4,7,8-HxCDD	ND	U	0.116	2.50			1
1,2,3,6,7,8-HxCDD	ND	U	0.0948	2.50			1
1,2,3,7,8,9-HxCDD	ND	U	0.104	2.50			1
1,2,3,4,6,7,8-HpCDD	ND	U	0.115	2.50			1
OCDD	**1.06**	J	0.168	5.00	0.80	1.000	1
2,3,7,8-TCDF	ND	U	0.0992	1.00			1
1,2,3,7,8-PeCDF	ND	U	0.0882	2.50			1
2,3,4,7,8-PeCDF	ND	U	0.0862	2.50			1
1,2,3,4,7,8-HxCDF	ND	U	0.0511	2.50			1
1,2,3,6,7,8-HxCDF	ND	U	0.0476	2.50			1
1,2,3,7,8,9-HxCDF	ND	U	0.0586	2.50			1
2,3,4,6,7,8-HxCDF	ND	U	0.0540	2.50			1
1,2,3,4,6,7,8-HpCDF	ND	U	0.0724	2.50			1
1,2,3,4,7,8,9-HpCDF	ND	U	0.0956	2.50			1
OCDF	ND	U	0.150	5.00			1
Total Tetra-Dioxins	ND	U	0.104	1.00			1
Total Penta-Dioxins	ND	U	0.126	2.50			1
Total Hexa-Dioxins	ND	U	0.0948	2.50			1
Total Hepta-Dioxins	ND	U	0.115	2.50			1
Total Tetra-Furans	ND	U	0.0992	1.00			1
Total Penta-Furans	ND	U	0.0862	2.50			1
Total Hexa-Furans	ND	U	0.0476	2.50			1
Total Hepta-Furans	ND	U	0.0724	2.50			1

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	Percent
Lab Code:	EQ0900350-01	**Basis:**	Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/6/09 0949
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	10.000g	**Instrument Name:**	E-HRMS-03
		GC Column:	db5
Data File Name:	P104913	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104910

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	609.005	61		40-135	0.78	1.008
13C-1,2,3,7,8-PeCDD	1000	759.045	76		40-135	1.56	1.168
13C-1,2,3,6,7,8-HxCDD	2500	1774.147	71		40-135	1.26	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1764.305	71		40-135	1.07	1.068
13C-OCDD	5000	2467.583	49		40-135	0.88	1.149
13C-2,3,7,8-TCDF	1000	685.408	69		40-135	0.79	0.979
13C-1,2,3,7,8-PeCDF	1000	658.067	66		40-135	1.59	1.131
13C-1,2,3,4,7,8-HxCDF	2500	1796.945	72		40-135	0.50	0.972
13C-1,2,3,4,6,7,8-HpCDF	2500	1870.088	75		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	616.929	77		40-135	NA	1.009

Comments:

Columbia Analytical Services INC

Accuracy and Precision

19408 Park Row, Suite 320, Houston, TX 77084
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www.caslab.com

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Client: Mitkem a Division of Spectrum Analytical
Project: Dioxins/Furans by 8290/H1640
Sample Matrix: Soil

Service Request: E0900701
Date Analyzed: 9/ 6/09

Lab Control Sample Summary
Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Units: ng/Kg
Basis: Dry

Extraction Lot: 94818

Analyte Name	Lab Control Sample EQ0900350-02 Result	Expected	% Rec		% Rec Limits
2,3,7,8-TCDD	**20.3**	20.0	101		79 - 128
1,2,3,7,8-PeCDD	**44.9**	50.0	90		78 - 126
1,2,3,4,7,8-HxCDD	**46.4**	50.0	93		71 - 130
1,2,3,6,7,8-HxCDD	**50.4**	50.0	101		80 - 128
1,2,3,7,8,9-HxCDD	**51.3**	50.0	103		70 - 130
1,2,3,4,6,7,8-HpCDD	**45.3**	50.0	91		70 - 130
OCDD	**96.5**	100	96		80 - 130
2,3,7,8-TCDF	**20.7**	20.0	104		73 - 126
1,2,3,7,8-PeCDF	**48.3**	50.0	97		71 - 130
2,3,4,7,8-PeCDF	**49.6**	50.0	99		72 - 121
1,2,3,4,7,8-HxCDF	**48.5**	50.0	97		74 - 129
1,2,3,6,7,8-HxCDF	**51.0**	50.0	102		73 - 128
1,2,3,7,8,9-HxCDF	**39.7**	50.0	79		70 - 130
2,3,4,6,7,8-HxCDF	**45.0**	50.0	90		71 - 125
1,2,3,4,6,7,8-HpCDF	**38.5**	50.0	77		70 - 130
1,2,3,4,7,8,9-HpCDF	**37.4**	50.0	75	*	78 - 130
OCDF	**83.6**	100	84		70 - 130

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Lab Control Sample	**Units:**	ng/Kg
Lab Code:	EQ0900350-02	**Basis:**	Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/6/09 1656
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	10.000g	**Instrument Name:**	E-HRMS-03
		GC Column:	db5
Data File Name:	P104922	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104910

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	**20.3**		0.119	1.00	0.80	1.001	1
1,2,3,7,8-PeCDD	**44.9**		0.116	2.50	1.58	1.000	1
1,2,3,4,7,8-HxCDD	**46.4**		0.105	2.50	1.27	0.998	1
1,2,3,6,7,8-HxCDD	**50.4**		0.0854	2.50	1.30	1.000	1
1,2,3,7,8,9-HxCDD	**51.3**		0.0935	2.50	1.28	1.008	1
1,2,3,4,6,7,8-HpCDD	**45.3**		0.112	2.50	1.06	1.000	1
OCDD	**96.5**		0.177	5.00	0.91	1.000	1
2,3,7,8-TCDF	**20.7**		0.184	1.00	0.77	1.001	1
1,2,3,7,8-PeCDF	**48.3**		0.109	2.50	1.56	1.001	1
2,3,4,7,8-PeCDF	**49.6**		0.107	2.50	1.64	1.023	1
1,2,3,4,7,8-HxCDF	**48.5**		0.122	2.50	1.24	1.000	1
1,2,3,6,7,8-HxCDF	**51.0**		0.114	2.50	1.25	1.003	1
1,2,3,7,8,9-HxCDF	**39.7**		0.140	2.50	1.26	1.036	1
2,3,4,6,7,8-HxCDF	**45.0**		0.129	2.50	1.25	1.016	1
1,2,3,4,6,7,8-HpCDF	**38.5**		0.105	2.50	1.05	1.000	1
1,2,3,4,7,8,9-HpCDF	**37.4**		0.138	2.50	1.06	1.034	1
OCDF	**83.6**		0.145	5.00	0.89	1.004	1
Total Tetra-Dioxins	**20.3**		0.119	1.00	0.80		1
Total Penta-Dioxins	**44.9**		0.116	2.50	1.58		1
Total Hexa-Dioxins	**148**		0.0854	2.50	1.27		1
Total Hepta-Dioxins	**45.7**		0.112	2.50	1.13		1
Total Tetra-Furans	**23.6**		0.184	1.00	0.76		1
Total Penta-Furans	**101**		0.107	2.50	1.42		1
Total Hexa-Furans	**186**		0.114	2.50	1.09		1
Total Hepta-Furans	**76.3**		0.105	2.50	1.05		1

Comments:

Client:	Mitkem a Division of Spectrum Analytical	**Service Request:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Lab Control Sample	**Units:**	Percent
Lab Code:	EQ0900350-02	**Basis:**	Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method:	8290	**Date Analyzed:**	9/6/09 1656
Prep Method:	Method	**Date Extracted:**	9/1/09
Sample Amount:	10.000g	**Instrument Name:**	E-HRMS-03
		GC Column:	db5
Data File Name:	P104922	**Blank File Name:**	P104913
ICAL Date:	07/02/08	**Cal Ver. File Name:**	P104910

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	1000	481.936	48		40-135	0.79	1.009
13C-1,2,3,7,8-PeCDD	1000	549.952	55		40-135	1.56	1.169
13C-1,2,3,6,7,8-HxCDD	2500	1289.963	52		40-135	1.26	0.992
13C-1,2,3,4,6,7,8-HpCDD	2500	1367.522	55		40-135	1.06	1.068
13C-OCDD	5000	2286.598	46		40-135	0.90	1.150
13C-2,3,7,8-TCDF	1000	493.567	49		40-135	0.79	0.979
13C-1,2,3,7,8-PeCDF	1000	501.149	50		40-135	1.56	1.131
13C-1,2,3,4,7,8-HxCDF	2500	1335.402	53		40-135	0.52	0.972
13C-1,2,3,4,6,7,8-HpCDF	2500	1488.677	60		40-135	0.44	1.044
37Cl-2,3,7,8-TCDD	800	498.277	62		40-135	NA	1.009

Comments:

Columbia Analytical Services™

Chain of Custody

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CHAIN-OF-CUSTODY RECORD

WorkOrder : H1640
Report Type : LEVEL 4
Due Date : 9/8/2009
FAX Due Date : 8/28/2009
Report To : Shirley S Ng
Purchase Order : H1640
EDD Type : SEVENSON_XLS

Subcontractor:
Columbia Analytical Services
19408 Park Row
Suite 320
Houston, TX 77084
Phone: (713) 266-1599

Requested Test

Client Sample ID	Collection Date	Matrix	DUP/MS/MSD	Mitkem Sample ID	SW8290_S										
CD-P34-1-0-2' E	8/24/2009 10:00:00 AM	Soil		H1640-01A	X										
CD-P34-1-0-2' N	8/24/2009 10:20:00 AM	Soil		H1640-02A	X										
CD-P34-1-0-2' W	8/24/2009 10:45:00 AM	Soil		H1640-03A	X										
CD-P34-1-0-2' S	8/24/2009 11:05:00 AM	Soil		H1640-04A	X										

1) SW8290_S, CHLORINATED DIOXIN/FURANS

Use 'Client Sample IDs' when reporting data. If needed, truncate 'Client Sample IDs' to fit on reports. Use full 'Client Sample ID' when generating EDD.

Comments: Please analyze these samples as quickly as possible. After analysis, the samples do not need to be returned and can be disposed per your standard laboratory practices.

Relinquished by:	Date/Time	Received by:	Date/Time
Shirley Ng	8/25/09 16:39	Nicole Brown 0°C	8/26/09 1000

08/25/2009
Page 1 of 1

1Z6R944013986 [illegible] 187 bubblewrap

1 custody seal, front

Reset Form

Print Form

Columbia Analytical Services, Inc.
Cooler Receipt Form

Client/Project: Mitkem Laboratories Service Request: E0900701

Received: 08/26/09 Opened (Date/Time): 08/26/09 1000 By: NAB

1. Samples were received via? ☐*US Mail* ☐*Fedex* ☑*UPS* ☐*DHL* ☐*Courier* ☐*Hand Delivered*
2. Samples were received in: (circle) ☑*Cooler* ☐*Box* ☐ *Other*_____ ☐*NA*
3. Were custody seals present on coolers? ☑Y ☐N If yes, how many and where? 1 front
   If present, were custody seals intact? ☑Y ☐N If present, were they signed and dated? ☑Y ☐N
4. Is shipper's air-bill filed? ☐NA ☐Y ☑N If not, record air bill number: 1Z6R94401398620487
5. Temperature of cooler(s) upon receipt (°C): 0
6. If applicable, list Chain of Custody numbers:
7. Were custody papers properly filled our (ink, signed, etc.)? ☐NA ☑Y ☐N
8. Packing material used: ☐*Inserts* ☑*Bubble Wrap* ☐*Blue Ice* ☑*Wet Ice* ☐*Sleeves* ☐*Other*_____
9. Were the correct types of bottles used for the tests indicated? ☑Y ☐N
   Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* ☑Y ☐N

Sample ID	Bottle Count	Bottle Type	Out of Temp	Broken	Initials
			☐	☐	
			☐	☐	
			☐	☐	
			☐	☐	
			☐	☐	
			☐	☐	
			☐	☐	

10. Were all bottle labels complete (i.e. analysis, ID, etc.)? ☑Y ☐N
    Did all bottle labels and tags agree with custody papers? *Indicate in the table below.* ☑Y ☐N

Sample ID on Bottle	Sample ID on COC		Sample ID on Bottle	Sample ID on COC

11. Additional notes, discrepancies, and resolutions:

Sample Acceptance Policy

Custody Seals (desirable, mandatory if specified in SAP):

- ✓ On outside of cooler
- ✓ Seals intact, signed and dated

Chain-of-Custody documentation (mandatory):

- ✓ Properly filled out in ink & signed by the client
- ✓ Sign and date the coc for CAS/HOU upon cooler receipt
- ✓ Coc must list method number
- ✓ If no coc was submitted with the samples, complete a CAS/HOU coc for the client

Sample Integrity (mandatory):

- ✓ Sample containers must arrive in good condition (not broken or leaking)
- ✓ Sample IDs on the bottles must match the sample IDs on the coc
- ✓ The correct type of sample bottle must be used for the method requested
- ✓ The correct number of sample containers received must agree with the documentation on the coc
- ✓ The correct sample matrix must appear on the coc
- ✓ An appropriate sample volume or weight must be received

Temperature Preservatives (varies by sample matrix):

- ✓ Aqueous and Non-aqueous samples must be shipped and stored cold, at 0 to 6°C
- ✓ Tissue samples must be shipped and stored frozen, at -20 to -10°C
- ✓ Air samples can be shipped and stored at ambient temperature, ~23°C
- ✓ The sample temperature must be recorded on the coc
- ✓ Notify a Project Chemist if any samples are outside the acceptance temperature or have compromised sample integrity – the client must decide re: replacement sample submittal or continue with the analysis

Cooler Receipt Form, CRF (mandatory):

- ✓ Cooler receipt forms must be completed for each coc & SR#
- ✓ Sample integrity issues must be documented on the CRF
- ✓ A scan of the carrier and the airbill number must be recorded in CAS LIMS

Sample Integrity Issues/Resolutions (mandatory):

- ✓ Sample integrity issues are documented on the CRF and given to the Project Chemist for resolution with the client
- ✓ Client resolution is documented in writing (typically email or on the CRF) and filed in the project folder(s)

Service Request Summary

Folder #: **E0900701**
Client Name: Mitkem a Division of Spectrum Analytical
Project Name: Dioxins/Furans by 8290
Project Number: H1640

Report To: Shirley Ng
Mitkem Laboratories
175 Metro Center Blvd
Warwick, RI 02886
Phone Number: 401-732-3400
Cell Number:
Fax Number: 401-732-3499
E-mail: sng@mitkem.com

Project Chemist: Karen Verschoor
Originating Lab: HOUSTON
Logged By: NBROWN
Date Received: 8/26/09
Internal Due Date: 9/9/09
QAP: LAB QAP
Qualifier Set: CAS Standard
Formset: CAS Standard
Merged?: N
Report to MDL?: Y
P.O. Number: H1640
EDD: BASIC_WQC

4 - 4 oz-Glass Jar WM CLEAR Teflon Liner Unpreserved

Location: E-WIC02-Box109

CAS Samp No	Client Samp No.	Matrix	Collected		SVM 8290/ PCDD PCDF	SVM 8290/ Total Solids
E0900701-001	CD-P34-1-0-2' E	Soil	8/24/09	1000	IV	IV
E0900701-002	CD-P34-1-0-2' N	Soil	8/24/09	1020	IV	IV
E0900701-003	CD-P34-1-0-2' W	Soil	8/24/09	1045	IV	IV
E0900701-004	CD-P34-1-0-2' S	Soil	8/24/09	1105	IV	IV

Test Comments:

Group	Test/Method	Samples	Comments
Semivoa GCMS	PCDD PCDF/8290	1-4, 0	DL 09/08/09 ASB

COLUMBIA ANALYTICAL SERVICES, INC

Client:	Mitkem Laboratories	**Service Request No.:**	E0900701
Project:	Dioxins/Furans by 8290/H1640	**Date Received:**	08/26/09
Sample Matrix:	Solid		

CASE NARRATIVE

All analyses were performed in adherence to the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier IV. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Four solid samples were received for analysis at Columbia Analytical Services on 08/26/09.

The samples were received at 0°C in good condition and are consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Data Validation Notes and Discussion

B flags – Method Blanks

The Method Blank EQ0900350-01 contained low levels of OCDD at or below the Method Reporting Limit (MRL).

The associated compounds in the samples are flagged with 'B' flags.

Y flags – Labeled Standards

Samples that had recoveries of labeled standards outside the acceptance limits are flagged with 'Y' flags. In all cases, the signal-to-noise ratios are greater than 10:1, making these data acceptable.

MS/DMS

EQ0800350: Laboratory Control Spike (LCS) sample was analyzed in addition to an MS/DMS for this extraction batch. The batch quality control criteria were met. The batch precision (MS/DMS) measurements were determined on another order in the extraction batch and are not included in this report

CAS-Houston follows the LCS acceptance criteria detailed in the EPA SOW DLM02.0, Section 12.2.5.3; which states, "Up to three compounds may fail to meet the recovery limits. However, frequent failures to meet the limits for recovery warrant investigation by the laboratory."

Approved by: **Date:**

Xiangqiu Liang, Laboratory Director

C flags – 2378-TCDF Confirmation

Confirmation of the TCDF compound: When 2378-TCDF is detected on the DB-5 column, confirmation analyses are performed on a second column (DB-225.) The results from both the DB-5 column and the DB-225 column are included in this data package.

The valid result for the 2378-TCDF compound is reported from the confirmation column.

The confirmation results have been included on the TEQ summary pages.

MRL

Samples CD-P34-1-0-2' E, CD-P34-1-0-2' N, CD-P34-1-0-2' W and CD-P34-1-0-2' S required dilutions due to the presence of elevated levels of target analytes.

The undiluted and diluted results were combined into one Total TEQ summary report for each sample. This reports a 'Total' result that includes the most appropriate concentration found for the associated target analyte.

E flags

When OCDD and/or OCDF exceed the upper method calibration limit (MCL), Method 8290 Section 7.9.3 advises the chemist to "report the measured concentration and indicate that the value exceeds the MCL." We use 'E' flag on the Form 1 results to indicate a compound has exceeded the MCL.

K flags

EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.

Detection Limits

Detection limits are calculated for each congener in each sample by measuring the height of the noise level for each quantitation ion for the associated labeled standard. The concentration equivalent to 2.5 times the height of the noise is then calculated using the appropriate response factor and the weight of the sample. The calculated concentration equals the detection limit.

The TEQ results for each sample have been calculated by CAS/Houston to include:

- EPA-89 TEFs ("Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and Dibenzofurans (CDDs and CDFs)", 1989 EPA Update (EPA/625/3-89/016, March 1989))
- 2378-TCDF from the DB-225 column, when confirmation required
- Non-detected compounds are not included in the 'Total'

Approved by: **Date:**

Xiangqiu Liang, Laboratory Director

Preparation Information Benchsheet

Prep Run#: 94818 **Prep WorkFlow:** OrgExtDioxS(30) **Status:** Prepped

Team: Semivoa GCMS/AKODUR **Prep Method:** Method **Prep Date/Time:** 9/1/09 02:00 PM

#	Lab Code	Client ID	B#	Method /Test	pH	Matrix	Amt. Ext.	Sample Description
1	E0900631-010RE	IB-5-3	.01	8290/PCDD PCDF		Soil	10.667g	brown soil with rocks
2	E0900701-001	CD-P34-1-0-2' E	.01	8290/PCDD PCDF		Soil	11.672g	wet black gravel
3	E0900701-002	CD-P34-1-0-2' N	.01	8290/PCDD PCDF		Soil	11.581g	black soil
4	E0900701-003	CD-P34-1-0-2' W	.01	8290/PCDD PCDF		Soil	11.065g	black and orange soil
5	E0900701-004	CD-P34-1-0-2' S	.01	8290/PCDD PCDF		Soil	11.205g	dark brown soil
6	E0900731-001	FBI Ash	.01	8290/PCDD PCDF		Ash	10.214g	brown powder
7	E0900734-001	APBS1078S001SP	.01	8290/PCDD PCDF		Soil	10.441g	brown soil
8	EQ0900350-01	MB		8290/PCDD PCDF		Solid	10.000g	
9	EQ0900350-02	LCS		8290/PCDD PCDF		Solid	10.000g	
10	EQ0900350-03	IB-5-3 MS	.01	8290/PCDD PCDF		Solid	10.676g	
11	EQ0900350-04	IB-5-3 DMS	.01	8290/PCDD PCDF		Solid	10.675g	
12	R0904769-002	RSAS4-0.5B	.02	8290/PCDD PCDF		Soil	10.669g	brown tan soil
13	R0904769-009	RSAS7-0.5B	.02	8290/PCDD PCDF		Soil	10.499g	brown tan soil
14	R0904769-010	RSAS7009-0.5B	.02	8290/PCDD PCDF		Soil	10.576g	brown tan soil
15	R0904797-009	SA154-0.5B	.02	8290/PCDD PCDF		Soil	10.416g	brown soil
16	R0904797-015	RSAS3-0.5B	.02	8290/PCDD PCDF		Soil	10.636g	tan soil
17	R0904797-016	RSAS3009-0.5B	.02	8290/PCDD PCDF		Soil	10.460g	tan soil
18	R0904843-004	SA113-0.5B	.02	8290/PCDD PCDF		Soil	10.620g	brown soil
19	R0904843-007	SA196-0.5B	.02	8290/PCDD PCDF		Soil	10.540g	brown soil
20	R0904843-010	RSAN7-0.5B	.02	8290/PCDD PCDF		Soil	10.439g	tan soil
21	R0904843-018	SA94-0.5B	.02	8290/PCDD PCDF		Soil	10.590g	brown soil

Preparation Information Benchsheet

Prep Run#: 94818 **Prep WorkFlow:** OrgExtDioxS(30) **Status:** Prepped
Team: Semivoa GCMS/AKODUR **Prep Method:** Method **Prep Date/Time:** 9/1/09 02:00 PM

Spiking Solutions

Name:	8290 Matrix Working Standard	Inventory ID	11490	Logbook Ref:	D10-59-1A	Expires On:	08/07/2019

EQ0900350-02	100.00µL	EQ0900350-03	100.00µL	EQ0900350-04	100.00µL

Name:	8290 Internal Working Standard	Inventory ID	11626	Logbook Ref:	D10-57-5A	Expires On:	08/07/2014

E0900631-010	100.00µL	EQ0900350-03	100.00µL	EQ0900350-04	100.00µL	R0904797-009	100.00µL	R0904797-015	100.00µL	R0904797-016	100.00µL
R0904843-004	100.00µL	R0904843-007	100.00µL	R0904843-010	100.00µL	R0904843-018	100.00µL				

Name:	8290 Internal Working Standard	Inventory ID	11814	Logbook Ref:	D10-69-1A	Expires On:	08/21/2014

E0900701-001	100.00µL	E0900701-002	100.00µL	E0900701-003	100.00µL	E0900701-004	100.00µL	E0900731-001	100.00µL	E0900734-001	100.00µL
EQ0900350-01	100.00µL	EQ0900350-02	100.00µL	R0904769-002	100.00µL	R0904769-009	100.00µL	R0904769-010	100.00µL		

Name:	8290/1613B Cleanup Working Standard	Inventory ID	11862	Logbook Ref:	D10-69-5A/B	Expires On:	08/28/2014

E0900631-010	100.00µL	E0900701-001	100.00µL	E0900701-002	100.00µL	E0900701-003	100.00µL	E0900701-004	100.00µL	E0900731-001	100.00µL
E0900734-001	100.00µL	EQ0900350-01	100.00µL	EQ0900350-02	100.00µL	EQ0900350-03	100.00µL	EQ0900350-04	100.00µL	R0904769-002	100.00µL
R0904769-009	100.00µL	R0904769-010	100.00µL	R0904797-009	100.00µL	R0904797-015	100.00µL	R0904797-016	100.00µL	R0904843-004	100.00µL
R0904843-007	100.00µL	R0904843-010	100.00µL	R0904843-018	100.00µL						

Preparation Materials

Acetone 99.5% Minimum	C2-16-007 (7199)	Carbon, High Purity	C2-23-004 (9452)	Ethyl Acetate 99.9% Minimum EtOAc	C2-23-006 (9462)
Extraction Thimbles 43 x123 mm	(1577)	Glass Wool	C2-13-005 (7198)	Sulfuric Acid Reagent Grade H2SO4	C2-24-003 (9461)
Dichloromethane (Methylene Chloride) 99.9% MeCl2	C2-25-001 (9449)	Sodium Chloride Reagent Grade NaCl	C1-104-2 (3306)	Sodium Hydroxide Reagent Grade NaOH	C2-24-002 (9463)
Sodium Sulfate Anhydrous Reagent Grade Na2SO4	C2-19-006 (7201)	Tridecane (n-Tridecane)	C2-24-001 (9460)	Hexane (n-Hexane) 98.5% Minimum	C2-25-002 (9440)
Nonane (n-Nonane) 99%	C2-21-004 (9457)	pH Paper 0-14	(1008)	Silica Gel Reagent Grade	C2-27-007 (9456)
Toluene 99.9% Minimum	C2-25-003 (9446)				

Preparation Steps

Step:	Extraction	Step:	Acid Clean	Step:	Silica Gel Clean	Step:	Final Volume
Started:	9/1/09 14:00	Started:	9/3/09 14:06	Started:	9/3/09 14:06	Started:	9/5/09 08:00
Finished:	9/1/09 16:00	Finished:	9/4/09 14:06	Finished:	9/4/09 14:06	Finished:	9/5/09 14:00
By:	NBROWN	By:	NBROWN	By:	NBROWN	By:	NBROWN

Preparation Information Benchsheet

Prep Run#: 94818
Team: Semivoa GCMS/AKODUR

Prep WorkFlow: OrgExtDioxS(30)
Prep Method: Method

Status: Prepped
Prep Date/Time: 9/1/09 02:00 PM

Comments: _____

Reviewed By: Nicole Brown Date: 09/08/09

Chain of Custody

Relinquished By:		Date:		Extracts Examined
Received By:		Date:		Yes No

COLUMBIA ANALYTICAL SERVICES, INC.

Total Solids, (Gravimetric, Dried at 110 Deg C)

Group ID:	95422		
Analyst:	AKODUR	**Reviewed By:**	Nicole Brown
Date Acquired:	9/1/09	**Date Reviewed:**	09/08/09

Lab Code	Client Sample Name	Test	Tare Weight	Wet Weight + Tare	Dry Weight + Tare	Percent Solids
E0900701-001	CD-P34-1-0-2' E	8290/Total Solids	13.3290g	19.2280g	17.1400g	64.6
E0900701-002	CD-P34-1-0-2' N	8290/Total Solids	13.3410g	18.9680g	18.0820g	84.3
E0900701-003	CD-P34-1-0-2' W	8290/Total Solids	13.3570g	18.6820g	17.4960g	77.7
E0900701-004	CD-P34-1-0-2' S	8290/Total Solids	13.0980g	18.5090g	16.9620g	71.4
E0900734-001	APBS1078S001SP	8290/Total Solids	13.3570g	21.1380g	20.9000g	96.9

Columbia Analytical Services INC

Chromatograms and Selected Ion Monitoring

19408 Park Row, Suite 320, Houston, TX 77084
Phone (713)266-1599 Fax (713)266-0130
www.caslab.com

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AL 09/15/09

Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
CD-P34-1-0-2' E

Run #19 Filename P104914 Samp: 1 Inj: 1 Acquired: 6-SEP-09 10:35:36
Processed: 15-SEP-09 08:08:18 LAB. ID: E0900701-001

	Typ	Name	RT-1	Resp 1	Resp 2	Ratio	Meet	Mod?	RRF
1	Unk	2,3,7,8-TCDF	28:38	6.622e+06	7.320e+06	0.90	no	yes	0.983
2	Unk	1,2,3,7,8-PeCDF	32:56	5.543e+06	3.748e+06	1.48	yes	no	0.972
3	Unk	2,3,4,7,8-PeCDF	33:41	6.255e+06	4.374e+06	1.43	yes	no	0.997
4	Unk	1,2,3,4,7,8-HxCDF	36:31	8.528e+06	7.920e+06	1.08	~~yes~~ X	no	1.221
5	Unk	1,2,3,6,7,8-HxCDF	36:37	5.060e+06	4.416e+06	1.15	~~yes~~ X	no	1.308
6	Unk	2,3,4,6,7,8-HxCDF	37:05	2.487e+06	1.985e+06	1.25	yes	no	1.155
7	Unk	1,2,3,7,8,9-HxCDF	37:49	1.683e+05	1.217e+05	1.38	yes	yes	1.062
8	Unk	1,2,3,4,6,7,8-HpCDF	39:15	4.444e+06	4.275e+06	1.04	~~yes~~ X	no	1.550
9	Unk	1,2,3,4,7,8,9-HpCDF	40:33	1.625e+06	1.555e+06	1.04	yes	no	1.173
10	Unk	OCDF	43:20	1.468e+06	1.636e+06	0.90	yes	no	1.360
11	Unk	2,3,7,8-TCDD	29:29	1.052e+04	1.433e+04	0.73	yes	no	0.923
12	Unk	1,2,3,7,8-PeCDD	34:03	5.924e+04	3.587e+04	1.65	yes	no	0.880
13	Unk	1,2,3,4,7,8-HxCDD	37:13	4.445e+04	3.569e+04	1.25	yes	no	0.928
14	Unk	1,2,3,6,7,8-HxCDD	37:17	7.590e+04	5.980e+04	1.27	yes	no	1.135
15	Unk	1,2,3,7,8,9-HxCDD	37:33	1.377e+05	1.099e+05	1.25	yes	no	1.038
16	Unk	1,2,3,4,6,7,8-HpCDD	40:08	4.011e+05	4.142e+05	0.97	yes	no	1.025
17	Unk	OCDD	43:11	5.292e+05	5.886e+05	0.90	yes	no	1.022
18	IS	13C-2,3,7,8-TCDF	28:38	9.817e+03	1.188e+04	0.83	yes	no	1.406
19	IS	13C-1,2,3,7,8-PeCDF	32:56	1.981e+04	1.214e+04	1.63	yes	no	1.375
20	IS	13C-1,2,3,4,7,8-HxCDF	36:31	1.833e+04	3.397e+04	0.54	yes	no	1.346
21	IS	13C-1,2,3,4,6,7,8-HpCDF	39:14	1.346e+04	2.942e+04	0.46	yes	no	1.031
22	IS	13C-2,3,7,8-TCDD	29:29	8.430e+03	1.178e+04	0.72	yes	no	1.101
23	IS	13C-1,2,3,7,8-PeCDD	34:01	1.519e+04	9.657e+03	1.57	yes	no	0.978
24	IS	13C-1,2,3,6,7,8-HxCDD	37:17	2.277e+04	1.805e+04	1.26	yes	no	0.991
25	IS	13C-1,2,3,4,6,7,8-HpCDD	40:08	1.894e+04	1.799e+04	1.05	yes	no	0.851
26	IS	13C-OCDD	43:10	2.695e+04	2.997e+04	0.90	yes	no	0.794
27	RS/RT	13C-1,2,3,4-TCDD	29:13	1.138e+04	1.447e+04	0.79	yes	no	-
28	RS/RT	13C-1,2,3,7,8,9-HxCDD	37:34	1.401e+04	1.106e+04	1.27	yes	no	-
29	C/Up	37Cl-2,3,7,8-TCDD	29:29	9.654e+03					1.010
					SUM AREA				
30	Tot	Total Tetra-Furans	24:39		7.662e+07	0.77	yes		0.983
31	Tot	Total Tetra-Dioxins	26:22		9.773e+05	0.79	yes		0.923
32	Tot	Total Penta-Furans	30:53		5.698e+07	1.58	yes		0.984
33	Tot	Total Penta-Dioxins	32:39		7.684e+05	1.67	yes		0.880
34	Tot	Total Hexa-Furans	35:33		3.773e+07	1.25	yes		1.186
35	Tot	Total Hexa-Dioxins	36:03		1.682e+06	1.26	yes		1.033
36	Tot	Total Hepta-Furans	39:15		1.514e+07	1.04	yes		1.362
37	Tot	Total Hepta-Dioxins	39:29		1.603e+06	1.04	yes		1.025

---Sample Calculation---

$$OCDD = \frac{(5.292e+05 + 5.886e+05) \times 5000\ pg}{(2.695e+04 + 2.997e+04) \times (11.672\ g) \times (\frac{100}{64.6})/100 \times 1.02} = 12700\ \frac{ng}{kg}$$

QE 9/15/09

Columbia Analytical Services, Inc.
19408 Park Row., Suite 320
Houston, TX 77084
Office(713)266-1599. Fax(713)266-0130

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
CD-P34-1-0-2' E

Run #19 Filename P104914 Samp: 1 Inj: 1 Acquired: 6-SEP-09 10:35:36
Processed: 15-SEP-09 08:08:181 LAB. ID: E0900701-001

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	2,3,7,8-TCDF	1.05e+09	6.34e+04	1.7e+04	1.05e+09	2.00e+05	5.2e+03
2	1,2,3,7,8-PeCDF	1.01e+09	2.56e+05	3.9e+03	7.21e+08	1.70e+05	4.2e+03
3	2,3,4,7,8-PeCDF	1.04e+09	2.56e+05	4.1e+03	7.93e+08	1.70e+05	4.7e+03
4	1,2,3,4,7,8-HxCDF	1.05e+09	1.80e+05	5.8e+03	1.05e+09	1.40e+05	7.5e+03
5	1,2,3,6,7,8-HxCDF	1.04e+09	1.80e+05	5.8e+03	9.71e+08	1.40e+05	6.9e+03
6	2,3,4,6,7,8-HxCDF	3.68e+08	1.80e+05	2.0e+03	2.93e+08	1.40e+05	2.1e+03
7	1,2,3,7,8,9-HxCDF	5.57e+07	1.80e+05	3.1e+02	4.41e+07	1.40e+05	3.2e+02
8	1,2,3,4,6,7,8-HpCDF	9.73e+08	7.00e+04	1.4e+04	9.41e+08	6.69e+04	1.4e+04
9	1,2,3,4,7,8,9-HpCDF	3.46e+08	7.00e+04	4.9e+03	3.31e+08	6.69e+04	4.9e+03
10	OCDF	2.63e+08	9.52e+02	2.8e+05	2.92e+08	6.92e+02	4.2e+05
11	2,3,7,8-TCDD	1.44e+06	1.63e+03	8.8e+02	1.93e+06	8.80e+02	2.2e+03
12	1,2,3,7,8-PeCDD	1.10e+07	5.83e+03	1.9e+03	6.72e+06	6.00e+04	1.1e+02
13	1,2,3,4,7,8-HxCDD	1.02e+07	5.93e+03	1.7e+03	8.12e+06	1.45e+04	5.6e+02
14	1,2,3,6,7,8-HxCDD	1.73e+07	5.93e+03	2.9e+03	1.36e+07	1.45e+04	9.4e+02
15	1,2,3,7,8,9-HxCDD	1.99e+07	5.93e+03	3.3e+03	1.58e+07	1.45e+04	1.1e+03
16	1,2,3,4,6,7,8-HpCDD	8.73e+07	1.10e+04	7.9e+03	8.45e+07	1.38e+04	6.1e+03
17	OCDD	9.66e+07	1.21e+03	8.0e+04	1.08e+08	9.80e+02	1.1e+05
18	13C-2,3,7,8-TCDF	1.73e+06	1.58e+03	1.1e+03	2.07e+06	3.01e+03	6.9e+02
19	13C-1,2,3,7,8-PeCDF	3.70e+06	3.50e+03	1.1e+03	2.33e+06	2.23e+04	1.0e+02
20	13C-1,2,3,4,7,8-HxCDF	3.57e+06	9.77e+03	3.7e+02	6.57e+06	5.66e+03	1.2e+03
21	13C-1,2,3,4,6,7,8-HpCDF	2.87e+06	2.39e+04	1.2e+02	6.29e+06	7.00e+04	9.0e+01
22	13C-2,3,7,8-TCDD	1.10e+06	7.96e+02	1.4e+03	1.46e+06	1.01e+03	1.4e+03
23	13C-1,2,3,7,8-PeCDD	2.81e+06	7.84e+02	3.6e+03	1.80e+06	7.52e+02	2.4e+03
24	13C-1,2,3,6,7,8-HxCDD	5.26e+06	2.54e+03	2.1e+03	4.14e+06	1.49e+03	2.8e+03
25	13C-1,2,3,4,6,7,8-HpCDD	4.10e+06	1.83e+03	2.2e+03	3.88e+06	1.22e+03	3.2e+03
26	13C-OCDD	4.96e+06	1.54e+03	3.2e+03	5.51e+06	1.36e+03	4.1e+03
27	13C-1,2,3,4-TCDD	1.11e+06	7.96e+02	1.4e+03	1.38e+06	1.01e+03	1.4e+03
28	13C-1,2,3,7,8,9-HxCDD	3.24e+06	2.54e+03	1.3e+03	2.56e+06	1.49e+03	1.7e+03
29	37Cl-2,3,7,8-TCDD	2.18e+06	2.53e+04	8.6e+01			

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Columbia Analytical Services, Inc.
Peak List Summary

CLIENT ID.
CD-P34-1-0-2' E

Entry: 30 Totals Name: Total Tetra-Furans

Run: 19 File: P104914 Sample:1 Injection:1 Function:1

Acquired: 6-SEP-09 10:35:36 Processed: 15-SEP-09 08:08:18

#	RT	Resp	Mass:303.902 Resp	305.899 Ratio	Response: Meet	Tot Resp	Name	Mod?
1	24:39	4.41e+05	5.76e+05	0.77	yes	1.02e+06		n
2	25:16	1.28e+06	1.65e+06	0.78	yes	2.93e+06		n
3	25:37	2.03e+05	2.67e+05	0.76	yes	4.69e+05		n
4	26:06	6.12e+06	7.79e+06	0.79	yes	1.39e+07		n
5	26:17	8.45e+05	1.07e+06	0.79	yes	1.92e+06		n
6	26:30	5.84e+06	7.43e+06	0.79	yes	1.33e+07		n
7	27:19	3.72e+06	4.74e+06	0.78	yes	8.46e+06		n
8	27:36	1.37e+06	1.76e+06	0.78	yes	3.14e+06		n
9	27:42	1.67e+06	2.13e+06	0.79	yes	3.80e+06		n
10	27:50	6.97e+05	8.87e+05	0.79	yes	1.58e+06		n
11	28:04	6.39e+06	7.54e+06	0.85	yes	1.39e+07		y
12	28:22	4.19e+06	5.32e+06	0.79	yes	9.51e+06		y
13	29:24	1.18e+06	1.52e+06	0.78	yes	2.70e+06		n

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Columbia Analytical Services, Inc.
Peak List Summary

CLIENT ID.
CD-P34-1-0-2' E

Entry: 31 Totals Name: Total Tetra-Dioxins

Run: 19 File: P104914 Sample:1 Injection:1 Function:1

Acquired: 6-SEP-09 10:35:36 Processed: 15-SEP-09 08:08:18

#	RT	Resp	Mass:319.897 Resp	321.894 Ratio	Response: Meet	Tot Resp	Name	Mod?
1	26:22	7.58e+04	9.63e+04	0.79	yes	1.72e+05		n
2	26:50	5.20e+04	6.62e+04	0.79	yes	1.18e+05		n
3	27:12	1.95e+04	2.43e+04	0.81	yes	4.38e+04		n
4	28:01	8.49e+04	1.07e+05	0.79	yes	1.92e+05		n
5	28:15	2.27e+04	2.97e+04	0.77	yes	5.24e+04		n
6	28:22	2.37e+04	2.92e+04	0.81	yes	5.29e+04		n
7	28:30	1.04e+04	1.56e+04	0.66	yes	2.60e+04		n
8	28:49	2.08e+04	2.70e+04	0.77	yes	4.78e+04		n
9	29:11	3.78e+04	4.96e+04	0.76	yes	8.74e+04		n
10	29:24	2.15e+04	2.93e+04	0.73	yes	5.08e+04		n
11	29:29	1.05e+04	1.43e+04	0.73	yes	2.48e+04	2,3,7,8-TCDD	n
12	29:52	2.85e+04	3.78e+04	0.75	yes	6.63e+04		n
13	30:03	8.76e+03	1.16e+04	0.76	yes	2.03e+04		n
14	30:31	9.27e+03	1.26e+04	0.73	yes	2.19e+04		n

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Columbia Analytical Services, Inc.
Peak List Summary

CLIENT ID.
CD-P34-1-0-2' E

Entry: 32 Totals Name: Total Penta-Furans

Run: 19 File: P104914 Sample:1 Injection:1 Function:2

Acquired: 6-SEP-09 10:35:36 Processed: 15-SEP-09 08:08:18

Mass:339.860 341.857 Response:

#	RT	Resp	Resp	Ratio	Meet	Tot Resp	Name	Mod?
1	30:53	2.35e+06	1.49e+06	1.58	yes	3.85e+06		n
2	31:54	2.21e+06	1.42e+06	1.56	yes	3.63e+06		n
3	32:13	4.41e+06	2.82e+06	1.56	yes	7.23e+06		n
4	32:33	8.29e+05	5.33e+05	1.56	yes	1.36e+06		n
5	32:38	3.20e+06	2.04e+06	1.57	yes	5.24e+06		n
6	32:50	1.66e+06	1.06e+06	1.56	yes	2.72e+06		n
7	32:56	5.54e+06	3.75e+06	1.48	yes	9.29e+06	1,2,3,7,8-PeCDF	n
8	33:06	4.06e+06	2.61e+06	1.56	yes	6.67e+06		n
9	33:14	3.89e+06	2.48e+06	1.57	yes	6.37e+06		n
10	33:41	6.26e+06	4.37e+06	1.43	yes	1.06e+07	2,3,4,7,8-PeCDF	n

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Peak List Summary

CLIENT ID.
CD-P34-1-0-2' E

Entry: 33 Totals Name: Total Penta-Dioxins

Run: 19 File: P104914 Sample:1 Injection:1 Function:2

Acquired: 6-SEP-09 10:35:36 Processed: 15-SEP-09 08:08:18

Mass:355.855 357.852 Response:

#	RT	Resp	Resp	Ratio	Meet	Tot Resp	Name	Mod?
1	32:39	3.11e+04	1.86e+04	1.67	yes	4.97e+04		n
2	32:55	1.12e+05	7.89e+04	1.42	yes	1.91e+05		n
3	33:04	5.30e+04	3.69e+04	1.44	yes	8.99e+04		n
4	33:15	8.63e+04	5.36e+04	1.61	yes	1.40e+05		n
5	33:31	7.63e+04	5.07e+04	1.51	yes	1.27e+05		n
6	33:43	4.68e+04	2.88e+04	1.62	yes	7.56e+04		n
7	34:03	5.92e+04	3.59e+04	1.65	yes	9.51e+04	1,2,3,7,8-PeCDD	n

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Peak List Summary

CLIENT ID.
CD-P34-1-0-2' E

Entry: 34 Totals Name: Total Hexa-Furans

Run: 19 File: P104914 Sample:1 Injection:1 Function:3

Acquired: 6-SEP-09 10:35:36 Processed: 15-SEP-09 08:08:18

Mass:	373.821		375.818		Response:			
#	RT	Resp	Resp	Ratio	Meet	Tot Resp	Name	Mod?
1	35:33	1.01e+06	8.03e+05	1.25	yes	1.81e+06		n
2	35:51	1.80e+05	1.43e+05	1.26	yes	3.23e+05		n
3	35:59	4.67e+05	3.71e+05	1.26	yes	8.38e+05		n
4	36:31	8.53e+06	7.92e+06	1.08	yes	1.64e+07	1,2,3,4,7,8-HxCDF	n
5	36:37	5.06e+06	4.42e+06	1.15	yes	9.48e+06	1,2,3,6,7,8-HxCDF	n
6	36:43	1.75e+05	1.37e+05	1.27	yes	3.12e+05		n
7	36:53	7.11e+05	5.64e+05	1.26	yes	1.27e+06		n
8	37:05	2.49e+06	1.98e+06	1.25	yes	4.47e+06	2,3,4,6,7,8-HxCDF	n
9	37:49	1.68e+05	1.22e+05	1.38	yes	2.90e+05	1,2,3,7,8,9-HxCDF	y
10	37:52	1.40e+06	1.09e+06	1.28	yes	2.49e+06		y

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Peak List Summary

CLIENT ID.
CD-P34-1-0-2' E

Entry: 35 Totals Name: Total Hexa-Dioxins

Run: 19 File: P104914 Sample:1 Injection:1 Function:3

Acquired: 6-SEP-09 10:35:36 Processed: 15-SEP-09 08:08:18

#	RT	Resp	Mass:389.816 Resp	Ratio	Response: Meet	Tot Resp	Name	Mod?
1	36:03	1.25e+05	9.91e+04	1.26	yes	2.24e+05		n
2	36:30	2.44e+05	2.13e+05	1.15	yes	4.57e+05		n
3	36:42	2.60e+05	2.17e+05	1.20	yes	4.78e+05		n
4	36:51	3.32e+04	2.66e+04	1.25	yes	5.99e+04		n
5	37:13	4.45e+04	3.57e+04	1.25	yes	8.01e+04	1,2,3,4,7,8-HxCDD	n
6	37:17	7.59e+04	5.98e+04	1.27	yes	1.36e+05	1,2,3,6,7,8-HxCDD	n
7	37:33	1.38e+05	1.10e+05	1.25	yes	2.48e+05	1,2,3,7,8,9-HxCDD	n

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Peak List Summary

CLIENT ID.
CD-P34-1-0-2' E

Entry: 36 Totals Name: Total Hepta-Furans

Run: 19 File: P104914 Sample:1 Injection:1 Function:4

Acquired: 6-SEP-09 10:35:36 Processed: 15-SEP-09 08:08:18

#	RT	Resp	Mass:407.782 Resp	409.779 Ratio	Response: Meet	Tot Resp	Name	Mod?
1	39:15	4.44e+06	4.28e+06	1.04	yes	8.72e+06	1,2,3,4,6,7,8-HpCDF	n
2	39:36	1.66e+06	1.59e+06	1.04	yes	3.25e+06		n
3	40:33	1.62e+06	1.56e+06	1.04	yes	3.18e+06	1,2,3,4,7,8,9-HpCDF	n

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Peak List Summary

CLIENT ID.
CD-P34-1-0-2' E

Entry: 37 Totals Name: Total Hepta-Dioxins

Run: 19 File: P104914 Sample:1 Injection:1 Function:4

Acquired: 6-SEP-09 10:35:36 Processed: 15-SEP-09 08:08:18

Mass:423.777		425.774		Response:			
#	RT	Resp	Resp Ratio	Meet	Tot Resp	Name	Mod?
1	39:29	4.02e+05	3.86e+05 1.04	yes	7.88e+05		n
2	40:08	4.01e+05	4.14e+05 0.97	yes	8.15e+05	1,2,3,4,6,7,8-HpCDD	n

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