



**INTERNATIONAL  
TECHNOLOGY  
CORPORATION**

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Project No. 519200  
February 1995

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**Final**

## Mid-Project Data Report

Ash Landfill Immediate Response Measure  
Seneca Army Depot Activity  
Romulus, New York

Contract No. DACW45-94-D-0054  
Delivery Order No. 01

Prepared for:  
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February 24, 1995

Dear Sirs and Madam:

Please find enclosed the final version of the Mid-Project Data Report. This document is submitted as part of the Ash Landfill Immediate Response Measure- Phase 2 project at the Seneca Army Depot Activity, Romulus, New York under Contract No. DACW45-94-D-0054, Delivery Order No. 01.

The Mid-Project Data Report presents the results of project sampling activities performed at the Ash Landfill site from the completion of the Prove-Out Event on November 8, 1994 to December 17, 1994, when the project was suspended for the holiday season. Sampling activities summarized in this report include verification and confirmatory soil material sampling, water discharge sampling, perimeter monitoring sampling, and on-site meteorological data collection. This report summarizes the analytical results and other measurements over the reporting period.

Questions concerning this document can be addressed to Mr. Peter Coutts or Mr. Jeffrey Korb of IT Corporation at (716) 271-6430.

Respectfully,

IT CORPORATION

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Peter W. Coutts  
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Encl.

**Mid-Project Data Report**

**Seneca Army Depot Activity  
Romulus, New York**

**Prepared for:**

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## **1.0 Introduction**

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This Mid-Project Data Report summarizes the data collected to the mid-project point for the Ash Landfill remediation project. The report covers data generated from the end of the Prove-Out Event, November 8, 1994, through to December 18, 1994, when project activities were suspended for the holiday season. This Mid-Project Report has been submitted by IT Corporation (IT) in support of the Work Plan and Scope of Services for the Rapid Response Immediate Response Measure (IRM) at the Seneca Army Depot Activity in Romulus, New York. This Report has been prepared to provide a summary of the project data compiled by IT for the U.S. Army Corps of Engineers (USACE), Omaha District, so that it meets the requirements detailed in Delivery Order No. 01, under Rapid Response contract number DACW45-94-D-0054.

The Seneca Army Depot facility is located in Romulus, New York near the eastern shore of Seneca Lake, where it was constructed in 1941. The Ash Landfill site encompasses approximately 130 acres of the 10,587 acre Seneca Army Depot Activity (SEDA) facility, and is situated near the southwestern corner of the facility. The site consists of the abandoned landfill area, including the Ash Landfill and the Non-Combustible Landfill, a burned out incinerator building and stack, and a nearby cooling pond.

Section 2.0 of this Report provides a summary of project activities and details the types of data collected for the Mid-Project Report. The results of the various data collection activities are summarized and presented in Section 3.0. Section 4.0 describes the quality assurance/ quality control (QA/QC) performed for the project. In Section 5.0, general conclusions for the Mid-Project Report are discussed. Analytical data and other supporting documentation are included in this Report as Appendices. Appendix A contains soil data; Appendix B contains water analytical data; and Appendix C consists of air data and other documentation.

## **2.0 Project Activities Summary**

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Project activities are fully outlined in the Ash Landfill project Work Plan, written by IT and approved by the USACE in September, 1994. These activities include plant operations during LTTD remedial action, verification soil and water sampling, perimeter and work zone air monitoring, and on-site meteorological data collection. The Mid-Project Report documents project activities performed and completed from November 8, 1994 through December 18, 1994.

### **2.1 Project Objectives**

The Ash Landfill Immediate Response Measure (IRM) project was originated to treat contaminated soils at the Ash Landfill project site to acceptable clean-up levels. Project activities to date have included the site preparation, baseline monitoring and soil boring tasks, start-up of the LTTD system, and verification of proper LTTD operation by testing of untreated and processed soils and air emissions. The original objectives of the Ash Landfill project includes:

- Confirm the extent of the known soil contamination areas in order to delineate with confidence the removal of all contaminated soils and debris for treatment;
- Treat contaminated soils by Low Temperature Thermal Desorption (LTTD) to remove halogenated volatile organic compounds (VOCs) to prescribed treatment levels and to reduce concentrations of polynucleated aromatic hydrocarbons (PAHs) present in the soils;
- Backfill the Ash Landfill with treated soil material; and.
- Measure and control dispersion of air pollution resulting from project activities.

The Ash Landfill IRM was designed to treat soil material in defined areas of the site to prescribed treatment clean-up levels. Once the LTTD system has effectively cleaned the soil material, as tested by the collection of confirmatory soil samples, the soils are returned to the excavation and backfilled to complete the remedial action. Water collected from the excavation area is treated prior to discharge by air stripping and particulate filtration. The water is then discharged, after confirmatory water sampling, to the surface. Air dispersion of VOCs, PAHs, and particulate matter from project activities are monitored by perimeter air monitoring stations and direct-read monitoring in the work zone. Meteorological conditions are recorded by an on-site meteorological station. Each of these activities is described below.

## **2.2 LTTD Operations**

The LTTD system constructed for this project consists of a feeder/separator, a large, rotating dryer heated by propane gas, a conveyor belt system, and an off-gas emissions train that includes a baghouse and a thermal oxidizer as air pollution control equipment. The LTTD system is fed by a front-end loader at the feeder/separator unit, which handles the soil material and crushes it to the correct size for entry into the dryer. The material that enters is heated and then treated in the rotating dryer unit. The material passes out of the dryer on the conveyor system and is deposited in a pile in the clean soils area. Heated off-gas emissions from the soil treatment are captured and carried to the baghouse, which removes the particulate matter present in the air stream. After removal of the particulates, the air stream enters the thermal oxidizer unit and is heated to temperatures near 1400 °F to remove the volatile organic compounds.

The soil material excavated from the excavation areas is first processed through a debris screening unit to remove large-scale material. The screened material is added to the LTTD system and heated to approximately 800-900 °F while being fed through the rotary dryer. Soil material exiting the LTTD system is stored in 150 cubic yard piles prior to confirmation sampling and backfilling. The optimum processing rate is approximately 20 tons per hour.

In addition to the soil treatment operation, the LTTD system also captures the exhaust air stream from the rotating dryer. Particulate matter from the dryer exhaust is filtered through a baghouse filter collector with primary and secondary filter fabrics. Collected particulate fines are recycled back to the rotary dryer for retreatment. The particulate free off-gas is fed into the thermal oxidizer, where the volatilized contaminants are destroyed by applying heat necessary for oxidation. The air stream is then exhausted out of a 42-inch diameter, 56 foot tall stack.

## **2.3 Soil Sampling**

The soil sampling activities performed following completion of the Prove-Out Event on November 8, 1994 included verification testing of soil material removed from all of Ash Landfill Excavation Area B and the eastern section of Excavation Area A. Post-treatment sampling of soil material from the LTTD system was conducted, with soil samples collected for every 150 tons of material processed through the treatment system. The soil samples collected from November 9 through December 19, 1994 represent a total of approximately 69 treated soil samples. The laboratory analytical results were evaluated versus the site-specific cleanup levels outlined in the project Work Plan and Scope of Services document.

In addition to the scheduled sampling described above, soil material was also collected as a confirmatory sample upon agreement between IT, the USACE, and NYSDEC. Soil material located at the northern boundary of Excavation Area B was sampled and analyzed. This unique sampling event utilized a different sampling technique than the verification sampling. Both methodologies are introduced in the paragraphs below.

### ***2.3.1 Post-Treatment Soil Samples***

Post-treatment soil material discharged from the LTTD system was collected from each of the 150 ton treated soil piles. Composite samples were collected for each 150 tons of post-processed soil consisting of 4 "grab/discrete" samples and analyzed for volatiles and semi-volatiles. In addition, one composite sample was collected, consisting of 4 "grab/discrete" samples, from each 150 ton soil pile treated within a 24 hour period and analyzed for TCLP metals. All "grab" samples were collected from four different locations around the perimeter of the soil pile, at a minimum of two feet below the soil pile surface using a long handled stainless steel trowel.

### ***2.3.2 Confirmatory Soil Samples***

One composite soil sample was collected from the side of the excavation wall and analyzed for volatiles and semivolatiles. This sample was taken due to the representative Phase I soil boring (SB129) containing volatile and semivolatile concentrations significantly exceeding site specific cleanup levels. As a result, Excavation Area B near the SB129 location was excavated an additional five feet vertical to the horizontal of the previously delineated excavation boundary. A composite soil sample was collected and sent for analysis in order to determine if the new excavation boundary is significant in order to meet project cleanup objectives.

## ***2.4 Water Discharge Sampling***

The water discharge samples collected as part of this project are representative of the wastewater generated during excavation activities at the project site, including: accumulated groundwater from the excavation, surficial runoff collected from the excavation areas, and/or decontamination water. All wastewater is collected and stored in 20,000 gallon tanks until treatment by an air stripping unit and particulate filtration can occur. The treated water is stored in 20,000 gallon tanks adjacent to the water treatment system pending analytical results from samples collected from the post-treatment tanks.

All water samples were collected by compositing water from two 20,000 gallon tanks with a

disposable bailer. Analytical results are evaluated against the site specific water discharge permit approved by the NYSDEC.

## **2.5 Perimeter Air Monitoring**

Perimeter monitoring activities commenced in September, 1994, prior to the completion of the Prove-Out Event. Perimeter stations were located around the site based on data analyzed from the baseline monitoring program performed in early September, 1994. Each monitoring station housed the sampling equipment necessary to perform the sample collection protocol outlined in the Air Monitoring Plan (AMP), as follows:

- PM<sub>10</sub> high volume sampler
- Total Suspended Particulate (TSP) sampler
- Direct-read VOC monitor
- Direct-read particulate monitor

Monitoring equipment was placed on a scaffold and calibrated according to USEPA method requirements and/or manufacturer's instructions.

Sampling and analytical protocols for the ambient data collection followed appropriate USEPA reference methods. PM<sub>10</sub> samples and TSP samples were collected over 24 hour sampling periods. PM<sub>10</sub> filter samples were analyzed for particulate matter (particulate matter less than or equal to 10 microns in size). TSP filter samples were collected and analyzed for lead content only. Direct, real-time monitoring with a photoionization detector and dust monitor was also performed while ambient samples were collected. Direct-read VOC monitors collected samples frequently, but were typically recorded over two hour sampling periods for total VOC concentration. Particulate matter direct-read monitors collected data over two hour and 24 hour periods for total particulate matter.

## **2.6 On-Site Meteorological Station**

The on-site meteorological (MET) station constructed for this project consists of a ten (10) meter retractable aluminum tower with specialized measurement sensors required by the AMP attached to the tower. These sensors include:

- wind direction vane
- wind speed sensor/anemometer
- temperature gauge

- relative humidity sensor
- barometric pressure gauge, and
- precipitation gauge

All sensors meet the required performance criteria outlined in the AMP. The MET station sensors are connected to a datalogging computer that records measurements every 5 minutes and averages these readings over a hourly period. Downloading of meteorological data is available on demand. Julian date and standard time (EST) are kept continuously by the datalog system. The MET station was located and sited according to USEPA siting criteria. The MET station is located away from obstructions that could influence wind measurements and is upwind from project work areas, as indicated from available prevalent wind direction data (see ES RI Report, October, 1993). Data collection commenced on August 28, 1994 and has been continuous throughout the project.

## **3.0 Mid-Project Data Results**

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A summary of the Mid-Project data results is presented below. LTTD system operating conditions were measured by recording processing and operating scenarios of the LTTD. The attainment of acceptable treatment criteria for the soil material by the LTTD system was also examined, utilizing soil sampling and analysis protocols. Air dispersion was monitored by testing at the site perimeter and in the work zone.

### **3.1 LTTD Operations Summary**

The LTTD system was first fired on October 31, 1994 at approximately 1700 hours. After completion of the Prove-Out Event, records of the LTTD system operating conditions and processing information have been collected. Table 3-1 presents a summary of the LTTD processing record to date.

Treatment of the soil material continued after completion of the Prove-Out Event. The LTTD unit averaged just over 15 tons per hour processing rate during unit operation over the reporting period. Operating temperatures during this time period to process material ranged from 700-1015 °F, with an average of 896 °F.

During the project performance, the LTTD system experienced some operational difficulties and process downtime. These problems were varied, including: 1) obstruction of feed hopper, crusher, and conveyor mechanisms because of high moisture content of soil material; 2) system equipment failures requiring maintenance and repair time; and, 3) subcontractor labor restrictions caused by working in Level C conditions- adequate relief staff not available.

### **3.2 Soil Sampling Data Summary**

The results from the laboratory analyses of post-treatment soil samples and the confirmatory soil sample are presented below. The laboratory analytical results were evaluated versus the site-specific cleanup levels. All soil samples were determined to contain volatile and/or semi-volatile constituents at concentrations below cleanup levels. Appendix A contains tabular summaries of the analytical results for the soil samples and copies of Certificates of Analysis.



**Table 3-1**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot Activity Ash Landfill IRM**  
**Mid-Project Data Report**  
**LTTD System Processing Data Summary**

Area	Cell	Date	Amt. Delivered to Screen (cu.yd.)	Est. Amt. to LTTD (cu. yd.)	Est. Debris to Decon.	Soil Treated (Tons)	Soil Treated To Date (Tons)	Soil Rejected (Tons)
B	2	11/10/94	535	0	0	0	1454.6	0
B	2	11/11/94	387	0	0	0	1454.6	0
B	2	11/12/94	310	260	0	237.5	1692.1	0
B	2	11/13/94	325	735	0	455.4	2147.5	0
B	2	11/14/94	325	640	0	457.8	2605.3	0
B	2	11/15/94	225	445	0	438.8	3044.1	0
B	2	11/16/94	240	240	0	363.1	3407.2	0
B	2	11/17/94	225	225	0	450.9	3858.1	0
B	2	11/18/94	345	230	0	302.1	4160.2	0
B	3	11/19/94	355	60	0	286.6	4446.8	0
B	3	11/20/94	255	375	0	444.2	4891	15
--	--	11/21/94	0	0	0	346.1	5237.1	0
B	3	11/22/94	335	420	0	372.6	5609.7	0
B	3	11/23/94	115	115	0	69.9	5679.6	2
B	4	11/24/94	325	325	0	336	6015.6	0
B	4	11/25/94	415	415	0	456.9	6472.5	0
B	4	11/26/94	515	515	0	444.5	6917	0
B	4	11/27/94	350	350	0	365.5	7282.5	0
B	4	11/28/94	315	315	0	314.6	7597.1	0
B	4	11/29/94	200	200	0	47.8	7644.9	0
B	4	11/30/94	140	140	0	29.3	7674.2	0
B	4	12/1/94	185	185	0	294.5	7968.7	0
B	4	12/2/94	0	0	0	334	8302.7	0
A	1	12/3/94	350	350	0	440.7	8743.4	0
A	1	12/4/94	395	395	0	356	9099.4	0
A	1	12/5/94	150	150	0	155.1	9254.5	2
A	1	12/6/94	230	230	0	174.7	9429.2	0
A	1	12/7/94	250	250	0	133.9	9563.1	0
A	1	12/8/94	85	85	0	165.9	9729	0
A	2	12/9/94	50	50	0	48.9	9777.9	0
A	2	12/10/94	0	0	0	64.3	9842.2	0
A	2	12/11/94	0	0	0	29.3	9871.5	0
A	1 Rejects	12/12/94	40	40	0	0	9871.5	0
		12/13/94	0	0	0	0	9871.5	0
A	1 Rejects	12/14/94	40	40	0	34.5	9906	0
		12/15/94	0	0	0	0	9906	0
		12/16/94	0	0	0	39.6	9945.6	0

### **3.2.1 Post-Treatment Soil Samples**

The results from the laboratory analyses of treated soil samples are summarized below. The laboratory analytical results were evaluated versus the site-specific cleanup levels. In all treated soil samples, volatile constituents were successfully treated to below cleanup levels. Semivolatiles were proven to be significantly reduced in concentration. However, semivolatiles are still present in the treated soil samples with some of the semivolatile concentrations exceeding cleanup levels. The results are summarized in Table 1 of Appendix A.

All volatile constituents detected in the treated samples, with the exception of one sample (T-A1-9), were not detected in concentrations greater than the practical quantitation limits (PQLs). Four site specific volatile compounds (trichloroethene, 1,2-dichloroethene, toluene, and xylene) were detected at concentrations ranging from 0.1 (J) ppb to 12 ppb.

Semivolatiles were detected at varying concentrations in all treated samples. Out of the ten target semivolatile compounds, four semivolatile constituents were detected at concentrations greater than cleanup levels. The four semivolatile constituents (benzo(a)anthracene, benzo(a)pyrene, chrysene, and dibenzo(a,h)anthracene) ranged in concentrations from 15 ppb to 800 ppb and were detected in approximately half of the treated samples.

In addition, soil samples were collected from a composite of four grab samples from each 150 ton pile treated within a 24 hour period. These composite samples were submitted to the laboratory and analyzed for the eight toxicity characteristic metals. The results revealed that six of the eight metals analyzed for were detected (arsenic, barium, cadmium, lead, selenium, and silver) with none of the concentrations exceeding toxicity characteristic levels. Summary of the laboratory soil sample analytical results are presented in Table 2 of Appendix A.

### **3.2.2 Confirmatory Soil Sample**

Analytical results of the confirmatory soil sample (identification number C-SB-129R) reveal two volatile compounds (trichloroethene and 1,2-dichloroethene). All but three of the semivolatiles (naphthalene, bis(2-ethylhexyl)phthalate, and indeno(1,2,3-cd)pyrene) were detected. None of these constituent concentrations exceed site specific cleanup levels. The volatile constituent concentrations are 15 (B) ppb to 47 ppb for trichloroethene and 1,2-dichloroethene, respectively. The sample results are summarized in Table 1 of Appendix A.

### **3.3 Water Discharge Data Summary**

Two pretreated water samples were collected and analyzed for volatiles, semivolatiles, metals and various classical chemistry constituents. The analytical results reveal volatiles, metals and a range of classical chemistry constituents being detected in varying concentrations.

One treated water sample was collected and analyzed for volatiles, semivolatiles, metals, and total cyanide. The laboratory analytical results were evaluated versus the pending site-specific water discharge permit. Only metal constituents were detected with iron exceeding potential permit levels. The water was retreated and analyzed for iron only. Since the water discharge permit was incomplete at the time of receiving the two treated water analytical results, the water was containerized and shipped to the Seneca Army Depot POTW. A summary of the water discharge sample laboratory analytical results are presented in Appendix B.

### **3.4 Perimeter Air Monitoring Data Summary**

Concentrations of VOCs and particulate matter were collected as part of the perimeter monitoring activities. Data are presented in Tables 1 through 4 in Appendix C. Data retrieval exceeded the program requirement of 90 percent. For reference, the Certificates of Analysis from the laboratory have also been included in Appendix C of this Report.

Concentrations of particulate matter collected via the PM<sub>10</sub> sampler ranged from 0.04 ug/m<sup>3</sup> to 299.5 ug/m<sup>3</sup> in the collected samples, with an average respirable dust concentration of 19.56 ug/m<sup>3</sup>. TSP samples, collected for lead analysis, reported lead concentrations ranging from 0.01 ug/m<sup>3</sup> to 0.027 ug/m<sup>3</sup>, with an average lead concentration found in the air of 0.02 ug/m<sup>3</sup>.

Direct, real-time monitoring, for both particulate matter and VOCs, was performed on a periodic schedule while sampling was being conducted. Monitoring results for the particulate matter measurements are presented in Table 3 in Appendix C and results for the VOC concentrations are presented in Table 4 in Appendix C.

### **3.5 Meteorological Observation Summary**

The on-site meteorological system collected localized measurements of wind speed, wind direction, relative humidity, barometric pressure, temperature, and precipitation levels. Meteorological parameter measurements collected prior to and during the air media sample collection showed no significant deviation from expected norms. The on-site MET station

performed well and achieved project quality objectives stated in the AMP with greater than 90% retrieval. Raw meteorological data and a descriptive windrose are included in Appendix C for reference.

Meteorological measurements include temperature readings ranging from a high of 84.8° F at 1300 hours on September 16, 1994 to a low of 12.19° F at 0800 hours on December 12th. Average temperature during the report monitoring period was 49.96° F. Total precipitation recorded for the period was as expected. From the hourly wind direction and wind speed data, a composite windrose for the on-site MET station is presented in Appendix C. The windrose provides a representation of the local wind conditions for the reporting period.

## **4.0 Quality Assurance/Quality Control (QA/QC)**

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All project activities, implemented under the Work Plan for the Seneca Army Depot Ash Landfill IRM, is subject to the quality assurance and quality control guidelines presented in the SPP, CSAP, and AMP. Specific requirements are also listed in the particular sampling and analytical reference methods utilized for this portion of the project. The QA/QC program implemented for this task includes:

- Detailed sample collection and handling protocols
- Calibration of instrumentation and apparatus
- Sample analysis in association with specific QC activities, such as blank and duplicate analyses
- Data reduction, validation, and reporting
- Documentation of the sampling and analytical program, and
- Internal quality control.

Specific steps for this task were undertaken at the analytical laboratory, as method and instrument blanks, calibration checks, and duplicate sample analyses were completed for the sample sets. Raw data and the associated QA/QC results for the soil sampling and water discharge testing can be found in Appendices A and B, respectively.

## 5.0 Conclusions

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Conclusions at the mid-point of the Ash Landfill project include:

- The LTTD system is able to meet the necessary processing performance requirements for the project;
- Performance of the LTTD unit continues to demonstrate successful reduction/elimination of volatile constituents detected in the soil samples to at or below constituent PQLs. The LTTD unit is able to treat soils to achieve VOC clean-up criteria stipulated in the Work Plan;
- Performance of the LTTD unit also indicates reduction in concentrations of semi-volatile constituents detected in pretreatment soil samples. Most of the semi-volatile constituents detected above cleanup levels in the pretreatment soil samples are successfully reduced to concentrations below cleanup levels;
- Air contaminant dispersion generated by the LTTD system or other project activities has been appropriately measured and controlled; the perimeter monitoring activities have successfully monitored air dispersion from the project site; and,
- The on-site meteorological station continues to collect quality data of localized weather conditions.

*Appendix A*

*Soil Analytical Data/Certificates of Analysis*

Appendix A  
 Table 1  
 U.S. Army Corps of Engineers Omaha District  
 Seneca Army Depot Activity, Ash Landfill IRM  
 Mid-Project Data Report  
 Preliminary Soil Volatile and Semivolatile Data Summary

Specific Compounds	Sample Identification and Constituent Concentration (ppb)									
	T-B1-11	T-B2-1	T-B2-2	T-B2-3	T-B2-4	T-B2-5	T-B2-6	T-B2-7	T-B2	
1,1-dichloroethene	<10	<10	<11	<10	<11	<10	<11	<11	<11	<11
1,1-dichloroethene chloride	<10	<10	<11	<10	<11	<10	<11	<11	<11	<11
1,2-dichloroethene	<10	<10	<11	<10	<11	<10	<11	<11	<11	<11
1,2-dichloroethene chloride	<10	0.1 J	<11	<10	<11	0.1 J	<11	<11	<11	1 J
1,2-dichloroethene	<10	<10	<11	<10	<11	<10	<11	<11	<11	<11
1,2-dichloroethene	<660	<660	<660	<660	<660	<660	<660	<660	<660	<660
1,2-dichloroethene	<660	54 J	64 J	110 J	92 J	56 J	36 J	42 J	33 J	33 J
1,2-dichloroethene	<660	86 J	94 J	110 J	140 J	87 J	50 J	62 J	42 J	42 J
1,2-dichloroethene	<660	61 J	69 J	82 J	110 J	64 J	<660	43 J	<660	<660
1,2-dichloroethene	<660	<660	<660	<660	<660	<660	<660	<660	<660	<660
1,2-dichloroethene	<660	<660	<660	<660	<660	<660	<660	<660	<660	<660
1,2-dichloroethene	31	130	110	45	82	65	20	28	29	29
1,2-dichloroethene	33	85	80	35	83	46	19	27	17	17
1,2-dichloroethene	26	63*	68*	32	77*	49	18 J	20 J	17 J	17 J
1,2-dichloroethene	15 J*	32*	40*	18 J*	42*	29*	<22	<22	<22	<22

Notes at end of table.



Appendix A  
 Table 1 (cont)  
 U.S. Army Corps of Engineers Omaha District  
 Seneca Army Depot Activity, Ash Landfill IRM  
 Mid-Project Data Report  
 Preliminary Soil Volatile and Semivolatile Data Summary

Specific Compounds	Sample Identification and Constituent Concentration (ppb)									
	T-B2-9	T-B2-10	T-B2-11	T-B2-12	T-B2-12 duplicate	T-B2-13	T-B2-14	C-SB-129R	T-B2-15	T-B2-16
1,2-dichloroethane	<11	<11	<10	<11	<11	<11	<11	15 B	<11	<11
1,1-dichloroethene	<11	<11	<10	<11	<11	<11	<11	47	<11	<11
1,1,1-trichloroethene	<11	<11	<10	<11	<11	<11	<11	<11	<11	<11
1,1,2-trichloroethane	0.1 J	1 J	<10	<11	<11	<11	<11	<11	<11	<11
1,2-dichlorobenzene	<11	<11	<10	<11	<11	<11	<11	<11	<11	<11
1,2,4-trichlorobenzene	<660	<660	<660	<660	<660	<660	<660	<660	<660	<660
1,2,4-trichlorobenzene (isomer)	32 J	<660	39 J	110 J	130 J	91 J	70 J	130 J	78	78
1,2,4-trichlorobenzene (isomer)	42 J	28 J	59 J	184 J	230 J	160 J	94 J	230 J	106	106
1,2,4-trichlorobenzene (isomer)	<660	<660	37 J	80 J	100 J	74 J	43 J	100 J	56	56
1,2,4-trichlorobenzene (isomer)	<660	<660	<660	<660	<660	<660	<660	<660	<660	<660
1,2,4-trichlorobenzene (isomer)	<660	<660	<660	<660	<660	<660	<660	<660	<660	<660
1,2,4-trichlorobenzene (isomer)	16	16	34	61 B	118 B	77 B	37 B	21 B	97	97
1,2,4-trichlorobenzene (isomer)	20	19	44	33 B	68 B	79 B	38 B	10 BJ	38	38
1,2,4-trichlorobenzene (isomer)	15 J	15 J	39	29 B	71 B*	93 B*	31 B	6.5 BJ	35	35
1,2,4-trichlorobenzene (isomer)	<21	<21	<21	9 J	17 J	78*	11 J	5.9 J	<21	<21

Continues at end of table.

Appendix A  
 Table 1 (cont)  
 U.S. Army Corps of Engineers Omaha District  
 Seneca Army Depot Activity, Ash Landfill IRM  
 Mid-Project Data Report  
 Preliminary Soil Volatile and Semivolatile Data Summary

Specific Compounds	Sample Identification and Constituent Concentration (ppb)									
	T-B2-16	T-B2-17	T-B2-18	T-B2-19	T-B2-20	T-B3-1	T-B3-2	T-B3-3	T-B3-	
Halogens Chloroethene Dichloroethene Trichloroethene Perchloroethene Perchloroethane	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Volatile Halene Anthrene Anthracene Benzene 2-ethylhexylphthalate mono(1,2,3-CD)pyrene fluoroanthracene Fluorene fluoroanthracene fluoroanthracene**	<660	<660	<660	<660	<660	<660	<660	<660	<660	<660
	77 J	81 J	97 J	94 J	95 J	49 J	46 J	68 J	33 J	33 J
	110 J	120 J	160 J	142 J	148 J	60 J	64 J	79 J	34 J	34 J
	56 J	55 J	79 J	66 J	74 J	34 J	33 J	37 J	<660	<660
	<660	<660	<660	<660	660	<660	<660	<660	<660	<660
	33 J	38 J	<660	33 J	53 J	<660	<660	<660	<660	<660
	18	24	78	88	78	92	46	46	31	31
	6.5 J	33	87	120	97	119	50	61	39	39
	5.2 J	11 J	49	63*	43	41	21 BJ	19 BJ	11 BJ	11 BJ
	<21	6.1 J	22*	27*	22*	15 J*	7.5 J	<21	<21	<21

Continues at end of table.

Appendix A  
 Table 1 (cont)  
 U.S. Army Corps of Engineers Omaha District  
 Seneca Army Depot Activity, Ash Landfill IRM  
 Mid-Project Data Report  
 Preliminary Soil Volatile and Semivolatile Data Summary

Specific Compounds	Sample Identification and Constituent Concentration (ppb)								
	T-B3-5	T-B3-6	T-B3-7	T-B3-8	T-B3-9	T-B4-1	T-B4-2	T-B4-3	T-B4-4
1,1-dichloroethene 1,1-dichloroethane 1,1-dichloroethene 1,1-dichloroethane 1,1-dichloroethene	<11	<11	<12	<11	<11	<11	<11	2 J	2 J
	<11	<11	<12	<11	<11	<11	<11	<11	<11
	<11	<11	<12	<11	<11	<11	<11	<11	<11
	<11	<11	2 BJ	3 BJ	<11	3 BJ	<11	<11	6 J
	<11	<11	<12	<11	<11	2 BJ	<11	<11	<11
1,1-dichloroethene 1,1-dichloroethane 1,1-dichloroethene 1,1-dichloroethane 1,1-dichloroethene 1,1-dichloroethane 1,1-dichloroethene 1,1-dichloroethane 1,1-dichloroethene 1,1-dichloroethane	<660	<660	<660	<660	<660	<660	<660	<660	<660
	<660	<660	<660	43 J	47 J	41 J	37 J	41 J	48 J
	<660	<660	<660	56 J	54 J	39 J	36 J	45 J	58 J
	<660	<660	<660	33 J	<660	<660	<660	<660	<660
	<660	<660	<660	43 JB	<660	<660	<660	106 J	<660
	<660	<660	<660	<660	<660	<660	<660	<660	<660
	17	24	<11	58 B	37 B	47 B	64 B	112 B	99 B
	7.1 J	<12	3.7 JB	85 B	34 B	31 B	98 B	46 B	38 B
	<21	<21	<21	13 J	30	14 J	<21	55	40
	<21	<21	<21	<b>20 J*</b>	7.5 J	6.6 J	<21	<b>18 J*</b>	8.3 J

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Appendix A  
 Table 1 (cont)  
 U.S. Army Corps of Engineers Omaha District  
 Seneca Army Depot Activity, Ash Landfill IRM  
 Mid-Project Data Report  
 Preliminary Soil Volatile and Semivolatile Data Summary

Specific Compounds	Sample Identification and Constituent Concentration (ppb)									
	T-B4-5	T-B4-5 duplicate	T-B4-6	T-B4-7	T-B4-8	T-B4-9	T-B4-10	T-B4-11	T-B4-1	
polychloroethene polychloroethene polychloride polychloride polychloride	<11	<11	<11	<11	<11	<12	<11	<12	<12	<12
	<11	<11	<11	<11	<11	<12	<11	<12	<12	<12
	<11	<11	<11	<11	<11	<12	<11	<12	<12	<12
	4 J	6 J	2 J	<11	<11	<12	<11	<12	<12	<12
	<11	<11	<11	<11	<11	<12	<11	<12	<12	<12
polycyclic aromatic hydrocarbons polycyclic aromatic hydrocarbons polycyclic aromatic hydrocarbons polycyclic aromatic hydrocarbons polycyclic aromatic hydrocarbons polycyclic aromatic hydrocarbons polycyclic aromatic hydrocarbons polycyclic aromatic hydrocarbons polycyclic aromatic hydrocarbons polycyclic aromatic hydrocarbons polycyclic aromatic hydrocarbons	<660	<660	<660	<660	<660	<660	<660	<660	<660	<660
	67 J	55 J	53 J	<660	<660	<660	<660	<660	<660	<660
	74 J	61 J	65 J	<660	<660	<660	<660	<660	<660	<660
	47 J	37 J	36 J	<660	<660	<660	<660	<660	<660	<660
	<660	<660	<660	<660	<660	<660	<660	<660	<660	<660
	<660	<660	<660	<660	<660	<660	<660	<660	<660	<660
	169 B	118 B	77 B	55 B	25 B	5.9 J	6.5 J	5.0 J	5.0 J	5.0 J
	57 B	44 B	28 B	20 B	9.0 JB	<12	4.3 J	<12	<12	<12
	81*	65*	23	20 J	12 J	6.9 J	<21	7.7 JB	7.7 JB	7.7 JB
	44*	24*	11 J	<21	<21	<21	<21	<21	<21	<21

Continues at end of table.

Appendix A  
 Table 1 (cont)  
 U.S. Army Corps of Engineers Omaha District  
 Seneca Army Depot Activity, Ash Landfill IRM  
 Mid-Project Data Report  
 Preliminary Soil Volatile and Semivolatile Data Summary

Specific Compounds	Sample Identification and Constituent Concentration (ppb)								
	T-B4-13	T-B4-14	T-B4-15	T-B4-16	T-B4-17	T-B4-18	T-A1-1	T-A1-1 duplicate	T-A1-1
chloroethene Dichloroethene /l chloride ene ene	<11	<11	<10	<11	<11	<12	<11	<11	<11
	<11	<11	<10	<11	<11	<12	<11	<11	<11
	<11	<11	<10	<11	<11	<12	<11	<11	<11
	2 J	<11	<10	<11	<11	<12	2 J	<11	<11
	<11	<11	<10	<11	<11	<12	<11	<11	<11
alatiles thalene anthrene ranthene ne 2-ethylhexyl)phthalate no(1,2,3-CD)pyrene zo(a)anthracene sene zo(a)pyrene enzo(a,h)anthracene**	<660	<660	<660	<660	<660	<660	<660	<660	<660
	59 J	93 J	123 J	100 J	92 J	73 J	79 J	160 J	120 J
	101 J	143 J	200 J	160 J	150 J	120 J	132 J	150 J	210 J
	48 J	73 J	97 J	140 J	80 J	67 J	70 J	103 J	120 J
	404 J	<660	<660	<660	<660	<660	840	<660	<660
	<660	<660	<660	<660	<660	<660	<660	85 J	<660
	20 B	<b>234 B*</b>	35 B	160 B	170 B	150 B	130 B	170 B	140 B
	48	96	60	66	71	58	61	130	86
	36	<b>70*</b>	<b>122*</b>	<b>79 B*</b>	<b>98 B*</b>	<b>70 B*</b>	<b>68 B*</b>	<b>140 B*</b>	<b>87 B*</b>
	<21	<21	<21	<b>46*</b>	<b>65*</b>	<b>19 J*</b>	<b>20 J*</b>	<b>67*</b>	<b>45*</b>

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Appendix A  
 Table 1 (cont't)  
 U.S. Army Corps of Engineers Omaha District  
 Seneca Army Depot Activity, Ash Landfill IRM  
 Mid-Project Data Report  
 Preliminary Soil Volatile and Semivolatile Data Summary

Site Specific Compounds	Sample Identification and Constituent Concentration (ppb)									
	T-A1-3	T-A1-4	T-A1-5	T-A1-6	T-A1-7	T-A1-8	T-A1-9	T-A1-10		
<u>Volatiles</u>										
Trichloroethene	<10	<11	<11	<11	<10	<12	10 J	<11	<11	
1,2-Dichloroethene	<10	<11	<11	<11	<10	2 J	12	<11	<11	
Vinyl chloride	<10	<11	<11	<11	<10	<12	<11	<11	<11	
Toluene	<10	<11	<11	<11	3 BJ	2 J	<11	<11	<11	
Xylene	<10	<11	<11	<11	2 J	<12	<11	<11	<11	
<u>Semivolatiles</u>										
Naphthalene	<660	<660	<660	<660	56 J	53 J	450 J	77 J		
Phenanthrene	170 J	210 J	180 J	110 J	110 J	110 J	2200	420 J		
Fluoranthene	290 J	480 J	300 J	160 J	99 J	140 J	2500	480 J		
Pyrene	170 J	300 J	190 J	92 J	85 J	140 J	1800	260 J		
Bis(2-ethylhexyl)phthalate	<660	<660	<660	290 J	<660	<660	120 JB	130 J		
Indeno(1,2,3-CD)pyrene	200 J	330 J	220 J	96 J	150 J	210 J	930 J	150 J		
Benzo(a)anthracene	<b>440 B*</b>	96 B	<b>510 B*</b>	180 B	<b>370 B*</b>	<b>350 B*</b>	<b>760 B*</b>	<b>150 B</b>		
Chrysene	280	180	300	110 B	170	170	<b>490 B*</b>	<b>140 B</b>		
Benzo(a)pyrene	<b>330 B*</b>	<b>81 B*</b>	<b>420 B*</b>	<b>110 B*</b>	<b>350 B*</b>	<b>390 B*</b>	<b>800 B*</b>	<b>170 B*</b>		
Dibenzo(a,h)anthracene**	<b>260*</b>	<b>84*</b>	<b>230*</b>	<b>34*</b>	<18	<b>420 B*</b>	<b>400*</b>	<b>89 B*</b>		

Notes:

B -

J -

\*(BOLD) -

\*\* -

Indicates constituent also detected in the associated method blank.

Indicates an estimated value. Concentration above the instrument detection limit (IDL) but below the practical quantitation limit (PQL).

Indicates constituent concentration detected above site specific cleanup levels.

Dibenzo(a,h)anthracene has a PQL of 18 ppb and a method detection limit of 4.5 ppb. Any sample resulting in Dibenzo(a,h)anthracene not detected at the PQL is not considered detected above the site specific cleanup level (14 ppb) at a 95 % confidence level and therefore has not been indicated as such.

Appendix A  
 Table 2  
 U.S. Army Corps of Engineers Omaha District  
 Seneca Army Depot Activity Ash Landfill IRM  
 Mid-Project Data Report  
 Preliminary Soil Toxicity Characteristic Metals Analysis Data Summary

Site Specific Compounds	Sample Identification and Constituent Concentration (ppb)							
	T-B2-M1	T-B2-M2	T-B2-M3	T-B2-M4	T-B2-M5	T-B2-M6	T-B2-M7	T-B2-M8
<u>TCLP Metals</u>								
Arsenic	10	7.0	7.0	7.0	6.0	8.0	7.0	4.0
Barium	840	800	750	700	824	830	714	679
Cadmium	<5.0	<5.0	31	<5.0	<5.0	<10	<5.0	<5.0
Chromium	<10	<10	<10	<10	<10	<10	<10	<10
Lead	240	260	150	200	84	<30	<30	49
Mercury	<0.020	<0.020	<0.020	<0.020	<0.20	<0.20	<0.020	<0.020
Selenium	13	14	13	<30	<30	22	<3.0	<3.0
Silver	<10	<10	<10	<0.20	<0.20	<0.20	<0.30	<0.30

Notes:  
 TCLP - Toxicity Characteristic Leaching Procedure  
 ppb - Parts per billion

Appendix A  
 Table 2 (cont)  
 U.S. Army Corps of Engineers Omaha District  
 Seneca Army Depot Activity Ash Landfill IRM  
 Mid-Project Data Report  
 Preliminary Soil Toxicity Characteristic Metals Analysis Data Summary

Site Specific Compounds	Sample Identification and Constituent Concentration (ppb)							
	T-B3-M9	T-B3-M10	T-B3-M11	T-B3-M12	T-B4-M13	T-B4-M14	T-B4-M15	T-B4-M16
<b>Metals</b>								
Arsenic	10	7.0	7.0	7.0	6.0	8.0	7.0	4.0
Barium	840	800	750	700	824	830	714	679
Cadmium	<5.0	<5.0	31	<5.0	<5.0	<10	<5.0	<5.0
Chromium	<10	<10	<10	<10	<10	<10	<10	<10
Lead	240	260	150	200	84	<30	<30	49
Mercury	<0.020	<0.020	<0.020	<0.020	<0.20	<0.20	<0.020	<0.020
Selenium	13	14	13	<30	<30	22	<3.0	<3.0
Silver	<10	<10	<10	<0.20	<0.20	<0.20	<0.30	<0.30

Notes:  
 TCLP - Toxicity Characteristic Leaching Procedure  
 ppb - Parts per billion



Appendix A  
 .Table 2 (cont)  
 U.S. Army Corps of Engineers Omaha District  
 Seneca Army Depot Activity Ash Landfill IRM  
 Mid-Project Data Report  
 Preliminary Soil Toxicity Characteristic Metals Analysis Data Summary

Site Specific Compounds	Sample Identification and Constituent Concentration (ppb)							
	T-B4-M17	T-B4-M18	EB-B4-18	T-A1-M1	T-A1-M5	T-A1-M2	T-A1-M3	T-A1-M4
<b>Metals</b>								
Arsenic	4.0	<4.0	<4.0	6.0	7.0	8.0	9.0	7.0
Barium	838	898	<20	820	923	1100	986	1105
Cadmium	<10	<10	<10	<10	<10	6	<10	<10
Chromium	<10	<10	<10	<10	<10	<10	<10	<10
Lead	<30	<30	<2.0	61	98	180	66	268
Mercury	<0.020	<0.020	<0.020	<0.020	<0.020	<0.40	<0.020	<0.020
Selenium	<5.0	<3.0	<3.0	<4.0	10	<4.0	<4.0	<4.0
Silver	<0.50	<10	<10	<0.50	<0.50	<0.50	<0.50	<0.50

Notes:  
 TCCLP - Toxicity Characteristic Leaching Procedure  
 ppb - Parts per billion

Appendix A  
 Table 2 (cont)  
 U.S. Army Corps of Engineers Omaha District  
 Seneca Army Depot Activity Ash Landfill IRM  
 Mid-Project Data Report  
 Preliminary Soil Toxicity Characteristic Metals Analysis Data Summary

Site Specific Compounds	Sample Identification and Constituent Concentration (ppb)		
	T-A1-M6	T-A1-M7	T-A1-M8
<u>Metals</u>			
Arsenic	<5.0	<4.0	12
Barium	1030	905	860
Cadmium	<10	<10	<10
Chromium	<10	<10	<10
Lead	214	57	119
Mercury	<0.20	<0.020	<0.02
Selenium	7.0	<5.0	<4.0
Silver	0.90	<10	<10

Notes:  
 TCLP - Toxicity Characteristic Leaching Procedure  
 ppb - Parts per billion

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B1-11

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110

Matrix: (soil/water) SQIL Lab Sample ID: A4648902

Sample wt/vol: 5.12 (g/mL) G Lab File ID: H6328.MSO

Level: (low/med) LOW Date Samp/Recv: 11/12/94 11/14/94

% Moisture: not dec. 5.8 Heated Purge: Y Date Analyzed: 11/17/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/KG</u>	<u>Q</u>
79-01-6-----	Trichloroethene		10	U
540-59-0-----	1,2-Dichloroethene (Total)		10	U
75-01-4-----	Vinyl chloride		10	U
108-86-3-----	Toluene		10	U
1330-20-7-----	Total Xylenes		10	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B1-11

Lab Name: EAS (Kodak) Contract: Seneca Army Depot (IT)  
 Lab Code: 10146 Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No: S94-008  
 Matrix: (soil/water) Soil Lab Sample ID: 0192574  
 Sample wt/vol: Lab File ID: >1B149  
 Level: (low/med) Low Date Received: 11/14/94  
 % Moisture: 14.1 Decanted: (Y/N)N Date Extracted: 11/15/94  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/15/94  
 Injection Volume: 1 (uL) Dilution Factor: 2  
 GPC Cleanup: (Y/N)N pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	660	U
206-44-0	Fluoranthene	660	U
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
56-55-3	Benzo(a)anthracene	31	
218-01-9	Chrysene	33	
50-32-8	Benzo(a)pyrene	26	
53-70-3	Dibenzo(a,h)anthracene	15	J

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-1

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110

Matrix: (soil/water) SOIL Lab Sample ID: A4648903

Sample wt/vol: 5.20 (g/mL) G Lab File ID: H6329.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/13/94 11/14/94

% Moisture: not dec. 9.0 Heated Purge: Y Date Analyzed: 11/18/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		10	U
540-59-0-----	1,2-Dichloroethene (Total)		10	U
75-01-4-----	Vinyl chloride		10	U
108-88-3-----	Toluene		0.1	J
1330-20-7-----	Total Xylenes		10	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B2-1

Lab Name: BAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No: S94-008

Matrix: (soil/water) Soil

Lab Sample ID: 0192575

Sample wt/vol:

Lab File ID: >1B130

Level: (low/med) Low

Date Received: 11/14/94

% Moisture:

Decanted: (Y/N)N

Date Extracted: 11/16/94

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 11/15/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	54	J
206-44-0	Fluoranthene	86	J
129-00-0	Pyrene	61	J
117-91-7	bis (2-Ethylhexyl) phthalate	660	U
193-39-5	Indeno (1,2,3-cd) pyrene	660	U
56-53-3	Benzo (a) anthracene	130	
218-01-9	Chrysene	63	
50-32-8	Benzo (a) pyrene	63	
53-70-3	Dibenzo (a, h) anthracene	32	

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-2

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECN Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110

Matrix: (soil/water) SOIL Lab Sample ID: A4648904

Sample wt/vol: 5.04 (g/mL) G Lab File ID: H6330.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/13/94 11/14/94

% Moisture: not dec. 10.0 Heated Purge: Y Date Analyzed: 11/18/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	2	J
1330-20-7-----	Total Xylenes	11	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B2-2

Lab Name: EAS (Kodak) Contract: Seneca Army Depot (IT)  
Lab Code: 10146 Case No: \_\_\_\_\_ EAS No: \_\_\_\_\_ SDG No: 594-008  
Matrix: (soil/water) Soil Lab Sample ID: 0192576  
sample wt/vol: Lab File ID: >1B151  
Level: (low/mod) Low Date Received: 11/14/94  
% Moisture: Decanted: (Y/N)N Date Extracted: 11/15/94  
Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/15/94  
Injection Volume: 1 (uL) Dilution Factor: 2  
GPC Cleanup: (Y/N)N pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
91-20-3	Naphthalene	650	U
85-01-8	Phenanthrene	54	J
206-44-0	Fluoranthene	94	J
129-00-0	Pyrene	69	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
56-55-3	Benzo(a)anthracene	110	
218-01-6	Chrysene	80	
50-32-8	Benzo(a)pyrene	68	
53-70-3	Dibenzo(a,h)anthracene	40	



ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-3

Lab Name: Regra Environmental Contract: \_\_\_\_\_Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110Matrix: (soil/water) SOIL Lab Sample ID: A4648905Sample wt/vol: 5.05 (g/mL) G Lab File ID: H6331.MSQLevel: (low/med) LOW Date Samp/Recv: 11/13/94 11/14/94% Moisture: not dec. 5.0 Heated Purge: Y Date Analyzed: 11/18/94GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

79-01-6-----	Trichloroethene	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
75-01-4-----	Vinyl chloride	10	U
108-88-3-----	Toluene	10	U
1330-20-7-----	Total Xylenes	10	U

18

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-82-3

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 894-008

Matrix: (soil/water) Soil

Lab Sample ID: 0192577

Sample wt/vol:

Lab File ID: >1B152

Level: (low/med) Low

Date Received: 11/14/94

% Moisture:

Decanted: (Y/N)N

Date Extracted: 11/15/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
81-20-9	Naphthalene	660	U
85-01-8	Phenanthrene	110	J
206-44-0	Fluorethane	110	J
129-00-0	Pyrene	82	J
117-81-7	bis(2-Ethylhexyl) phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
56-55-3	Benzo(a)anthracene	45	
218-01-9	Chrysene	35	
50-32-8	Benzo(a)pyrene	32	
53-70-3	Dibenzo(a,h)anthracene	18	J

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-4

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110

Matrix: (soil/water) SOIL Lab Sample ID: A4648906

Sample wt/vol: 5.09 (g/mL) G Lab File ID: H6332.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/14/94 11/14/94

% Moisture: not dec. 11.8 Heated Purge: Y Date Analyzed: 11/18/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		11	U
540-59-0-----	1,2-Dichloroethene (Total)		11	U
75-01-4-----	Vinyl chloride		11	U
108-88-3-----	Toluene		11	U
1330-20-7-----	Total Xylenes		11	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B2-4

Lab Name: SAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 894-008

Matrix: (soil/water) Soil

Lab Sample ID: 0192578

Sample wt/vol:

Lab File ID: >1B153

Level: (low/med) Low

Date Received: 11/14/94

% Moisture:

Decanted: (Y/N) N

Date Extracted: 11/15/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N) N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	92	J
206-44-0	Fluoranthene	140	J
129-00-0	Pyrene	110	J
117-81-7	bis (2-Ethylhexyl) phthalate	660	U
193-39-6	Indene (1, 2, 3-cd) pyrene	82	J
56-55-3	Benzo (a) anthracene	82	
218-01-9	Chrysene	83	
50-32-8	Benzo (a) pyrene	77	
53-70-3	Dibenzo (a, h) anthracene	42	

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-5

Lab Name: Recre Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110

Matrix: (soil/water) SOIL Lab Sample ID: A4648907

Sample wt/vol: 5.15 (g/mL) G Lab File ID: H6333.MSO

Level: (low/med) LOW Date Samp/Recv: 11/14/94 11/14/94

% Moisture: not dec. 7.5 Heated Purge: Y Date Analyzed: 11/18/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		10	U
540-59-0-----	1,2-Dichloroethene (Total)		10	U
75-01-4-----	Vinyl chloride		10	U
108-88-3-----	Toluene		0.1	J
1330-20-7-----	Total Xylenes		10	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110

Matrix: (soil/water) WATER Lab Sample ID: A4648901

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G1497.MSO

Level: (low/med) LOW Date Samp/Recv: 11/12/94 11/14/94

% Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 11/15/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
79-01-6-----	Trichloroethene	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
75-01-4-----	Vinyl chloride	10	U
108-88-3-----	Toluene	10	U
1330-20-7-----	Total Xylenes	10	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

VBLK29

Lab Name: Recra Environmental Contract: \_\_\_\_\_Lab Code: RECN Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110Matrix: (soil/water) WATER Lab Sample ID: A4E0312402Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G1496.MSOLevel: (low/med) LOW Date Samp/Recv: \_\_\_\_\_% Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 11/15/94GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/L</u>	<u>Q</u>
79-01-6-----	Trichloroethene		1	J
540-59-0-----	1,2-Dichloroethene (Total)		10	U
75-01-4-----	Vinyl chloride		10	U
108-88-3-----	Toluene		1	J
1330-20-7-----	Total Xylenes		10	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

VBLK13

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110

Matrix: (soil/water) SOIL Lab Sample ID: A4B0312702

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6325.MSQ

Level: (low/med) LOW Date Samp/Recv: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 11/17/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
75-01-4-----	Vinyl chloride	10	U
108-88-3-----	Toluene	10	U
1330-20-7-----	Total Xylenes	10	U



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-82-5

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

QAS No: \_\_\_\_\_

SDS No: S94-008

Matrix: (soil/water) Soil

Lab Sample ID: 0192579

Sample wt/vol:

Lab File ID: >18154

Level: (low/med) Low

Date Received: 11/14/94

† Moisture:

Decanted: (Y/N) N

Date Extracted: 11/15/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N) N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	9
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	56	J
206-44-0	Fluoranthene	87	J
129-00-0	Pyrene	64	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
56-55-3	Benzo(a)anthracene	65	
218-01-9	Chrysene	48	
50-32-8	Benzo(a)pyrene	42	
83-70-3	Dibenzo(a,h)anthracene	29	

**CHAIN OF CUSTODY RECORD**  
 SOIL/SOLID MATRIX

LAB 01569

PROJECT: **Surge Army Depot Ash Landfill**

PHASE: **II**

DATE: **11/14/94**

TIME: **1708**

ANALYSTS: **David P. Smith**

DATE: **11/14/94**

TIME: **1710**

ANALYSTS: **David P. Smith**

STATION NO.	DATE	TIME	COMP.	GRAS	SITE NAME	STATION/LOCATION	NO. OF CONTAINERS	ANALYSIS										FIELD REMARKS	ADMS#		
								1 OUNCES	1 OUNCES	1 OUNCES	1 OUNCES	1 OUNCES	1 OUNCES	1 OUNCES	1 OUNCES	1 OUNCES	1 OUNCES			1 OUNCES	1 OUNCES
T-B1-11	11-08-94	1706	✓		TRIP BANK	T-B1-11 (Treated)	1														0192574
T-B2-1	11-08-94	1706	✓			T-B2-1 (Treated)	1														0192575
T-B2-2	11-08-94	1706	✓			T-B2-2 (Treated)	1														0192576
T-B2-3	11-08-94	1706	✓			T-B2-3 (Treated)	1														0192577
T-B2-4	11-08-94	1706	✓			T-B2-4 (Treated)	1														0192578
T-B2-5	11-08-94	1706	✓			T-B2-5 (Treated)	1														0192579

REMARKS - CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT SPECIFIC ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THIS COC.

RELINQUISHED BY (SIGNATURE): **David P. Smith**

DATE: **11/14/94**

TIME: **1708**

RELINQUISHED BY (SIGNATURE): **David P. Smith**

DATE: **11/14/94**

TIME: **1710**

RELINQUISHED BY (SIGNATURE):

DATE:

TIME:

**EASTMAN KODAK COMPANY**  
 PHOTOCOPY, NEW YORK 10007  
 718 224-5000

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-6

Lab Name: Regra Environmental Contract: \_\_\_\_\_  
Lab Code: RRCNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110  
Matrix: (soil/water) SOIL Lab Sample ID: A4651802  
Sample wt/vol: 5.04 (g/mL) @ Lab File ID: H6297.MSO  
Level: (low/med) LOW Date Samp/Recv: 11/14/94 11/15/94  
\* Moisture: not dec. 9.7 Heated Purge: Y Date Analyzed: 11/16/94  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
79-01-6	Trichloroethene	11	U
540-59-0	1,2-Dichloroethene (Total)	11	U
75-01-4	Vinyl chloride	11	U
108-88-3	Toluene	11	U
1330-20-7	Total Xylenes	11	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-6RE

Lab Name: Regra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110

Matrix: (soil/water) SOIL Lab Sample ID: A4651803RI

Sample wt/vol: 5.02 (g/mL) G Lab File ID: H6304.MSO

Level: (low/med) LOW Date Samp/Recv: 11/14/94 11/15/94

% Moisture: not dec. 9.7 Heated Purge: Y Date Analyzed: 11/17/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6	-----Trichloroethene		11	U
540-59-0	-----1,2-Dichloroethene (Total)		11	U
75-01-4	-----Vinyl chloride		11	U
108-88-3	-----Toluene		11	U
1330-20-7	-----Total Xylenes		11	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B2-6

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S94-009

Matrix: (soil/water) Soil

Lab Sample ID: 0192596

Sample wt/vol: 33.4

Lab File ID: &gt;1B162

Level: (low/med) Low

Date Received: 11/15/94

% Moisture: 10.2

Decanted: (Y/N) N

Date Extracted: 11/16/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/17/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N) N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
<b>METHOD: 8270</b>			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	36	J
206-44-0	Fluoranthene	50	J
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
<b>METHOD: 8310</b>			
56-55-3	Benzo(a)anthracene	20	
218-01-9	Chrysene	19	
50-32-8	Benzo(a)pyrene	18	J
53-70-3	Dibenzo(a,h)anthracene	22	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-22-7

Lab Name: Recre Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PT8110

Matrix: (soil/water) SOIL Lab Sample ID: A4651803

Sample wt/vol: 5.14 (g/mL) G Lab File ID: H6298.M80

Level: (low/med) LOW Date Samp/Recv: 11/15/94 11/15/94

\* Moisture: not dec. 11.3 Heated Purge: Y Date Analyzed: 11/16/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethane (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	11	U
1330-20-7-----	Total Xylenes	11	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-7RE

Lab Name: Recra Environmental CONTRACT: \_\_\_\_\_

Lab Code: REONY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110

Matrix: (soil/water) SOIL Lab Sample ID: A4651803RI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6305.MSO

Level: (low/med) LOW Date Samp/Recv: 11/15/94 11/15/94

% Moisture: not dec. 11.1 Heated Purge: Y Date Analyzed: 11/17/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		11	U
540-59-0	1,2-Dichloroethene (Total)		11	U
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		0.9	J
1330-20-7	Total Xylenes		11	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-22-7

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 694-009

Matrix: (soil/water) Soil

Lab Sample ID: 0192597

Sample wt/vol: 34.1

Lab File ID: &gt;1B163

Level: (low/med) Low

Date Received: 11/15/94

% Moisture: 12.1

Decanted: (Y/N) N

Date Extracted: 11/16/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/17/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N) N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8210			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	42	J
206-44-0	Fluoranthene	62	J
129-00-0	Pyrene	43	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	28	
218-01-9	Chrysene	27	
50-32-8	Benzo(a)pyrene	20	J
53-70-3	Dibenzo(a,h)anthracene	22	U



ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-8

Lab Name: Regra Environmental Contract: \_\_\_\_\_

Lab Code: RECNX Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110

Matrix: (soil/water) SOIL Lab Sample ID: A4651804

Sample wt/vol: 5.12 (g/mL) G Lab File ID: H6309.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/15/94 11/15/94

% Moisture: not dec. 11.2 Heated Purge: Y Date Analyzed: 11/17/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPCUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		11	U
540-59-0	1,2-Dichloroethene (Total)		11	U
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		1	J
1330-20-7	Total Xylenes		11	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110

Matrix: (soil/water) WATER Lab Sample ID: A4651801

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: H6295.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/14/94 11/15/94

% Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 11/16/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
79-01-6-----	Trichloroethene		10	U
540-59-0-----	1,2-Dichloroethene (Total)		10	U
75-01-4-----	Vinyl chloride		10	U
108-88-3-----	Toluene		10	U
1330-20-7-----	Total Xylenes		10	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

VBLK11

Lab Name: Recre Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110

Matrix: (soil/water) SOIL Lab Sample ID: A4B0310802

Sample wt/vol: 5.00 (g/mL) g Lab File ID: H6279.MEQ

Level: (low/med) LOW Date Samp/Recv: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 11/16/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		
		(ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		10	U
540-59-0	1,2-Dichloroethane (Total)		10	U
75-01-4	Vinyl chloride		10	U
108-88-3	Toluene		10	U
1330-20-7	Total Xylenes		10	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

VBLK12

Lab Name: Regra Environmental Contract: \_\_\_\_\_  
Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: PTB110  
Matrix: (soil/water) SOIL Lab Sample ID: A4B0310805  
Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6103.MSQ  
Level: (low/med) LOW Date Samp/Recv: \_\_\_\_\_  
% Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 11/17/94  
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		10	U
540-59-0	1,2-Dichloroethene (Total)		10	U
75-01-4	Vinyl chloride		10	U
108-88-3	Toluene		10	U
1330-20-7	Total Xylenes		10	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

VBLK11

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 GAS No.: \_\_\_\_\_ SDG No.: PTB110

Matrix: (soil/water) WATER Lab Sample ID: A4B0310803

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: H6279.MSO

Level: (low/med) LOW Date Samp/Recv: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Heated Purge: X Date Analyzed: 11/16/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L Q
79-01-6	Trichloroethene	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
75-01-4	Vinyl chloride	10	U
108-88-3	Toluene	10	U
1330-20-7	Total Xylenes	10	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B2-8

Lab Name: EAS (Kodak) Contract: Seneca Army Depot (IT)  
 Lab Code: 10146 Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No: S94-009  
 Matrix: (soil/water) Soil Lab Sample ID: 0192598  
 Sample wt/vol: 34.3 Lab File ID: >1B164  
 Level: (low/med) Low Date Received: 11/15/94  
 % Moisture: 12.6 Decanted: (Y/N)N Date Extracted: 11/16/94  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94  
 Injection Volume: 1 (uL) Dilution Factor: 2  
 GPC Cleanup: (Y/N)N pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	33	J
206-44-0	Fluoranthene	42	J
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
56-55-3	Benzo(a)anthracene	29	
218-01-9	Chrysene	17	
50-32-8	Benzo(a)pyrene	17	J
53-70-3	Dibenzo(a,h)anthracene	22	U

**ASB**  
**S94-009**  
**CHAIN OF CUSTODY RECORD**  
**SOIL/SOLID MATRIX**

LEVEL 4 ID NUMBER: **TBD** SITE NAME: **Beneca Army Depot Ashland Ill**  
 ANALYSES/SAMPLING FIRM: **Beneca Army Depot Ashland Ill**  
 OPERATOR: **Viola A. W. Hoff**

TYPE OF CONTAINER	ANALYTES	METHODS	
		8240	8018 (DAD)
4 OUNCE	VOLATILES	8070 + 8240	
4 OUNCE	NON-HALOGENATED VOLATILES	8040	
8 OUNCE	SEMI-VOLATILES + PCB'S/PESTICIDES	6010/7000 SERIES	
4 OUNCE	METALS	8010	
4 OUNCE	CYANIDE	8240	
4 OUNCE	VOLATILES	8015 (DAD)	
40 ML VOA	NON-HALOGENATED VOLATILES		
40 ML VOA			

DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	FIELD REMARKS	ADMS #
				TRIP-BLANK			
11/14/94	20:00	✓		T-B2-10 (Treated)	1		019259
11/15/94	08:30	✓		T-B2-7 (Treated)	1		01925
11/15/94	10:10	✓		T-B2-8 (Treated)	1		019255

CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT HEAD ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THE COC.

BY (SIGNATURE) <i>[Signature]</i>	DATE 11/15/94	TIME 1732	RECEIVED BY (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY (SIGNATURE)
LABORATORY BY (SIGNATURE) <i>[Signature]</i>	DATE 11-15-94	TIME 1935	RELINQUISHED BY (SIGNATURE) <i>[Signature]</i>			

REGULATION: ORIGINAL ACCOMPANIES SHIPMENT, YELLOW COPY TO COORDINATOR FIELD FILES, PINK COPY TO SAMPLER

EASTMAN KODAK COMPANY  
Rochester, New York 14650  
716 722-3397

**EK**  
**Q1**

TURNAL TIME - **3**  
 BUSINESS TIME - **11/18/94**

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-9

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29

Matrix: (soil/water) SOIL Lab Sample ID: A4655302

Sample wt/vol: 5.05 (g/mL) G Lab File ID: H6334.MSO

Level: (low/med) LOW Date Samp/Recv: 11/15/94 11/16/94

% Moisture: not dec. 9.9 Heated Purge: Y Date Analyzed: 11/18/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/KG</u>	<u>Q</u>
79-01-6	Trichloroethene		11	U
540-59-0	1,2-Dichloroethene (Total)		11	U
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		0.1	J
1330-20-7	Total Xylenes		11	U



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B2-9

Lab Name: EAS (Kodak) Contract: Seneca Army Depot (IT)  
 Lab Code: 10146 Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No: S94-010  
 Matrix: (soil/water) Soil Lab Sample ID: 0192645  
 Sample wt/vol: 34.4 Lab File ID: >1B166  
 Level: (low/med) Low Date Received: 11/16/94  
 % Moisture: 12.7 Decanted: (Y/N)N Date Extracted: 11/17/94  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94  
 Injection Volume: 1 (uL) Dilution Factor: 2  
 GPC Cleanup: (Y/N)N pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8210			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	32	J
206-44-0	Fluoranthene	42	J
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	16	
218-01-9	Chrysene	20	
50-32-8	Benzo(a)pyrene	15	J
53-70-3	Dibenzo(a,h)anthracene	21	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-10

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29

Matrix: (soil/water) SOIL Lab Sample ID: A4655303

Sample wt/vol: 5.02 (g/mL) G Lab File ID: H6335.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/16/94 11/16/94

% Moisture: not dec. 9.2 Heated Purge: Y Date Analyzed: 11/18/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	1	J
1330-20-7-----	Total Xylenes	11	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B2-10

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 594-010

Matrix: (soil/water) Soil

Lab Sample ID: 0192646

Sample wt/vol: 34.1

Lab File ID: &gt;1B167

Level: (low/med) Low

Date Received: 11/16/94

% Moisture: 11.9

Decanted: (Y/N) N

Date Extracted: 11/17/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/17/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N) N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8210			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	660	U
206-44-0	Fluoranthene	28	J
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8316			
56-55-3	Benzo(a)anthracene	16	
218-01-9	Chrysene	19	
50-32-8	Benzo(a)pyrene	15	J
53-70-3	Dibenzo(a,h)anthracene	21	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-11

Lab Name: Recra Environmental Contract: \_\_\_\_\_Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29Matrix: (soil/water) SOIL Lab Sample ID: A4655304Sample wt/vol: 5.18 (g/mL) G Lab File ID: H6336.MSCLevel: (low/med) LOW Date Samp/Recv: 11/16/94 11/16/94% Moisture: not dec. 7.6 Heated Purge: Y Date Analyzed: 11/18/94GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		10	U
540-59-0-----	1,2-Dichloroethene (Total)		10	U
75-01-4-----	Vinyl chloride		10	U
108-88-3-----	Toluene		10	U
1330-20-7-----	Total Xylenes		10	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29

Matrix: (soil/water) WATER Lab Sample ID: A4655301

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: H6327.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/15/94 11/16/94

% Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 11/17/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/L</u>	<u>Q</u>
79-01-6-----	Trichloroethene		10	U
540-59-0-----	1,2-Dichloroethene (Total)		10	U
75-01-4-----	Vinyl chloride		10	U
108-88-3-----	Toluene		10	U
1330-20-7-----	Total Xylenes		10	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

VBLK13

Lab Name: Recra Environmental Contract: \_\_\_\_\_Lab Code: RECN Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TR29Matrix: (soil/water) SOIL Lab Sample ID: A4B0312702Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6325.MSQLevel: (low/med) LOW Date Samp/Recv: \_\_\_\_\_% Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 11/17/94GC Column: DB-624 ID: 0.52 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

79-01-6-----	Trichloroethene	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
75-01-4-----	Vinyl chloride	10	U
108-88-3-----	Toluene	10	U
1330-20-7-----	Total Xylenes	10	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

VBLK13

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29

Matrix: (soil/water) WATER Lab Sample ID: A4B0312703

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: H6325.MSQ

Level: (low/med) LOW Date Samp/Recv: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 11/17/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
79-01-6-----	Trichloroethene	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
75-01-4-----	Vinyl chloride	10	U
108-88-3-----	Toluene	10	U
1330-20-7-----	Total Xylenes	10	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B2-11

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 894-010

Matrix: (soil/water) Soil

Lab Sample ID: 0192647

Sample wt/vol: 33.0

Lab File ID: &gt;1B168

Level: (low/med) Low

Date Received: 11/16/94

% Moisture: 9.2

Decanted: (Y/N)N

Date Extracted: 11/17/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/17/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8210			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	39	J
206-44-0	Fluoranthene	59	J
129-00-0	Pyrene	37	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	34	
218-01-9	Chrysene	44	
50-32-8	Benzo(a)pyrene	39	
53-70-3	Dibenzo(a,h)anthracene	21	U



S94-010

# CHAIN OF CUSTODY RECORD SOIL/SOLID MATRIX

LEVEL 4 ID NUMBER: TBD SITE NAME: Phase II  
Beneca Army Depot Ash-landfill  
 PRE-SAMPLING FROM: 11-21-94  
 TIME COMP. GRAB

STATION LOCATION

NO. OF CONTAINERS: 1  
T-Ba-9 (treated)  
T-Ba-10 (treated)  
T-Ba-11 (treated)

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METHODS	ANALYTES		TYPE OF CONTAINER	FIELD REMARKS	ACMS #
	ANALYTES AND SPECIES	QUANTITY			
8240	ANALYTES	4 OUNCE	1		0192645
8240	NON-HALOGENATED VOLATILES	4 OUNCE	1		0192646
8270 + 8240	SEMI-VOLATILES	4 OUNCE	1		0192647
8270 + 8240	FORBESSTUDIOS	4 OUNCE	1		
8240	METALS	4 OUNCE	1		
8240	CYANIDE	4 OUNCE	1		
8010/8000 SERIES	NON-HALOGENATED VOLATILES	40 ML. VOA	1		
8240	NON-HALOGENATED VOLATILES	40 ML. VOA	1		
8240	NON-HALOGENATED VOLATILES	40 ML. VOA	1		

TURNAROUND TIME - 3 BUSINESS DAYS

11-21-94

CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT DEAG ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THIS COSC

SIGNATURE: [Signature] DATE: 11/16/94 TIME: 1721

RECEIVED BY SIGNATURE: Shari Kotka

DATE: 11-16-94 TIME: 1918

LABORATORY SIGNATURE: Kotka

RELINQUISHED BY SIGNATURE

DATE

RECEIVED BY SIGNATURE



EASTMAN KODAK COMPANY  
Rochester, New York 14640  
716 722-5367

NOTATION: ORIGINAL ACCOMPANIES SHIPMENT. YELLOW COPY TO COORDINATOR FIELD FILES, PINK COPY TO SAMPLER

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B2-12

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code:10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No:S94-011

Matrix: (soil/water) Soil

Lab Sample ID: 0192689

Sample wt/vol: 32.1

Lab File ID: >3B087

Level: (low/med)Low

Date Received: 11/17/94

% Moisture: 6.5

Decanted: (Y/N)N

Date Extracted: 11/18/94

Concentrated Extract Volume:1000(uL)

Date Analyzed: 11/21/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	110	J
206-44-0	Fluoranthene	184	J
129-00-0	Pyrene	80	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
56-55-3	Benzo(a)anthracene	61	
218-01-9	Chrysene	33	
50-32-8	Benzo(a)pyrene	29	
53-70-3	Dibenzo(a,h)anthracene	9.0	J

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

0019

Client No.

T-B2-12-DUP

Co Name: Regra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29

Matrix: (soil/water) SOIL Lab Sample ID: A4659902FD

Sample wt/vol: 5.11 (g/mL) G Lab File ID: G1545.MSO

Level: (low/med) LOW Date Samp/Recv: 11/17/94 11/17/94

% Moisture: not dec. 8.5 Heated Purge: Y Date Analyzed: 11/18/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG 0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	0
79-01-6	Trichloroethene		11	U
540-59-0	1,2-Dichloroethene (Total)		11	U
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		11	U
1330-20-7	Total Xylenes		11	U

**PRELIMINARY**

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.  
T-B2-12-DUP

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDC No: S94-011

Matrix: (soil/water) Soil

Lab Sample ID: 0192692

Sample wt/vol: 32.0

Lab File ID: &gt;3B090

Level: (low/med) Low

Date Received: 11/17/94

% Moisture: 6.3

Decanted: (Y/N)N

Date Extracted: 11/18/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 11/21/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
<b>METHOD 8210</b>			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	130	J
206-44-0	Fluoranthene	230	J
129-00-0	Pyrene	100	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
<b>METHOD 8310</b>			
56-55-3	Benzo(a)anthracene	118	
218-01-9	Chrysene	68	
50-32-8	Benzo(a)pyrene	71	
53-70-3	Dibenzo(a,h)anthracene	17	J

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

**0020**  
Client No.

T-B2-13

Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNX Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TR29

Matrix: (soil/water) SOIL Lab Sample ID: A4659903

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1541.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/17/94 11/17/94

Moisture: not dec. 7.8 Heated Purge: Y Date Analyzed: 11/18/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		11	U
540-59-0	1,2-Dichloroethene (Total)		11	U
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		11	U
1330-20-7	Total Xylenes		11	U

**PRELIMINARY**

18  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B2-13

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

EAS No: \_\_\_\_\_

SDG No: 894-011

Matrix: (soil/water) Soil

Lab Sample ID: 0192690

Sample wt/vol: 31.0

Lab File ID: &gt;3B088

Level: (low/med) Low

Date Received: 11/17/94

% Moisture: 3.2

Decanted: (Y/N) N

Date Extracted: 11/18/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N) N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	91	J
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	74	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	48	J
56-55-3	Benzo(a)anthracene	77	
218-01-9	Chrysene	79	
50-32-8	Benzo(a)pyrene	93	
53-70-3	Dibenzo(a,h)anthracene	78	

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

**0021**  
Client No.

T-B2-14

Client Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TR29

Matrix: (soil/water) SOIL Lab Sample ID: A4659904

Sample wt/vol: 5.05 (g/mL) G Lab File ID: G1544.MSO

Level: (low/med) LOW Date Samp/Recv: 11/17/94 11/17/94

Moisture: not dec. 8.6 Heated Purge: Y Date Analyzed: 11/18/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
79-01-6	Trichloroethene	11	U
540-59-0	1,2-Dichloroethane (Total)	11	U
75-01-4	Vinyl chloride	11	U
108-88-3	Toluene	11	U
1330-20-7	Total Xylenes	11	U

**PRELIMINARY**

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B2-14

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S94-011

Matrix: (soil/water) Soil

Lab Sample ID: 0192691

Sample wt/vol: 32.6

Lab File ID: &gt;3B089

Level: (low/med) Low

Date Received: 11/17/94

% Moisture: 8.0

Decanted: (Y/N) N

Date Extracted: 11/18/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N) N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	70	J
206-44-0	Fluoranthene	94	J
129-00-0	Pyrene	43	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
56-55-3	Benzo(a)anthracene	37	
218-01-9	Chrysene	38	
50-32-8	Benzo(a)pyrene	31	
53-70-3	Dibenzo(a,h)anthracene	11	J



ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

0013

Client No.

C-SB-129R

Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29

Matrix: (soil/water) SOIL Lab Sample ID: A4659908

Sample wt/vol: 5.01 (g/mL) G Lab File ID: G1543.M90

Level: (low/med) LOW Date Samp/Recv: 11/17/94 11/17/94

% Moisture: not dec. 13.1 Heated Purge: Y Date Analyzed: 11/18/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		15	B
540-59-0	1,2-Dichloroethene (Total)		47	
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		11	U
1330-20-7	Total Xylenes		11	U

**PRELIMINARY**

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

C-SB-129R

Lab Name: EAS (Kodak) Contract: Seneca Army Depot (IT)  
 Lab Code: 10146 Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No: S94-011  
 Matrix: (soil/water) Soil Lab Sample ID: 0192694  
 Sample wt/vol: 34.6 Lab File ID: >3B091  
 Level: (low/med) Low Date Received: 11/17/94  
 % Moisture: 13.4 Decanted: (Y/N)N Date Extracted: 11/18/94  
 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 11/21/94  
 Injection Volume: 1 (uL) Dilution Factor: 2  
 GPC Cleanup: (Y/N)N pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	130	J
206-44-0	Fluoranthene	230	J
129-00-0	Pyrene	100	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	21	
218-01-9	Chrysene	10	J
50-32-9	Benzo(a)pyrene	6.5	J
53-70-3	Dibenzo(a,h)anthracene	5.9	J

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-15 (TREAT SOIL)

Job Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECN Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29

Matrix: (soil/water) SOIL Lab Sample ID: A4664202

Sample wt/vol: 5.11 (g/mL) G Lab File ID: G1563.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/17/94 11/18/94

Moisture: not dec. 10.4 Heated Purge: Y Date Analyzed: 11/21/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		11	U
540-59-0-----	1,2-Dichloroethene (Total)		11	U
75-01-4-----	Vinyl chloride		11	U
108-88-3-----	Toluene		11	U
1330-20-7-----	Total Xylenes		11	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29

Matrix: (soil/water) WATER Lab Sample ID: A4664201

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G1552.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/17/94 11/18/94

Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 11/21/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
79-01-6	Trichloroethene		0.3	BJ
540-59-0	1,2-Dichloroethene (Total)		10	U
75-01-4	Vinyl chloride		10	U
108-88-3	Toluene		2	BJ
1330-20-7	Total Xylenes		10	U

1B

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B2-15 (Treated)

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 594-012

Matrix: (soil/water) Soil

Lab Sample ID: 0192792

Sample wt/vol: 34.1 g

Lab File ID:

Level: (low/med) Low

Date Received: 11-18-94

% Moisture: 12.1 Decanted: (Y/N)N

Date Extracted: 11-21-94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11-22-94

Injection Volume: 1 (uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
91-20-3	Naphthalene	660	4
85-01-8	Phenanthrene	78	J
206-44-0	Fluoranthene	106	J
129-00-0	Pyrene	55	J
117-81-7	bis (2-Ethylhexyl) phthalate	660	4
193-39-5	Indeno (1,2,3-cd) pyrene	660	4
56-55-3	Benzo (a) anthracene	97	
218-01-9	Chrysene	38	
50-32-8	Benzo (a) pyrene	35	
53-70-3	Dibenzo (a,h) anthracene	21	4

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-16 (TREAT SOIL)

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29

Matrix: (soil/water) SOIL Lab Sample ID: A4664203

Sample wt/vol: 5.09 (g/mL) G Lab File ID: G1564.MSQ

Level: (Low/med) LOW Date Samp/Recv: 11/18/94 11/18/94

Moisture: not dec. 8.0 Heated Purge: Y Date Analyzed: 11/22/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		11	U
540-59-0-----	1,2-Dichloroethene (Total)		11	U
75-01-4-----	Vinyl chloride		11	U
108-98-3-----	Toluene		11	U
1330-20-7-----	Total Xylenes		11	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

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Lab Name: Recra Environmental Contract: \_\_\_\_\_Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29Matrix: (soil/water) WATER Lab Sample ID: A4667401Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G1554.MSQLevel: (low/med) LOW Date Samp/Recv: 11/18/94 11/21/94Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 11/21/94GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		
		(ug/L or ug/Kg)	UG/L	
79-01-6------	Trichloroethene		10	U
540-59-0------	1,2-Dichloroethene (Total)		10	U
75-01-4------	Vinyl chloride		10	U
108-88-3------	Toluene		10	U
1330-20-7------	Total Xylenes		10	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

**FB 2-16 (Iron)**

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: **5 94-02**

Matrix: (soil/water) Soil

Lab Sample ID: **0192793**

Sample wt/vol: **33.5 g**

Lab File ID:--

Level: (low/med) Low

Date Received: **11-18-94**

% Moisture: **10.5** Decanted: (Y/N)N

Date Extracted: **11-21-94**

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: **11-22-94**

Injection Volume: 1 (uL)

Dilution Factor: **2**

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	77	J
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	56	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	33	J
56-55-3	Benzo(a)anthracene	18	
218-01-9	Chrysene	6.5	J
50-32-8	Benzo(a)pyrene	5.2	J
53-70-3	Dibenzo(a,h)anthracene	21	U





# CHAIN OF CUSTODY RECORD

## SOIL/SOLID MATRIX

S 44-012

JOB # 5768  
 LEVEL 4 ID NUMBER T6D  
 SITE NAME ~~PHASE II~~  
 SURGEA Army Depot Fish-land fill

LABORATORY SIGNATURE/SAMPLING FIRM  
 Patricia A. White

NO. OF CONTAINERS

STATION LOCATION

DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	ANALYTES	METHODS	FIELD REMARKS
				TRIP-BLANK		ANALYTES: PCB/PCP/STPC/DBP NON-HALOGENATED VOLATILES	8015 (PAH) 8010 8017000 SERIES 8030 8210 + 8210 8015 (PAH) 8040	
11-17-94	1541	✓		T-B2-15 (treated)	1	ANALYTES: PCB/PCP/STPC/DBP NON-HALOGENATED VOLATILES	8015 (PAH) 8010 8017000 SERIES 8030 8210 + 8210 8015 (PAH) 8040	0192
11-18-94	0830	✓		T-B2-16 (treated)	1	ANALYTES: PCB/PCP/STPC/DBP NON-HALOGENATED VOLATILES	8015 (PAH) 8010 8017000 SERIES 8030 8210 + 8210 8015 (PAH) 8040	0192

OPTIONS - CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT BEAS ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THIS COC

RELINQUISHED BY (SIGNATURE) *Patricia A. White* DATE 11-18-94 TIME 1800 RECEIVED BY (SIGNATURE) \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

RECEIVED FOR LABORATORY BY (SIGNATURE) *Patricia A. White* DATE 11/18/94 TIME 1915

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EASTMAN KODAK COMPANY  
 Rochester, New York 14650  
 716 722-3857

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-17

Site Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29

Matrix: (soil/water) SOIL Lab Sample ID: A4667402

Sample wt/vol: 5.08 (g/mL) G Lab File ID: G1558.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/18/94 11/21/94

Moisture: not dec. 11.1 Heated Purge: Y Date Analyzed: 11/21/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	11	U
1330-20-7-----	Total Xylenes	11	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-82-17 treated

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code:10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No:594-013

Matrix:(soil/water) Soil

Lab Sample ID: 0192794

Sample wt/vol: 33.5 g

Lab File ID:

Level: (low/med)Low

Date Received: 11-21-94

% Moisture: 10

Decanted: (Y/N)N

Date Extracted: 11-22-94

Concentrated Extract Volume:1000(uL)

Date Analyzed: 11-23-94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
91-20-3	Naphthalene	660	4
85-01-8	Phenanthrene	81	J
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	55	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	4
193-39-5	Indeno(1,2,3-cd)pyrene	38	J
56-55-3	Benzo(a)anthracene	24	
218-01-9	Chrysene	33	
50-32-8	Benzo(a)pyrene	11	J
53-70-3	Dibenzo(a,h)anthracene	6.1	J



894.013

## CHAIN OF CUSTODY RECORD

### SOIL/SOLID MATRIX

AS JOB # **1568** LEVEL # ID NUMBER **SEDA - ASHLAND FILL PHASE II**

SAMPLERS (SIGNATURE) *Eric Stetler*

STATION NO. *Eric Stetler* STATION LOCATION *Adriana A. Wash*

NO. OF CONTAINERS

TYPE OF EQUIPMENT

STATION NO.	LATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TYPE OF EQUIPMENT	ANALYTES	4 OUNCE	8 OUNCE	4 OUNCE	4 OUNCE	4 OUNCE	40 ML. VOA	40 ML. VOA	NON-HALOGENATED VOLATILES	NON-HALOGENATED VOLATILES	40 ML. VOA	40 ML. VOA	NON-HALOGENATED VOLATILES	FIELD REMARKS
					TRIP-BLANK																
-B2-17	11/18/94	2058	✓		T-B2-17 (treated soil)	1			1												0192
-B2-18	11/19/94	0650	✓		T-B2-18 (treated soil)	1			1												0192
-B2-19	11/19/94	2147	✓		T-B2-19 (treated soil)	1			1												0192
-B2-20	11/20/94	0610	✓		T-B2-20 (treated soil)	1			1												0192
-B3-1	11/20/94	1505	✓		T-B3-1 (treated soil)	1			1												0192

REMARKS - CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT REAC ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THIS COC.

UNOBTAINED BY (SIGNATURE) <i>Eric Stetler</i>	DATE 11-21-94	TIME 0700	RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY
RECEIVED FOR LABORATORY BY (SIGNATURE) <i>Harvey R. Shurt</i>	DATE 11-21-94	TIME 0905	RECEIVED BY (SIGNATURE)			

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EASTMAN KODAK COMPANY  
Rochester, New York 14650  
716 722-3357

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-18

Job Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECN Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29

Matrix: (soil/water) SOIL Lab Sample ID: A4667403

Sample wt/vol: 5.03 (g/mL) G Lab File ID: G1559.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/19/94 11/21/94

Moisture: not dec. 12.5 Heated Purge: Y Date Analyzed: 11/21/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
79-01-6	Trichloroethene	11	U
540-59-0	1,2-Dichloroethene (Total)	11	U
75-01-4	Vinyl chloride	11	U
108-88-3	Toluene	11	U
1330-20-7	Total Xylenes	11	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B2-18

7/ventel

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S 94-013

Matrix: (soil/water) Soil

Lab Sample ID: 0192795

Sample wt/vol: 33.8 g

Lab File ID:

Level: (low/med) Low

Date Received: 11-21-94

% Moisture: 12.6 Decanted: (Y/N)N

Date Extracted: 11-22-94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11-23-94

Injection Volume: 1 (uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	97	J
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	79	J
117-81-7	bis(2-Ethylhexyl)phthalate	666	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
56-55-3	Benzo(a)anthracene	78	
218-01-9	Chrysene	87	
50-32-8	Benzo(a)pyrene	49	
53-70-3	Dibenzo(a,h)anthracene	22	

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-19

Co Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECN Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29

Matrix: (soil/water) SOIL Lab Sample ID: A4667405

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1560.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/19/94 11/21/94

Moisture: not dec. 9.3 Heated Purge: Y Date Analyzed: 11/21/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		11	U
540-59-0	1,2-Dichloroethene (Total)		11	U
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		11	U
1330-20-7	Total xylenes		11	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-82-19 Treated

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S 94-013

Matrix: (soil/water) Soil

Lab Sample ID: 0192796

Sample wt/vol: 32.6 - g

Lab File ID:

Level: (low/med) Low

Date Received: 11-21-94

% Moisture: 8.6 Decanted: (Y/N)N

Date Extracted: 11-22-94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11-23-99

Injection Volume: 1 (uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
91-20-3	Naphthalene	660	4
85-01-8	Phenanthrene	94	J
206-44-0	Fluoranthene	142	J
129-00-0	Pyrene	66	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	4
193-39-5	Indeno(1,2,3-cd)pyrene	33	J
56-55-3	Benzo(a)anthracene	88	
218-01-9	Chrysene	120	
50-32-8	Benzo(a)pyrene	63	
53-70-3	Dibenzo(a,h)anthracene	27	



ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B2-20

Job Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECN Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29

Matrix: (soil/water) SOIL Lab Sample ID: A4667406

Sample wt/vol: 5.09 (g/mL) G Lab File ID: G1561.MSO

Level: (low/med) LOW Date Samp/Recv: 11/20/94 11/21/94

Moisture: not dec. 10.8 Heated Purge: Y Date Analyzed: 11/21/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6-6	Trichloroethene		11	U
540-59-0-0	1,2-Dichloroethene (Total)		11	U
75-01-4-4	Vinyl chloride		11	U
108-88-3-3	Toluene		2	BJ
1330-20-7-7	Total Xylenes		11	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B2-20 Treated

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S 94-013

Matrix: (soil/water) Soil

Lab Sample ID: 0192797

Sample wt/vol: 33.5 - 8

Lab File ID:

Level: (low/med) Low

Date Received: 11-21-94

% Moisture: 11.8 Decanted: (Y/N)N

Date Extracted: 11-22-94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11-23-99

Injection Volume: 1 (uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
91-20-3	Naphthalene	660	4
85-01-8	Phenanthrene	95	J
206-44-0	Fluoranthene	148	J
129-00-0	Pyrene	74	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	4
193-39-5	Indeno(1,2,3-cd)pyrene	53	J
56-55-3	Benzo(a)anthracene	78	
218-01-9	Chrysene	97	
50-32-8	Benzo(a)pyrene	43	
53-70-3	Dibenzo(a,h)anthracene	22	

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B3-1

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB29

Matrix: (soil/water) SOIL Lab Sample ID: A4667407

Sample wt/vol: 5.17 (g/mL) G Lab File ID: G1566.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/20/94 11/21/94

% Moisture: not dec. 9.6 Heated Purge: Y Date Analyzed: 11/22/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		11	U
540-59-0	1,2-Dichloroethene (Total)		11	U
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		11	U
1330-20-7	Total Xylenes		11	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B3-1

Treated

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S 94-013

Matrix: (soil/water) Soil

Lab Sample ID: 0192798

Sample wt/vol: 32.8 g

Lab File ID:

Level: (low/med) Low

Date Received: 11-21-94

% Moisture: 9.2 Decanted: (Y/N)N

Date Extracted: 11-22-94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11-23-94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	49	J
206-44-0	Fluoranthene	60	J
129-00-0	Pyrene	34	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
56-55-3	Benzo(a)anthracene	92	
218-01-9	Chrysene	119	
50-32-8	Benzo(a)pyrene	41	
53-70-3	Dibenzo(a,h)anthracene	15	J

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B3-2

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECN Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4671202

Sample wt/vol: 5.07 (g/mL) G Lab File ID: G1576.MSO

Level: (low/med) LOW Date Samp/Recv: 11/20/94 11/21/94

% Moisture: not dec. 10.5 Heated Purge: Y Date Analyzed: 11/22/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		11	U
540-59-0-----	1,2-Dichloroethene (Total)		11	U
75-01-4-----	Vinyl chloride		11	U
108-88-3-----	Toluene		3	BJ
1330-20-7-----	Total Xylenes		11	U

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

VBLK33

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4B0326902

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1571.MSO

Level: (low/med) LOW Date Samp/Recv: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 11/22/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	Q
79-01-6-----	Trichloroethene	1	J
540-59-0-----	1,2-Dichloroethene (Total)	10	U
75-01-4-----	Vinyl chloride	10	U
108-88-3-----	Toluene	2	J
1330-20-7-----	Total Xylenes	10	U

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

VBLK33

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) WATER Lab Sample ID: A4B0326903

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G1571.MSQ

Level: (low/med) LOW Date Samp/Recv: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 11/22/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
79-01-6-----	Trichloroethene	1	J
540-59-0-----	1,2-Dichloroethene (Total)	10	U
75-01-4-----	Vinyl chloride	10	U
108-88-3-----	Toluene	2	J
1330-20-7-----	Total Xylenes	10	U

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) WATER Lab Sample ID: A4671201

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G1574.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/19/94 11/21/94

% Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 11/22/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/L</u>	Q
79-01-6-----	Trichloroethene		1	BJ
540-59-0-----	1,2-Dichloroethene (Total)		10	U
75-01-4-----	Vinyl chloride		10	U
108-88-3-----	Toluene		4	BJ
1330-20-7-----	Total Xylenes		10	U

**PRELIMINARY**



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B3-2 Treated

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S 94-0134

Matrix: (soil/water) Soil

Lab Sample ID: 0192859

Sample wt/vol: 32.8 g

Lab File ID:

Level: (low/med) Low

Date Received: 11-21-94

% Moisture: 9.2 Decanted: (Y/N)N

Date Extracted: 11-22-94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11-23-94

Injection Volume: 1 (uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or (ug/Kg)	
91-20-3	Naphthalene	660	4
85-01-8	Phenanthrene	46	J
206-44-0	Fluoranthene	69	J
129-00-0	Pyrene	33	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	4
193-39-5	Indeno(1,2,3-cd)pyrene	660	4
56-55-3	Benzo(a)anthracene	46	
218-01-9	Chrysene	50	
50-32-8	Benzo(a)pyrene	21	J
53-70-3	Dibenzo(a,h)anthracene	7.5	J

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B3-3

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4671203

Sample wt/vol: 5.13 (g/mL) G Lab File ID: G1579.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/21/94 11/21/94

% Moisture: not dec. 7.0 Heated Purge: Y Date Analyzed: 11/22/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		0.1	BJ
540-59-0-----	1,2-Dichloroethene (Total)		10	U
75-01-4-----	Vinyl chloride		10	U
108-88-3-----	Toluene		4	BJ
1330-20-7-----	Total Xylenes		2	J

PRELIMINARY

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

**7-83-3** *Treated*

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: **594-014**

Matrix: (soil/water) Soil

Lab Sample ID: **0192860**

Sample wt/vol:

Lab File ID:

Level: (low/med) Low

Date Received: **11-21-94**

% Moisture: **8.8** Decanted: (Y/N)N

Date Extracted: **11-22-94**

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: **11-23-94**

Injection Volume: 1 (uL)

Dilution Factor: **2**

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
91-20-3	Naphthalene	660	4
85-01-8	Phenanthrene	68	J
206-44-0	Fluoranthene	79	J
129-00-0	Pyrene	37	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	4
193-39-5	Indeno(1,2,3-cd)pyrene	660	4
56-55-3	Benzo(a)anthracene	46	
218-01-9	Chrysene	61	
50-32-8	Benzo(a)pyrene	19	J
53-70-3	Dibenzo(a,h)anthracene	21	4

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B3-4

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4671205

Sample wt/vol: 5.06 (g/mL) G Lab File ID: G1578.MSO

Level: (low/med) LOW Date Samp/Recv: 11/21/94 11/21/94

% Moisture: not dec. 13.0 Heated Purge: Y Date Analyzed: 11/22/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	11	U
1330-20-7-----	Total Xylenes	11	U

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B3-4RE

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECN Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4671205RI

Sample wt/vol: 5.03 (g/mL) G Lab File ID: G1580.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/21/94 11/21/94

% Moisture: not dec. 13.0 Heated Furge: Y Date Analyzed: 11/22/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	11	U
1330-20-7-----	Total Xylenes	11	U

PRELIMINARY

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-83-4 Treated

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 594-014

Matrix: (soil/water) Soil

Lab Sample ID: 0192861

Sample wt/vol: 34.3 g

Lab File ID:

Level: (low/med) Low

Date Received: 11-21-94

% Moisture: 12.6 Decanted: (Y/N)N

Date Extracted: 11-22-94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11-23-94

Injection Volume: 1 (uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	
91-20-3	Naphthalene	660	4
85-01-8	Phenanthrene	33	J
206-44-0	Fluoranthene	34	J
129-00-0	Pyrene	660	4
117-81-7	bis(2-Ethylhexyl) phthalate	660	4
193-39-5	Indeno(1,2,3-cd)pyrene	660	4
56-55-3	Benzo(a)anthracene	31	
218-01-9	Chrysene	39	
50-32-8	Benzo(a)pyrene	11	J
53-70-3	Dibenzo(a,h)anthracene	21	4



594-014

# CHAIN OF CUSTODY RECORD SOIL/SOLID MATRIX

LEVEL 4 ID NUMBER: 568  
SITE NAME: SEDA ASHLANDFILL PHASE II  
ANALYSTS: SPECIFY TCS & SITE SPECIFICS

LABORATORY SIGNATURE/SAMPLING FIRM: EIC / IT Corp  
STATION ID: TRIP-BLANK  
STATION LOCATION: TRIP-BLANK

STATION ID	L-DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS
B3-2	11-20-94	2305	✓		T-B3-2 (treated soil)	1
B3-3	11-21-94	1030	✓		T-B3-3 (treated soil)	1
B3-4	11-21-94	1645	✓		T-B3-4 (treated soil)	1

METHODS	ANALYTES		4 OUNCE	8 OUNCE	4 OUNCE	4 OUNCE	4 OUNCE	40 ML VOA	40 ML VOA	40 ML VOA	FIELD REMARKS	AC
	NON-HALOGENATED VOLATILES	HALOGENATED VOLATILES										
8240	ANALYTES											
8015 (DAI)	POST-PESTICIDES											
8270-1 & 8240	METALS											
8090	CYANIDE											
8070/8000 SERIES	NON-HALOGENATED VOLATILES											
8940	HALOGENATED VOLATILES											
8015 (DAI)	NON-HALOGENATED VOLATILES											
8940	NON-HALOGENATED VOLATILES											

REMARKS - CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT BEAC ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THIS COC.

NOTIFIED BY (SIGNATURE): *M. Smith* DATE: 11-21-94 TIME: 1745  
 RECEIVED FOR LABORATORY BY (SIGNATURE): *J. Smith* DATE: 11/21/94 TIME: 1930

RELINQUISHED BY (SIGNATURE): \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
 RECEIVED BY (SIGNATURE): \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

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Rochester, New York 14650  
716 722-3367



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B3-5

Lab Name: EAS (Kodak) Contract: Seneca Army Depot (IT)  
 Lab Code: 10146 Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No: S94-017  
 Matrix: (soil/water) Soil Lab Sample ID: 0193095  
 Sample wt/vol: 33.2 g Lab File ID: >3B162  
 Level: (low/med) Low Date Received: 11/23/94  
 % Moisture: 9.6 Decanted: (Y/N)N Date Extracted: 11/29/94  
 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 11/29/94  
 Injection Volume: 1 (uL) Dilution Factor: 2  
 GPC Cleanup: (Y/N)N pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8270			
91-20-3	Napthalene	660	U
85-01-3	Phenanthrene	660	U
206-44-0	Fluoranthene	660	U
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
55-55-3	Benzo(a)anthracene	17	
218-01-9	Chrysene	7.1	J
50-32-8	Benzo(a)pyrene	21	U
53-70-3	Dibenzo(a,h)anthracene	21	U



Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4680902

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6444.MSO

Level: (low/med) LOW Date Samp/Recv: 11/23/94 11/23/94

% Moisture: not dec. 11.1 Heated Purge: Y Date Analyzed: 11/26/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		11	U
540-59-0-----	1,2-Dichloroethene (Total)		11	U
75-01-4-----	Vinyl chloride		11	U
108-88-3-----	Toluene		11	U
1330-20-7-----	Total Xylenes		11	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B3-5 RE

ab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4680902RI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6482.MSO

Level: (low/med) LOW Date Samp/Recv: 11/23/94 11/23/94

% Moisture: not dec. 11.1 Heated Purge: Y Date Analyzed: 11/29/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

79-01-6------	Trichloroethene	11	U
540-59-0------	1,2-Dichloroethene (Total)	11	U
75-01-4------	Vinyl chloride	11	U
108-88-3------	Toluene	11	U
1330-20-7------	Total Xylenes	11	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B3-6

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TE32

Matrix: (soil/water) SOIL Lab Sample ID: A4680904

Sample wt/vol: 5.10 (g/mL) G Lab File ID: H6483.MSO

Level: (low/med) LOW Date Samp/Recv: 11/23/94 11/23/94

% Moisture: not dec. 12.0 Heated Purge: Y Date Analyzed: 11/29/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	11	U
1330-20-7-----	Total Xylenes	11	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANKS

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) WATER Lab Sample ID: A4680901

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: H6442.MSO

Level: (low/med) LOW Date Samp/Recv: 11/23/94 11/23/94

\* Moisture: not dec. \_\_\_\_\_ Heated Purge: N Date Analyzed: 11/26/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
79-01-6-----	Trichloroethene		10	U
540-59-0-----	1,2-Dichloroethene (Total)		10	U
75-01-4-----	Vinyl chloride		10	U
108-88-3-----	Toluene		0.6	J
1330-20-7-----	Total Xylenes		10	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B3-6

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S94-017

Matrix: (soil/water) Soil

Lab Sample ID: 0193096

Sample wt/vol: 35.1 g

Lab File ID: &gt;3B163

Level: (low/med) Low

Date Received: 11/23/94

% Moisture: 14.5

Decanted: (Y/N) N

Date Extracted: 11/29/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 11/29/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N) N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	660	U
206-44-0	Fluoranthene	660	U
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	24	
218-01-9	Chrysene	12	U
50-32-8	Benzo(a)pyrene	21	U
53-70-3	Dibenzo(a,h)anthracene	21	U



# CHAIN OF CUSTODY RECORD

## SOIL/SOLID MATRIX

894-015

PROJECT NO. F	LEVEL 4 ID NUMBER	SITE NAME
1758		SEDA ASHLANDFILL PHASE II

ANALYZERS (SIGNATURE) SAMPLING FIRM	STATION LOCATION
Eric Williams / Evi Water / IT Corp	

ANALYZES	NO. OF CONTAINERS	FIELD REMARKS	DATE	TIME	COMP.	GRAB
ANALYZES	4 OUNCE					
NON-HALOGENATED SOLIDS	4 OUNCE					
SEMI-SOLIDS	4 OUNCE					
METALS	4 OUNCE					
ORGANIC COMPOUNDS	4 OUNCE					
40 ML. VOA	2					
40 ML. VOA	2					
NON-HALOGENATED VOLATILES						
VOLATILES						
SEMI-VOLATILES						
40 ML. VOA						
40 ML. VOA						
VOLATILES						
NON-HALOGENATED VOLATILES						
40 ML. VOA						
40 ML. VOA						
40 ML. VOA						
40 ML. VOA						
40 ML. VOA						

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LABORATORY NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS
-B3-7	11-23-94	2215	✓		TRIP-BLANK	1
-B3-8	11-24-94	0855	✓		T-B3-7 (treated soil)	1
-B3-9	11-24-94	2135	✓		T-B3-8 (treated soil)	1
-B4-1	11-25-94	0230	✓		T-B3-9 (treated soil)	1
-B4-2	11-25-94	1400	✓		T-B4-1 (treated soil)	1
					T-B4-2 (treated soil)	1

MARKS - CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT REAG ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS OF THIS DOC.

RELINQUISHED BY (SIGNATURE)	RECEIVED BY (SIGNATURE)
<i>Eric Williams</i>	<i>Eric Williams</i>
DATE	DATE
11-25-94	11-25-94
TIME	TIME
1633	20:44

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT; YELLOW COPY TO COORDINATOR FIELD FILES; PINK COPY TO SAMPLER  
EASTMAN KODAK COMPANY  
Rochester, New York 14650  
716 722-3357

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B3-7

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4682302

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1588.MSO

Level: (low/med) LOW Date Samp/Recv: 11/23/94 11/25/94

\* Moisture: not dec. 13.2 Heated Purge: Y Date Analyzed: 11/28/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		12	U
540-59-0	1,2-Dichloroethene (Total)		12	U
75-01-4	Vinyl chloride		12	U
108-88-3	Toluene		2	BJ
1330-20-7	Total Xylenes		12	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B3-7 RE

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4682302RI

Sample wt/vol: 5.10 (g/mL) G Lab File ID: G1609.MSO

Level: (low/med) LOW Date Samp/Recv: 11/23/94 11/25/94

% Moisture: not dec. 13.2 Heated Purge: Y Date Analyzed: 11/29/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		11	U
540-59-0	1,2-Dichloroethene (Total)		11	U
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		11	U
1330-20-7	Total Xylenes		11	U



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B3-7

Lab Name: EAS (Kodak) Contract: Seneca Army Depot (IT)  
 Lab Code: 10146 Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No: S94-015  
 Matrix: (soil/water) Soil Lab Sample ID: 0192948  
 Sample wt/vol: 35.3 g Lab File ID: >3B141  
 Level: (low/med) Low Date Received: 11/25/94  
 % Moisture: 15.1 Decanted: (Y/N)N Date Extracted: 11/28/94  
 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 11/28/94  
 Injection Volume: 1 (uL) Dilution Factor: 2  
 GPC Cleanup: (Y/N)N pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	660	U
206-44-0	Fluoranthene	660	U
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8318			
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	3.7	JB
50-32-8	Benzo(a)pyrene	21	U
53-70-3	Dibenzo(a,h)anthracene	21	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B3-8

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4682303

Sample wt/vol: 5.10 (g/mL) G Lab File ID: G1600.MSO

Level: (low/med) LOW Date Samp/Recv: 11/24/94 11/25/94

% Moisture: not dec. 9.2 Heated Purge: Y Date Analyzed: 11/28/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	3	BJ
1330-20-7-----	Total Xylenes	11	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B3-8

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 894-015

Matrix: (soil/water) Soil

Lab Sample ID: 0192949

Sample wt/vol: 32.3 g

Lab File ID: &gt;3B142

Level: (low/med) Low

Date Received: 11/25/94

% Moisture: 8.6

Decanted: (Y/N)N

Date Extracted: 11/28/94

Concentrated Extract volume: 2000 (uL)

Date Analyzed: 11/28/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	43	J
206-44-0	Fluoranthene	56	J
129-00-0	Pyrene	33	J
117-81-7	bis(2-Ethylhexyl) phthalate	43	JB
193-39-7	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	58	B
218-01-9	Chrysene	85	B
50-12-8	Benzo(a)pyrene	13	J
53-70-3	Dibenzo(a,h)anthracene	20	J

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B3-9

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4682309

Sample wt/vol: 5.10 (g/mL) G Lab File ID: G1592.MSO

Level: (low/med) LOW Date Samp/Recv: 11/24/94 11/25/94

% Moisture: not dec. 10.2 Heated Purge: Y Date Analyzed: 11/28/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	11	U
1330-20-7-----	Total Xylenes	11	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B3-9 RE

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4682309RI

Sample wt/vol: 5.10 (g/mL) G Lab File ID: G1602.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/24/94 11/25/94

% Moisture: not dec. 10.2 Heated Purge: Y Date Analyzed: 11/29/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS:	Q
79-01-6	Trichloroethene	11	U
540-59-0	1,2-Dichloroethene (Total)	11	U
75-01-4	Vinyl chloride	11	U
108-88-3	Toluene	11	U
1330-20-7	Total Xylenes	11	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B3-9

Lab Name: EAS (Kodak) Contract: Seneca Army Depot (IT)  
 Lab Code: 10146 Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No: S94-015  
 Matrix: (soil/water) Soil Lab Sample ID: 0192950  
 Sample wt/vol: 33.3 g Lab File ID: >3B143  
 Level: (low/med) Low Date Received: 11/25/94  
 % Moisture: 9.8 Decanted: (Y/N)N Date Extracted: 11/28/94  
 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 11/28/94  
 Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 2  
 GPC Cleanup: (Y/N)N pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	47	J
206-44-0	Fluoranthene	54	J
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
50-35-3	Benzo(a)anthracene	37	B
218-01-9	Chrysene	34	B
50-37-7	Benzo(a)pyrene	30	
53-70-2	Dibenzo(a,h)anthracene	7.5	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-1

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No: S94-015

Matrix: (soil/water) Soil

Lab Sample ID: 0192951

Sample wt/vol: 33.7 g

Lab File ID: &gt;3B144

Level: (low/med) Low

Date Received: 11/25/94

% Moisture: 11.1

Decanted: (Y/N) N

Date Extracted: 11/28/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 11/28/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N) N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	41	J
206-44-0	Fluoranthene	39	J
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl) phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	47	B
218-01-9	Chrysene	31	B
50-32-8	Benzo(a)pyrene	14	J
53-70-3	Dibenzo(a,h)anthracene	6.6	J

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-1

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4682304

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1590.MSO

Level: (low/med) LOW Date Samp/Recv: 11/25/94 11/25/94

% Moisture: not dec. 10.8 Heated Purge: Y Date Analyzed: 11/28/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	3	BJ
1330-20-7-----	Total Xylenes	2	BJ



ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-2

ab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4682305

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1591.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/25/94 11/25/94

% Moisture: not dec. 11.4 Heated Purge: Y Date Analyzed: 11/28/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		11	U
540-59-0	1,2-Dichloroethene (Total)		11	U
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		11	U
1330-20-7	Total Xylenes		11	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-2 RE

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4682305RI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1601.MSO

Level: (low/med) LOW Date Samp/Recv: 11/25/94 11/25/94

% Moisture: not dec. 11.4 Heated Purge: Y Date Analyzed: 11/29/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	2	BJ
1330-20-7-----	Total Xylenes	11	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) WATER Lab Sample ID: A4682301

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G1586.MSO

Level: (low/med) LOW Date Samp/Recv: 11/23/94 11/25/94

% Moisture: not dec. \_\_\_\_\_ Heated Purge: N Date Analyzed: 11/28/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
79-01-6-----	Trichloroethene	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
75-01-4-----	Vinyl chloride	10	U
108-88-3-----	Toluene	2	BJ
1330-20-7-----	Total Xylenes	0.8	BJ

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-2

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S94-015

Matrix: (soil/water) Soil

Lab Sample ID: 0192952

Sample wt/vol: 33.7 g

Lab File ID: &gt;3E145

Level: (low/med) Low

Date Received: 11/25/94

% Moisture: 10.9

Decanted: (Y/N)N

Date Extracted: 11/28/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 11/28/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	37	J
206-44-0	Fluoranthene	36	J
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	64	B
218-01-9	Chrysene	98	B
50-32-8	Benzo(a)pyrene	21	U
53-70-3	Dibenzo(a,h)anthracene	21	U

**CHAIN OF CUSTODY RECORD**  
SOIL/SOLID MATRIX

894-017

LEVEL 4 ID NUMBER: SED SITE NAME: SEDA ASHLANDFILL PHASE II

SIGNATURES/WARNING FIRM: Eric DeBorja / IT Corp.

LATE	TIME	COMP.	BRAB	STATION/LOCATION	NO. OF CONTAINERS
				TRIP-BLANK	
11/23/94	0945	✓		T-B3-5 (treated soil)	1
11/23/94	1330	✓		T-B3-6 (treated soil)	1

METHODS	ANALYTES	SPECIFY TESTS & SPE. SPECIFICS	VOLATILES		NON-HALOGENATED VOLATILES		METALS		CYANIDE		40 ML. VOL.		40 ML. VOL.		FIELD REMARKS	ACID	BUSIN.	TU	TIM
			4 OUNCE	8 OUNCE	4 OUNCE	8 OUNCE	4 OUNCE	8 OUNCE	4 OUNCE	8 OUNCE	4 OUNCE	8 OUNCE	4 OUNCE	8 OUNCE					
8015 (PM)																			
8020 (PM)																			
8027-8310																			
8080																			
8017000 SGRKS																			
8240																			
8215 (PM)																			

019360  
019330

CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT BEHC ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THIS DOC.

RECEIVED BY (SIGNATURE): <i>Micale</i>	DATE: 11-13-94	TIME: 1730	RECEIVED BY (SIGNATURE):	DATE:	TIME:
FOR LABORATORY BY (SIGNATURE): <i>[Signature]</i>	DATE: 941123	TIME: 1935	RECEIVED BY (SIGNATURE):	DATE:	TIME:

EASTMAN KODAK COMPANY  
Rochester, New York 14650  
716 722-3157

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ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-3

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4683102

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1622.MSQ

Level: (low/med) LCW Date Samp/Recv: 11/25/94 11/28/94

% Moisture: not dec. 12.2 Heated Purge: X Date Analyzed: 11/29/94

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		2	J
540-59-0	1,2-Dichloroethene (Total)		11	U
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		6	J
1330-20-7	Total Xylenes		11	U

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-3RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4683102RI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1634.MSO

Level: (low/med) LOW Date Samp/Recv: 11/25/94 11/28/94

% Moisture: not dec. 12.2 Heated Purge: Y Date Analyzed: 11/30/94

GC Column: SP-1002 ID: 2.00 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		11	U
540-59-0-----	1,2-Dichloroethene (Total)		11	U
75-01-4-----	Vinyl chloride		11	U
108-88-3-----	Toluene		2	J
1330-20-7-----	Total Xylenes		11	U

PRELIMINARY

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-3

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S94-016

Matrix: (soil/water) Soil

Lab Sample ID: 0192974

Sample wt/vol: 34.2 g

Lab File ID: &gt;3E155

Level: (low/med) Low

Date Received: 11/27/94

% Moisture: 12.4

Decanted: (Y/N) N

Date Extracted: 11/29/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 11/29/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N) N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	41	J
206-44-0	Fluoranthene	45	J
129-00-0	Pyrene	660	U
117-81-7	bis (2-Ethylhexyl) phthalate	106	J
193-39-5	Indeno (1,2,3-cd) pyrene	660	U
METHOD 6010			
56-55-3	Benzo (a) anthracene	112	B
218-01-9	Chrysene	46	B
50-32-8	Benzo (a) pyrene	55	
53-70-3	Dibenzo (a, h) anthracene	18	J



ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-4

Lab Name: Regra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4683103

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1616.MSO

Level: (low/med) LOW Date Samp/Recv: 11/26/94 11/28/94

% Moisture: not dec. 13.5 Heated Purge: Y Date Analyzed: 11/29/94

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/KG</u>	<u>Q</u>
79-01-6	Trichloroethene		2	J
540-59-0	1,2-Dichloroethene (Total)		12	U
75-01-4	Vinyl chloride		12	U
108-88-3	Toluene		6	J
1330-20-7	Total Xylenes		1	J

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-4RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4683103RI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1623.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/26/94 11/28/94

% Moisture: not dec. 13.5 Heated Purge: Y Date Analyzed: 11/29/94

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		1	J
540-59-0-----	1,2-Dichloroethene (Total)		12	U
75-01-4-----	Vinyl chloride		12	U
108-88-3-----	Toluene		4	J
1330-20-7-----	Total Xylenes		12	U

PRELIMINARY

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-4

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S94-016

Matrix: (soil/water) Soil

Lab Sample ID: 0192975

Sample wt/vol: 34.1g

Lab File ID: &gt;3B156

Level: (low/med) Low

Date Received: 11/27/94

% Moisture: 12.0 Decanted: (Y/N)N

Date Extracted: 11/29/94

Concentrated Extract Volume: 2000(uL)

Date Analyzed: 11/29/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	48	J
206-44-0	Fluoranthene	58	J
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	99	B
218-01-9	Chrysene	38	B
50-32-8	Benzo(a)pyrene	40	
53-70-3	Dibenzo(a,h)anthracene	8.3	J

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-5

Lab Name: Recra Environmental Contract: \_\_\_\_\_Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32Matrix: (soil/water) SOIL Lab Sample ID: A4683104Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1617.MSQLevel: (low/med) LOW Date Samp/Recv: 11/26/94 11/28/94% Moisture: not dec. 2.1 Heated Purge: Y Date Analyzed: 11/29/94GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	11	U
540-59-0	1,2-Dichloroethene (Total)	11	U
75-01-4	Vinyl chloride	11	U
108-88-3	Toluene	4	J
1330-20-7	Total xylenes	11	U

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-5RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4683104DI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1625.MSO

Level: (low/med) LOW Date Samp/Recv: 12/26/94 11/28/94

% Moisture: not dec. 9.1 Heated Purge: Y Date Analyzed: 11/29/94

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		11	U
540-59-0-----	1,2-Dichloroethene (Total)		11	U
75-01-4-----	Vinyl chloride		11	U
108-88-3-----	Toluene		6	J
1330-20-7-----	Total Xylenes		11	U

PRELIMINARY

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-5

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 394-016

Matrix: (soil/water) Soil

Lab Sample ID: 0192976

Sample wt/vol: 33.1

Lab File ID: &gt;3B157

Level: (low/med) Low

Date Received: 11/27/94

% Moisture: 9.3 Decanted: (Y/N)N

Date Extracted: 11/29/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 11/29/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8210			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	67	J
206-44-0	Fluoranthene	74	J
129-00-0	Pyrene	47	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	169	B
218-01-9	Chrysene	57	B
50-32-8	Benzo(a)pyrene	81	
53-70-3	Dibenzo(a,h)anthracene	44	

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-5 DUP

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TR32

Matrix: (soil/water) SOIL Lab Sample ID: A46R3104FD

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1618.MSO

Level: (low/med) LOW Date Samp/Recv: 11/26/94 11/28/94

% Moisture: not dec. 9.1 Heated Purge: Y Date Analyzed: 11/29/94

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene	11		U
540-59-0	1,2-Dichloroethene (Total)	11		U
75-01-4	Vinyl chloride	11		U
108-88-3	Toluene	6		J
1330-20-7	Total Xylenes	11		U

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-5RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TE32

Matrix: (soil/water) SOIL Lab Sample ID: A4683104RI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1624.MSC

Level: (low/med) LOW Date Samp/Recv: 11/26/94 11/28/94

% Moisture: not dec. 9.1 Heated Purge: Y Date Analyzed: 11/29/94

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/KG</u>	<u>Q</u>
79-01-6- - - - -	Trichloroethene		11	U
540-59-0- - - - -	1,2-Dichloroethene (Total)		11	U
75-01-4- - - - -	Vinyl chloride		11	U
108-88-3- - - - -	Toluene		11	U
1330-20-7- - - - -	Total Xylenes		11	U



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.  
T-B4-5 DUP

Lab Name: EAS (Kodak) Contract: Seneca Army Depot (IT)  
 Lab Code: 10146 Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No: S94-016  
 Matrix: (soil/water) Soil Lab Sample ID: 0192977  
 Sample wt/vol: 32.9g Lab File ID: >3B158  
 Level: (low/med) Low Date Received: 11/27/94  
 % Moisture: 8.8 Decanted: (Y/N)N Date Extracted: 11/29/94  
 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 11/29/94  
 Injection Volume: 1 (uL) Dilution Factor: 2  
 GPC Cleanup: (Y/N)N pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	55	J
206-44-0	Fluoranthene	61	J
129-00-0	Pyrene	37	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	118	B
218-01-9	Chrysene	44	B
50-32-8	Benzo(a)pyrene	65	
53-70-3	Dibenzo(a,h)anthracene	24	

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-6

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB32

Matrix: (soil/water) SOIL Lab Sample ID: A4683105

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1619.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/26/94 11/28/94

% Moisture: not dec. 9.8 Heated Purge: Y Date Analyzed: 11/29/94

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6- - - - -	Trichloroethene	11	U
540-59-0- - - - -	1,2-Dichloroethene (Total)	11	U
75-01-4- - - - -	Vinyl chloride	11	J
108-88-3- - - - -	Toluene	2	J
1330-20-7- - - - -	Total Xylenes	11	U

PRELIMINARY

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-6

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S94-016

Matrix: (soil/water) Soil

Lab Sample ID: 0192978

Sample wt/vol: 33.6g

Lab File ID: &gt;3B159

Level: (low/med) Low

Date Received: 11/27/94

% Moisture: 10.7 Decanted: (Y/N)N

Date Extracted: 11/29/94

Concentrated Extract Volume: 2000(uL)

Date Analyzed: 11/29/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8210			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	53	J
206-44-0	Fluoranthene	65	J
129-00-0	Pyrene	36	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	77	B
218-01-9	Chrysene	28	B
50-32-8	Benzo(a)pyrene	23	
53-70-3	Dibenzo(a,h)anthracene	11	J

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-7

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4683201

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6489.MSO

Level: (low/med) LOW Date Samp/Recv: 11/27/94 11/28/94

% Moisture: not dec. 12.2 Heated Purge: Y Date Analyzed: 11/29/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		11	U
540-59-0	1,2-Dichloroethene (Total)		11	U
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		11	U
1330-20-7	Total Xylenes		11	U

**PRELIMINARY**

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-7RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4683201RI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6504.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/27/94 11/28/94

% Moisture: not dec. 12.2 Heated Purge: Y Date Analyzed: 11/30/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	11	U
1330-20-7-----	Total Xylenes	11	U

PRELIMINARY

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-7

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S94-016

Matrix: (soil/water) Soil

Lab Sample ID: 0192979

Sample wt/vol: 34.3g

Lab File ID: &gt;3B160

Level: (low/med) Low

Date Received: 11/27/94

% Moisture: 12.6 Decanted: (Y/N) N

Date Extracted: 11/29/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 11/29/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N) N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	660	U
206-44-0	Fluoranthene	660	U
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	55	B
218-01-9	Chrysene	20	B
50-32-8	Benzo(a)pyrene	20	J
53-70-3	Dibenzo(a,h)anthracene	21	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-8

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4683202

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6490.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/27/94 11/28/94

% Moisture: not dec. 11.2 Heated Purge: Y Date Analyzed: 11/29/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	11	U
1330-20-7-----	Total Xylenes	11	U

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-8RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4683202RI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6505.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/27/94 11/28/94

% Moisture: not dec. 11.2 Heated Purge: Y Date Analyzed: 11/30/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		11	U
540-59-0-----	1,2-Dichloroethene (Total)		11	U
75-01-4-----	Vinyl chloride		11	U
108-88-3-----	Toluene		11	U
1330-20-7-----	Total Xylenes		11	U

PRELIMINARY



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-8

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S94-016

Matrix: (soil/water) Soil

Lab Sample ID: 0192980

Sample wt/vol: 34.0g

Lab File ID: &gt;33161

Level: (low/med) Low

Data Received: 11/27/94

% Moisture: 11.8 Decanted: (Y/N) N

Date Extracted: 11/29/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 11/29/94

Injection Volume: \_\_\_\_\_

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N) N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD B210			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	660	U
206-44-1	Fluoranthene	660	U
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-10-4	Indeno(1,2,3-cd)pyrene	660	U
METHOD B310			
51-55-3	Benzo(a)anthracene	25	B
218-01-9	Chrysene	9.0	JB
50-32-6	Benzo(a)pyrene	12	J
53-70-3	Dibenzo(a,h)anthracene	21	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-9

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: IB47

Matrix: (soil/water) SOIL Lab Sample ID: A4684402

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6491.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/27/94 11/28/94

% Moisture: not dec. 14.0 Heated Purge: Y Date Analyzed: 11/29/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG 0

CAS NO.	COMPOUND	UG/KG	0
79-01-6-----	Trichloroethene	12	U
540-59-0-----	1,2-Dichloroethene (Total)	12	U
75-01-4-----	Vinyl chloride	12	U
108-88-3-----	Toluene	12	U
1330-20-7-----	Total Xylenes	12	U

PRELIMINARY

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-9

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S94-018

Matrix: (soil/water) Soil

Lab Sample ID: 0193108

Sample wt/vol: 35.2g

Lab File ID: &gt;3B164

Level: (low/med) Low

Date Received: 11/28/94

% Moisture: 14.7 Decanted: (Y/N)N

Date Extracted: 11/29/94

Concentrated Extract Volume: 2000(uL)

Date Analyzed: 11/29/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	660	U
206-44-0	Fluoranthene	660	U
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	5.9	J
218-01-9	Chrysene	12	U
50-32-8	Benzo(a)pyrene	6.9	J
53-70-3	Dibenzo(a,h)anthracene	21	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-10

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4684403

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6492.MSO

Level: (low/med) LOW Date Samp/Recv: 11/28/94 11/28/94

% Moisture: not dec. 12.8 Heated Purge: Y Date Analyzed: 11/29/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		11	U
540-59-0-----	1,2-Dichloroethene (Total)		11	U
75-01-4-----	Vinyl chloride		11	U
108-88-3-----	Toluene		11	U
1330-20-7-----	Total Xylenes		11	U

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-10 RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4684403RI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6516.MSQ

Level: (low/med) LOW Date Samp/Recv: 11/28/94 11/28/94

% Moisture: not dec. 12.8 Heated Purge: Y Date Analyzed: 11/30/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		11	U
540-59-0	1,2-Dichloroethene (Total)		11	U
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		11	U
1330-20-7	Total Xylenes		11	U

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) WATER Lab Sample ID: A4684401

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: H6487.MSO

Level: (low/med) LOW Date Samp/Recv: 11/28/94 11/28/94

% Moisture: not dec. \_\_\_\_\_ Heated Purge: N Date Analyzed: 11/29/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
79-01-6-----	Trichloroethene		10	U
540-59-0-----	1,2-Dichloroethene (Total)		10	U
75-01-4-----	Vinyl chloride		10	U
108-88-3-----	Toluene		10	U
1330-20-7-----	Total Xylenes		10	U

PRELIMINARY

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

~~T-B4-9~~

Correction

T-B4-10

OK  
2/23/95

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S94-018

Matrix: (soil/water) Soil

Lab Sample ID: 0193109

Sample wt/vol: 34.4g

Lab File ID: &gt;3B165

Level: (low/med) Low

Date Received: 11/28/94

% Moisture: 12.6 Decanted: (Y/N)N

Date Extracted: 11/29/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 11/29/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	660	U
206-44-0	Fluoranthene	660	U
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	6.5	J
218-01-9	Chrysene	4.3	J
50-32-8	Benzo(a)pyrene	21	U
53-70-3	Dibenzo(a,h)anthracene	21	U

554-018

# CHAIN OF CUSTODY RECORD

## SOIL/SOLID MATRIX

LEVEL 4 ID NUMBER: **554-018**  
 SITE NAME: **SEDA ASHLANDFILL PHASE II**

SIGNATURE/SAMPLING FIRM: **ERIC DETWEILER**

LATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS
				<del>TRIP BLANK</del>	
11-27 94	1310	✓		T-B4-9 (treated soil)	1
11-28 94	0420	✓		T-B4-10 (treated soil) MS/MSO	1

METHODS		4 OUNCE	8 OUNCE	4 OUNCE	4 OUNCE	4 OUNCE	4 OUNCE	40 ML VOA	40 ML VOA	40 ML VOA	FIELD REMARKS
ANALYTES	4 OUNCE										
SPECIF. TOX & SITE SPECIFICS	4 OUNCE										
NON-HALOGENATED VOLATILES	4 OUNCE										
HALOGENATED VOLATILES	4 OUNCE										
SEMI-VOLATILES	4 OUNCE										
PCB/SPESTICIDES	4 OUNCE										
METALS	4 OUNCE										
6010-5310	4 OUNCE										
6000	4 OUNCE										
6010-7000 SERIES	4 OUNCE										
6010	4 OUNCE										
6015 (DM)	4 OUNCE										

019310  
019311

- CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT BEAC ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THIS BOX.

RECEIVED BY (SIGNATURE): *[Signature]*  
 DATE: 11/28/94  
 TIME: 1731

RECEIVED BY (SIGNATURE):  
 DATE:  
 TIME:

EASTMAN KODAK COMPANY  
 Rochester, New York 14650  
 716 722-3357

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT, YELLOW COPY TO COORDINATOR FIELD FILES, PINK COPY TO SAMPLER



ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-11

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4686902

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G1637.MSO

Level: (low/med) LOW Date Samp/Recv: 11/28/94 11/29/94

% Moisture: not dec. 13.8 Heated Purge: Y Date Analyzed: 11/30/94

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		12	U
540-59-0-----	1,2-Dichloroethene (Total)		12	U
75-01-4-----	Vinyl chloride		12	U
108-88-3-----	Toluene		12	U
1330-20-7-----	Total Xylenes		12	U

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) WATER Lab Sample ID: A4686901

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G1632.MSO

Level: (low/med) LOW Date Samp/Recv: 11/29/94 11/29/94

% Moisture: not dec. \_\_\_\_\_ Heated Purge: N Date Analyzed: 11/30/94

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
79-01-6-----	Trichloroethene	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
75-01-4-----	Vinyl chloride	10	U
108-88-3-----	Toluene	10	U
1330-20-7-----	Total Xylenes	10	U

PRELIMINARY

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-11

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code:10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No:894-019

Matrix:(soil/water) Soil

Lab Sample ID: 0193128

Sample wt/vol: 34.7g

Lab File ID: &gt;3B174

Level: (low/med)Low

Date Received: 11/29/94

% Moisture: 13.5 Decanted:(Y/N)N

Date Extracted: 11/30/94

Concentrated Extract Volume:2000(uL)

Date Analyzed: 11/30/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/Kg)	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	660	U
206-44-0	Fluoranthene	660	U
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8210			
56-55-3	Benzo(a)anthracene	5.0	J
218-01-9	Chrysene	12	U
50-32-8	Benzo(a)pyrene	7.7	JB
53-70-3	Dibenzo(a,h)anthracene	21	U

# CHAIN OF CUSTODY RECORD

S94-019

ASB

LEVEL AND NUMBER: **TRD** SITE NAME: **SEDA ASHLANDFILL PHASE II**

UNIFORM SAMPLING FORM

ERIC DENIGERUE / N corp

DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	SPECIFY TYPES & SITE SPECIFICS	ANALYTES	METHODS	TURNAROUND TIME
12/28/94	2245	✓		T-B4-11 (treated soil)	1	8oz. Guss	SEMI-VOLATILES	8270, 19310	BUSINESS 12/28/94

AMMS # **0193122**  
BUSINESS 12/28/94

TEXT ONE OF THE FOLLOWING:  1. FOLLOW PROJECT REAG ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THIS DOC.

BY (SIGNATURE): *R. Deniguerue* DATE: 11/29/94 TIME: 1708 RECEIVED BY (SIGNATURE): *R. Katto*  
REQUISITIONED BY (SIGNATURE): *R. Katto*  
BY (SIGNATURE): *R. Katto* DATE: 11/29/94 TIME: 1930  
EASTMAN KODAK COMPANY  
ROCHESTER, NEW YORK 14650  
716 722-3957  
CGS  
KT

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-12

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4692702

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F6550.MSO

Level: (low/med) LOW Date Samp/Recv: 12/01/94 12/01/94

% Moisture: not dec. 13.4 Heated Purge: Y Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOLND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		12	U
540-59-0-----	1,2-Dichloroethene (Total)		12	U
75-01-4-----	Vinyl chloride		12	U
108-88-3-----	Toluene		12	U
1330-20-7-----	Total Xylenes		12	U

**PRELIMINARY**

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-12RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4692702RI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6551.MSQ

Level: (Low/med) LOW Date Samp/Recv: 12/01/94 12/01/94

% Moisture: not dec. 13.4 Heated Purge: Y Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	12	U
540-59-0-----	1,2-Dichloroethene (Total)	12	U
75-01-4-----	Vinyl chloride	12	U
108-88-3-----	Toluene	12	U
1330-20-7-----	Total Xylenes	12	U

PRELIMINARY

Entered  
12-7-94

18  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-12

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 594-020

Matrix: (soil/water) Soil

Lab Sample ID: 0193208

Sample wt/vol: 34.2g

Lab File ID: >3C005

Level: (low/med) Low

Date Received: 12/01/94

% Moisture: 12.2 Decanted: (Y/N) N

Date Extracted: 12/02/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 12/02/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N) N

pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	660	U
206-44-0	Fluoranthene	660	U
129-00-0	Pyrene	660	U
117-81-7	bis(2-Ethylhexyl)phthalate	610	J
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
56-55-3	Benzo(a)anthracene	58	
218-01-9	Chrysene	38	
50-32-8	Benzo(a)pyrene	21	U
53-70-3	Dibenzo(a,h)anthracene	21	U





ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-13
---------

Lab Name: Recra Environmental Contract: \_\_\_\_\_Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47Matrix: (soil/water) SOIL Lab Sample ID: A4697102Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6570.MSOLevel: (low/med) LOW Date Samp/Recv: 12/01/94 12/02/94% Moisture: not dec. 10.3 Heated Purge: Y Date Analyzed: 12/05/94GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
---------	----------	-----------------	-------	---

79-01-6-----	Trichloroethene		11	U
540-59-0-----	1,2-Dichloroethene (Total)		11	U
75-01-4-----	Vinyl chloride		11	U
108-88-3-----	Toluene		2	J
1330-20-7-----	Total Xylenes		11	U

**PRELIMINARY**

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-13

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 394-022

Matrix: (soil/water) Soil

Lab Sample ID: 0193268

Sample wt/vol: 35.4g

Lab File ID: &gt;1C012

Level: (low/med) Low

Date Received: 12/02/94

% Moisture: 15.2 Decanted: (Y/N)N

Date Extracted: 12/05/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 12/05/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	59	J
206-44-0	Fluoranthene	101	J
129-00-0	Pyrene	48	J
117-81-7	bis(2-Ethylhexyl)phthalate	404	J
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	20	B
218-01-9	Chrysene	48	
50-32-8	Benzo(a)pyrene	36	
53-70-3	Dibenzo(a,h)anthracene	21	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-14

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4697103

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6571.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/02/94 12/02/94

% Moisture: not dec. 6.3 Heated Purge: Y Date Analyzed: 12/05/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	11	U
1330-20-7-----	Total Xylenes	11	U

**PRELIMINARY**

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-14

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No: S94-022

Matrix: (soil/water) Soil

Lab Sample ID: 0193269

Sample wt/vol: 32.4g

Lab File ID: &gt;1C013

Level: (low/med) Low

Date Received: 12/02/94

% Moisture: 7.5 Decanted: (Y/N)N

Date Extracted: 12/05/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 12/05/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	93	J
206-44-0	Fluoranthene	143	J
129-00-0	Pyrene	73	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	234	B
218-01-9	Chrysene	96	
50-32-8	Benzo(a)pyrene	70	
53-70-3	Dibenzo(a,h)anthracene	21	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-15

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4697104

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6572.MSO

Level: (low/med) LOW Date Samp/Recv: 12/02/94 12/02/94

% Moisture: not dec. 5.5 Heated Purge: Y Date Analyzed: 12/05/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
75-01-4	Vinyl chloride	10	U
108-88-3	Toluene	10	U
1330-20-7	Total Xylenes	10	U

**PRELIMINARY**

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-15

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S94-022

Matrix: (soil/water) Soil

Lab Sample ID: 0193270

Sample wt/vol: 32.5g

Lab File ID: &gt;1C013

Level: (low/med) Low

Date Received: 12/02/94

% Moisture: 7.6 Decanted: (Y/N)N

Date Extracted: 12/05/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 12/05/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	123	J
206-44-0	Fluoranthene	200	J
129-00-0	Pyrene	97	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	35	B
218-01-9	Chrysene	60	
50-32-8	Benzo(a)pyrene	122	
53-70-3	Dibenzo(a,h)anthracene	21	U

5942022



# CHAIN OF CUSTODY RECORD

LEVEL 4 ID NUMBER: 560 SITE NAME: SEDA ASHLANDFILL PHASE II

ANALYST SIGNATURE: *Eric Detweiler*

METHODS: 8270 + 8310  
 ANALYTES: Semi-Volatiles  
 SPECIES: ncs & site Specifics

PREPARED BY: *Eric Detweiler*

NO. OF CONTAINERS: 1

STATION LOCATION

FIELD REMARKS

DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	FIELD REMARKS
12-1-94	2035	✓		T-B4-13 (treated soil)	1	0193
12-2-94	0225	✓		T-B4-14 (treated soil)	1	0193
12-2-94	1655	✓		T-B4-15 (treated soil)	1	0193

1. FOLLOW PROJECT REAGANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THIS COC:

RECEIVED BY (SIGNATURE): *Eric Detweiler* DATE: 12/02/94 TIME: 1745

RELINQUISHED BY (SIGNATURE):

RECEIVED BY (SIGNATURE):

DATE: 9412.02.1925 TIME:

FOR LABORATORY BY (SIGNATURE): *Eric Detweiler*

CONSTRUCTION: ORIGINAL ACCOMPANIES SHIPMENT, YELLOW COPY TO COORDINATOR FIELD FILE, PINK COPY TO SAMPLER

EASTMAN KODAK COMPANY  
 Rochester, New York 14650  
 716 722-3357



ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-16

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: EB47

Matrix: (soil/water) SOIL Lab Sample ID: A4702302

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6589.MSQ

Level: (Low/med) LOW Date Samp/Recv: 12/03/94 12/05/94

Moisture: not dec. 10.2 Heated Purge: Y Date Analyzed: 12/06/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		11	U
540-59-0-----	1,2-Dichloroethane (Total)		11	U
75-01-4-----	Vinyl chloride		11	U
108-88-3-----	Toluene		11	U
1330-20-7-----	Total Xylenes		11	U



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-16

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 594-023

Matrix: (soil/water) Soil

Lab Sample ID: 0193276

Sample wt/vol: 33.4g

Lab File ID: &gt;1C032

Level: (low/med) Low

Date Received: 12/04/94

% Moisture: 10.3 Decanted: (Y/N)N

Date Extracted: 12/06/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 12/06/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	100	J
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	140	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8316			
56-55-3	Benzo(a)anthracene	160	B
218-01-9	Chrysene	66	
50-32-8	Benzo(a)pyrene	79	B
53-70-3	Dibenzo(a,h)anthracene	46	

S54-023

# CHAIN OF CUSTODY RECORD

LEVEL & ID NUMBER: **FL8** SITE NAME: **SEDA - Ashlandfill - Phase II**

SIGNATURE/SAMPLING FIRM: *Eric [Signature]*

ANALYTES: *SEM-EDX, SEM-VOL, 1.1 to 6.0 μm, 10.4*  
 METHODS: *B270 + B270, B270 + B270, B270 + B270*  
 SITE SPECIFICS: *202*

NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	FIELD REMARKS	A
16	12-3-94	1030	✓		T-B4-16	1		0193
17	12-3-94	1030	✓		T-B4-17 (MS/MSD)	1		0193
18	12-3-94	1500	✓		T-B4-18	1		0193
19	12-3-94	2115	✓		T-A1-1	1		0193
20	12-3-94	2115	✓		T-A1-1 Dup (Replicate)	1		0193
21	12-4-94	1040	✓		T-A1-2	1		0193
22	12-4-94	1640	✓		T-A1-3	1		0193
23	12-3-94	1515		✓	EB-B4-18	2		0193

1 - CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT READ ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THIS COC.

RECEIVED BY (SIGNATURE): *[Signature]* DATE: 12/4/94 TIME: 1815  
 RECEIVED BY (SIGNATURE): *[Signature]* DATE: 12/6/94 TIME: 08:50  
 RECEIVED BY (SIGNATURE): \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
 RECEIVED BY (SIGNATURE): \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

T-B4-17 is MS/MSD sample.

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 Rochester, New York 14650  
 716 722-3367



ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-17

Job Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECN Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4702304

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6605.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/03/94 12/05/94

Moisture: not dec. 3.7 Heated Purge: Y Date Analyzed: 12/07/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		11	U
540-59-0-----	1,2-Dichloroethene (Total)		11	U
75-01-4-----	Vinyl chloride		11	U
108-88-3-----	Toluene		11	U
1330-20-7-----	Total Xylenes		11	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-17

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 994-023

Matrix: (soil/water) Soil

Lab Sample ID: 0193277

Sample wt/vol: 33.2g

Lab File ID: &gt;1C032

Level: (low/med) Low

Date Received: 12/04/94

% Moisture: 9.7 Decanted: (Y/N)N

Date Extracted: 12/06/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 12/06/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
METHOD 8070			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	92	J
206-44-0	Fluoranthene	150	J
129-00-0	Pyrene	80	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	170	B
218-01-9	Chrysene	71	
50-32-8	Benzo(a)pyrene	98	B
53-70-3	Dibenzo(a,h)anthracene	65	

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-18

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4702305

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6593.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/03/94 12/05/94

Moisture: not dec. 13.1 Heated Purge: Y Date Analyzed: 12/06/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		12	U
540-59-0-----	1,2-Dichloroethene (Total)		12	U
75-01-4-----	Vinyl chloride		12	U
108-88-3-----	Toluene		12	U
1330-20-7-----	Total Xylenes		12	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-B4-18RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4702305RI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6606.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/03/94 12/05/94

% Moisture: not dec. 13.1 Heated Purge: Y Date Analyzed: 12/07/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/KG

Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	12	U
540-59-0-----	1,2-Dichloroethene (Total)	12	J
75-01-4-----	vinyl chloride	12	J
108-88-3-----	Toluene	2	J
1330-20-7-----	Total Xylenes	2	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-B4-18

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No: S94-023

Matrix: (soil/water) Soil

Lab Sample ID: 0193278

Sample wt/vol: 34.3g

Lab File ID: &gt;1C034

Level: (low/med) Low

Date Received: 12/04/94

% Moisture: 12.5 Decanted: (Y/N)N

Date Extracted: 12/06/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 12/06/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
METHOD B270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	73	J
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	67	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD B310			
56-55-3	Benzo(a)anthracene	150	B
218-01-9	Chrysene	58	
50-32-8	Benzo(a)pyrene	70	B
53-70-3	Dibenzo(a,h)anthracene	19	J

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-1

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4702306

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6594.MSD

Level: (low/med) LOW Date Samp/Recv: 12/03/94 12/05/94

Moisture: not dec. 11.7 Heated Purge: Y Date Analyzed: 12/05/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

79-01-5-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	2	J
1330-20-7-----	Total Xylenes	11	U



ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-1RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4702306RI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6607.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/03/94 12/05/94

Moisture: not dec. 11.7 Heated Purge: Y Date Analyzed: 12/07/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
79-01-6	Trichloroethene	11	U
540-59-0	1,2-Dichloroethene (Total)	11	U
75-01-4	Vinyl chloride	11	U
108-88-3	Toluene	2	U
1330-20-7	Total Xylenes	11	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-A1-1

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 894-023

Matrix: (soil/water) Soil

Lab Sample ID: 0193279

Sample wt/vol: 34.0g

Lab File ID: &gt;1C035

Level: (low/med) Low

Date Received: 12/04/94

% Moisture: 11.7 Decanted: (Y/N)N

Date Extracted: 12/06/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 12/06/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
METHOD 6270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	79	J
206-44-0	Fluoranthene	132	J
129-00-0	Pyrene	79	J
117-81-7	bis(2-Ethylhexyl)phthalate	840	
193-39-5	Indeno(1,2,3-cd)pyrene	660	U
METHOD 8310			
56-55-3	Benzo(a)anthracene	130	B
218-01-9	Chrysene	61	
50-32-8	Benzo(a)pyrene	68	B
53-70-3	Dibenzo(a,h)anthracene	20	J

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-1 DUP

Lab Name: Recra Environmental Contract: \_\_\_\_\_Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47Matrix: (soil/water) SOIL Lab Sample ID: A4702306FDSample wt/vol: 5.00 (g/mL) G Lab File ID: H6595.MSQLevel: (low/med) LOW Date Samp/Recv: 12/03/94 12/05/94Moisture: not dec. 11.7 Heated Purge: Y Date Analyzed: 12/06/94GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPCUND (ug/L or ug/Kg) UG/KG Q

79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	11	U
1330-20-7-----	Total xylenes	11	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-1RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TB47

Matrix: (soil/water) SOIL Lab Sample ID: A4702306DI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H5608.MSO

Level: (low/med) LOW Date Samp/Recv: 12/03/94 12/05/94

% Moisture: not dec. 11.7 Heated Purge: Y Date Analyzed: 12/07/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	J
106-88-3-----	Toluene	2	J
1330-20-7-----	Total Xylenes	11	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.  
T-A1-1 DUP

Lab Name: EAS (Kodak) Contract: Seneca Army Depot (IT)  
 Lab Code: 10146 Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No: S94-023  
 Matrix: (soil/water) Soil Lab Sample ID: 0193280  
 Sample wt/vol: 33.8g Lab File ID: >1C036  
 Level: (low/med) Low Date Received: 12/04/94  
 % Moisture: 11.3 Decanted: (Y/N)N Date Extracted: 12/06/94  
 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 12/06/94  
 Injection Volume: 1 (uL) Dilution Factor: 2  
 GPC Cleanup: (Y/N)N pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
METHOD R270			
91-20-3	Naphthalene	190	J
85-01-8	Phenanthrene	160	J
206-44-0	Fluoranthene	150	J
129-00-0	Pyrene	103	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	85	J
METHOD B310			
56-55-3	Benzo(a)anthracene	170	B
218-01-9	Chrysene	130	
50-32-8	Benzo(a)pyrene	140	B
53-70-3	Dibenzo(a,h)anthracene	67	

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-2

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) SOIL Lab Sample ID: A4703201

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6596.MSO

Level: (low/med) LOW Date Samp/Recv: 12/04/94 12/05/94

% Moisture: not dec. 10.6 Heated Purge: Y Date Analyzed: 12/06/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		11	U
540-59-0	1,2-Dichloroethene (Total)		11	U
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		11	U
1330-20-7	Total Xylenes		11	U

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-2RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) SOIL Lab Sample ID: A4703201RI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6609.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/04/94 12/05/94

% Moisture: not dec. 10.6 Heated Purge: X Date Analyzed: 12/07/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS:	Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	11	U
1330-20-7-----	Total Xylenes	11	U

PRELIMINARY

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-A1-2

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 594-023

Matrix: (soil/water) Soil

Lab Sample ID: 0193281

Sample wt/vol: 34.4g

Lab File ID: &gt;1C037

Level: (low/med) Low

Date Received: 12/04/94

% Moisture: 12.9 Decanted: (Y/N)N

Date Extracted: 12/06/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 12/06/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
METHOD 8210			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	120	J
206-44-0	Fluoranthene	210	J
129-00-0	Pyrene	120	J
117-81-7	bis (2-Ethylhexyl) phthalate	660	U
193-39-5	Indeno (1, 2, 3-cd) pyrene	660	U
METHOD 8310			
56-55-3	Benzo (a) anthracene	140	B
218-01-9	Chrysene	86	
50-32-8	Benzo (a) pyrene	87	B
53-70-3	Dibenzo (a, h) anthracene	45	



ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-3

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) SOIL Lab Sample ID: A4703202

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6597.MSQ

Level: (Low/med) LOW Date Samp/Recv: 12/04/94 12/05/94

% Moisture: not dec. 0.0 Heated Purge: Y Date Analyzed: 12/06/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
75-01-4	Vinyl chloride	10	U
108-88-3	Toluene	10	U
1330-20-7	Total Xylenes	10	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-3RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12Matrix: (soil/water) SOIL Lab Sample ID: A4703202RISample wt/vol: 5.00 (g/mL) G Lab File ID: H6610.MSOLevel: (low/med) LOW Date Samp/Recv: 12/04/94 12/05/94% Moisture: not dec. 0.0 Heated Purge: Y Date Analyzed: 12/07/94GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene	10		U
540-59-0	1,2-Dichloroethane (Total)	10		U
75-01-4	Vinyl chloride	10		U
108-88-3	Toluene	10		U
1330-20-7	Total Xylenes	10		U

PRELIMINARY

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-A1-3

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

EAS No: \_\_\_\_\_

SDG No: 894-023

Matrix: (soil/water) Soil

Lab Sample ID: 0193282

Sample wt/vol: 33.1g

Lab File ID: &gt;1C038

Level: (low/med) Low

Date Received: 12/04/94

Moisture: 9.4 Decanted: (Y/N)N

Date Extracted: 12/06/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 12/06/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	170	J
206-44-0	Fluoranthene	290	J
129-00-0	Pyrene	170	J
117-81-7	bis(2-Ethylhexyl) phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	200	J
METHOD 8310			
56-55-3	Benzo(a)anthracene	440	B
218-01-9	Chrysene	280	
50-32-8	Benzo(a)pyrene	330	B
53-70-3	Dibenzo(a,h)anthracene	260	

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-4

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) SOIL Lab Sample ID: A4705702

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6614.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/94 12/05/94

% Moisture: not dec. 10.2 Heated Purge: Y Date Analyzed: 12/07/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		11	U
540-59-0-----	1,2-Dichloroethene (Total)		11	U
75-01-4-----	Vinyl chloride		11	U
108-88-3-----	Toluene		11	U
1330-20-7-----	Total Xylenes		11	U

**PRELIMINARY**

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-4RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: IA12Matrix: (soil/water) SOIL Lab Sample ID: A4705702RISample wt/vol: 5.00 (g/mL) G Lab File ID: H6620.MSOLevel: (low/med) LOW Date Samp/Recv: 12/05/94 12/05/94\* Moisture: not dec. 10.2 Heated Purge: Y Date Analyzed: 12/07/94GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	11	U
1330-20-7-----	Total Xylenes	11	U

**PRELIMINARY**

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Recrea Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) WATER Lab Sample ID: A4705701

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: H6612.MSO

Level: (low/med) LOW Date Samp/Recv: 12/05/94 12/05/94

% Moisture: not dec. \_\_\_\_\_ Heated Purge: N Date Analyzed: 12/07/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
79-01-6	Trichloroethene	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
75-01-4	Vinyl chloride	10	U
108-88-3	Toluene	10	U
1330-20-7	Total Xylenes	10	U

PRELIMINARY

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-A1-4

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No: S94-024a

Matrix: (soil/water) Soil

Lab Sample ID: 0193344

Sample wt/vol: 33.1g

Lab File ID: &gt;1C039

Level: (low/med) Low

Date Received: 12/05/94

% Moisture: 9.3 Decanted: (Y/N)N

Date Extracted: 12/06/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 12/06/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GFC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
<del>METHOD 8270</del>			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	210	J
206-44-0	Fluoranthene	480	J
129-00-0	Pyrene	300	J
117-81-7	bis(2-Ethylhexyl) phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	J
<del>METHOD 8310</del>			
56-55-3	Benzo(a)anthracene	96	B
218-01-9	Chrysene	180	
50-32-8	Benzo(a)pyrene	81	B
53-70-3	Dibenzo(a,h)anthracene	84	

S94-024

# CHAIN OF CUSTODY RECORD

LEVEL & ID NUMBER: **68** SITE NAME: **SEDA Ashland Full Phase II**

SIGNATURE/SAFETY FIRM: **Linda O. White**

DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS
12-5-94	1755			T. A1-H	1
12-4-94	1430	✓		SEDA-POTW2 (POTW) <sup>707 feet</sup>	1

ANAL YTES  
 GREGORY  
 NOS &  
 SITE SPECIFICS

170 STAS  
 SENT TO T.M. & B.

METHODS  
 SENT TO T.M. & B.

170 STAS  
 SENT TO T.M. & B.

NO. OF CONTAINERS	FIELD REMARKS	AC
1	0193343	0193
1		0193

CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT REFAC ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THIS DOC.

INITIAL REPORT IS TO BAY TAT + IS  
 BE ENTERED IN AQMS, AD S94-024B

SHIPPED BY (SIGNATURE): <i>[Signature]</i>	DATE: 12/5/94	TIME: 1755	RECEIVED BY (SIGNATURE):	DATE:	TIME:
FOR LABORATORY (SIGNATURE): <i>[Signature]</i>	DATE: 12/5/94	TIME: 1930	RECEIVED BY (SIGNATURE):	DATE:	TIME:

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EASTMAN KODAK COMPANY  
 Rochester, New York 14650  
 716 728-3357



ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-5

Lab Name: Recra Environmental Contract: \_\_\_\_\_Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12Matrix: (soil/water) SOIL Lab Sample ID: A4709603Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6618.MSOLevel: (low/med) LOW Date Samp/Recv: 12/06/94 12/06/94% Moisture: not dec. 6.0 Heated Purge: Y Date Analyzed: 12/07/94GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		11	U
540-59-0-----	1,2-Dichloroethene (Total)		11	U
75-01-4-----	Vinyl chloride		11	U
108-88-3-----	Toluene		11	U
1330-20-7-----	Total Xylenes		11	U

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-5RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) SOIL Lab Sample ID: A4709603RI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6621.MSO

Level: (low/med) LQW Date Samp/Recv: 12/06/94 12/06/94

% Moisture: not dec. 6.0 Heated Purge: Y Date Analyzed: 12/07/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
75-01-4-----	Vinyl chloride	11	U
108-88-3-----	Toluene	11	U
1330-20-7-----	Total Xylenes	11	U

**PRELIMINARY**

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-21-5
--------

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S94-025

Matrix: (soil/water) Soil

Lab Sample ID: 0193363

Sample wt/vol: 32.2g

Lab File ID: &gt;1C047

Level: (low/med) Low

Date Received: 12/06/94

% Moisture: 6.7 Decanted: (Y/N)N

Date Extracted: 12/07/94

Concentrated Extract Volume: 2000(uL)

Date Analyzed: 12/08/94

Injection Volumes: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
<b>METHOD 8270</b>			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	180	J
206-44-0	Fluoranthene	300	J
129-00-0	Pyrene	190	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	220	J
<b>METHOD 8310</b>			
56-55-3	Benzo(a)anthracene	510	B
218-01-9	Chrysene	300	
50-32-8	Benzo(a)pyrene	420	B
53-70-3	Dibenzo(a,h)anthracene	230	

# CHAIN OF CUSTODY RECORD

ASB

METHODS  
WLD 1100  
SEM V  
GJAT W 829



JOB # 568  
LEVEL 4 ID NUMBER TRD  
SITE NAME SEDA Ashland Fill  
PHASE II

ANAL YTES  
SPEQRY  
SITE SPECIFIC

ANALYSTS  
ITD  
FOR SEM V

FIELD REMARKS

12/1/94

NO. OF CONTAINERS

2  
1

019  
019

DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS
12/1/94	13:10		Y	C-12-a	2
12/1/94	14:00	✓		T-A1-5	1

REMARKS -- CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT SPEC ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THIS ODC

ENDORSED BY (SIGNATURE)  
 RECEIVED FOR LABORATORY BY (SIGNATURE)  
 DATE 12/6/94 TIME 19:25  
 DATE 12/6/94 TIME 17:53

RECEIVED BY (SIGNATURE)  
 Shari Rottke

REQUISITIONED BY (SIGNATURE)

DATE  
 TIME  
 RECEIVED  
 EASTUAN KODAK COMPANY  
 ROCKSBURY, NEW YORK 14660  
 716 722-3357

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ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-6

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) SOIL Lab Sample ID: A4714602

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6629.MSO

Level: (low/med) LOW Date Samp/Recv: 12/07/94 12/07/94

% Moisture: not dec. 6.8 Heated Purge: Y Date Analyzed: 12/08/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		11	U
540-59-0	1,2-Dichloroethene (Total)		11	U
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		11	U
1330-20-7	Total Xylenes		11	U

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-6RI

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) SOIL Lab Sample ID: A4714602RI

Sample wt/vol: 5.00 (g/mL) G Lab File ID: H6630.MSO

Level: (low/med) LOW Date Samp/Recv: 12/07/94 12/07/94

% Moisture: not dec. 6.8 Heated Purge: Y Date Analyzed: 12/08/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		11	U
540-59-0-----	1,2-Dichloroethene (Total)		11	U
75-01-4-----	Vinyl chloride		11	U
108-88-3-----	Toluene		11	U
1330-20-7-----	Total Xylenes		11	U

**PRELIMINARY**

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) WATER Lab Sample ID: A4714601

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: H6627.MSO

Level: (low/med) LOW Date Samp/Recv: 12/07/94 12/07/94

% Moisture: not dec. \_\_\_\_\_ Heated Purge: N Date Analyzed: 12/08/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
79-01-6	Trichloroethene		10	U
540-59-0	1,2-Dichloroethene (Total)		10	U
75-01-4	Vinyl chloride		10	U
108-88-3	Toluene		10	U
1330-20-7	Total Xylenes		10	U

PRELIMINARY

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-A1-6
--------

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: 394-026

Matrix: (soil/water) Soil

Lab Sample ID: 0193393

Sample wt/vol: 32.8g

Lab File ID: &gt;1C052

Level: (low/med) Low

Date Received: 12/07/94

% Moisture: 8.5 Decanted: (Y/N)N

Date Extracted: 12/08/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 12/08/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
METHOD 8270			
91-20-3	Naphthalene	660	U
85-01-8	Phenanthrene	110	J
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	92	J
117-81-7	bis(2-Ethylhexyl)phthalate	290	J
193-39-5	Indeno(1,2,3-cd)pyrene	96	J
METHOD 8310			
56-55-3	Benzo(a)anthracene	180	B
218-01-9	Chrysene	110	B
50-32-8	Benzo(a)pyrene	110	B
53-70-3	Dibenzo(a,h)anthracene	34	





S94-026 ASD  
**CHAIN OF CUSTODY RECORD**

JOB # 1508  
 LEVEL 4 ID NUMBER TBD  
 SITE NAME SEDA Ash-landfill Phase II

ANALYSTS  
 SPECIFY TCS & SITE PRECIPITS

LABORATORY SIGNATURE (SAMPLING FIRM)  
 Patricia O. Wright / I.T. Laboratories

STATION NO. A1-12  
 DATE 12/11/94  
 TIME 11:45  
 COMP.   
 GRAB

STATION LOCATION T-A1-6

NO. OF CONTAINERS 1

THE CONTAINER

FIELD REMARKS

12-13-94

019

METHODS  
 02 Glass Fiber Sintered Filter

URIS - CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT BEAS ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS OF THIS DDG

RECEIVED BY (SIGNATURE)  
 Shari Ratka

DATE 12-7-94  
 TIME 19:25

RECEIVED BY (SIGNATURE)  
 Shari Ratka

DATE

TIME

EASTMAN KODAK COMPANY  
 ROCHESTER, New York 14650  
 716 722-3357

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ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-7

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) SOIL Lab Sample ID: A4719003

Sample wt/vol: 5.20 (g/mL) G Lab File ID: H6639,MSQ

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/08/94

% Moisture: not dec. 3.9 Heated Purge: Y Date Analyzed: 12/09/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
75-01-4-----	Vinyl chloride	10	U
108-88-3-----	Toluene	3	BJ
1330-20-7-----	Total Xylenes	2	J

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-7RE

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) SOIL Lab Sample ID: A4719003RI

Sample wt/vol: 5.17 (g/mL) G Lab File ID: H6640.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/08/94

% Moisture: not dec. 3.9 Heated Purge: Y Date Analyzed: 12/09/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
75-01-4-----	Vinyl chloride	10	U
108-88-3-----	Toluene	3	BJ
1330-20-7-----	Total Xylenes	1	J

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) WATER Lab Sample ID: A4719001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: H6636.MSO

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/08/94

% Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 12/09/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
79-01-6-----	Trichloroethene		10	U
540-59-0-----	1,2-Dichloroethene (Total)		10	U
75-01-4-----	Vinyl chloride		10	U
108-88-3-----	Toluene		10	U
1330-20-7-----	Total Xylenes		10	U

**PRELIMINARY**


1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-A1-7

Lab Name: EAS (Kodak) Contract: Seneca Army Depot (IT)  
Lab Code: 10146 Case No: \_\_\_\_\_ EAS No: \_\_\_\_\_ SDS No: S94-027  
Matrix: (soil/water) Soil Lab Sample ID: 019399  
Sample wt/vol: 33.6g Lab File ID: >1C060  
Level: (low/med)Low Date Received: 12/08/94  
% Moisture: 10.6 Decanted: (Y/N)N Date Extracted: 12/09/94  
Concentrated Extract Volume: 2000 (uL) Date Analyzed: 12/09/94  
Injection Volume: 1 (uL) Dilution Factor: 2  
GPC Cleanup: (Y/N)N pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
91-20-3	Naphthalene	56	J
85-01-8	Phenanthrene	110	J
206-44-0	Fluoranthene	99	J
129-00-0	Pyrene	85	J
117-81-7	bis (2-Ethylhexyl) phthalate	660	U
193-39-5	Indeno (1,2,3-cd) pyrene	150	J
56-55-3	Benzo (a) anthracene	370	B
215-01-9	Chrysene	170	
50-32-8	Benzo (a) pyrene	350	B
53-70-3	Dibenzo (a,h) anthracene	18	U

 <b>CHAIN OF CUSTODY RECORD</b> 894-027 AB		ANALYSES FOR: <i>Asbestos</i> Check all that apply: <input type="checkbox"/> Soil <input type="checkbox"/> Air		TURNAROUND TIME: <b>3</b> BUSINESS DAYS: <b>12-13-94</b> ADDRESS: <b>0193439</b>
		FIELD REMARKS:		
ASB ANALYST: <i>Patricia A. White</i> I.T. Corp.	SITE NAME: <b>SEBA Ash Landfill Phase II</b> N.D. OF CONTAINERS: <b>1</b>	DATE: <b>12-9-94</b> TIME: <b>5:30</b> V	SYMBOLOGY: <b>T-A1-7</b>	FIELD REMARKS:
ANALYST: <i>Patricia A. White</i> I.T. Corp.	DATE: <b>12-9-94</b> TIME: <b>5:30</b> V	SYMBOLOGY: <b>T-A1-7</b>	FIELD REMARKS:	FIELD REMARKS:

REMARKS - CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT BRIG ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THIS CASE

RECEIVED BY (SIGNATURE): <i>Janie Kotka</i> DATE: <b>12-8-94</b> TIME: <b>0725</b>	RECEIVED BY (SIGNATURE): DATE: TIME:
RECEIVED BY (SIGNATURE): <i>Janie Kotka</i> DATE: <b>12-8-94</b> TIME: <b>1930</b>	RECEIVED BY (SIGNATURE): DATE: TIME:

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EASTMAN KODAK COMPANY  
 Rochester, New York 14650  
 716-778-0000

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-8

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) SOIL Lab Sample ID: A4724903

Sample wt/vol: 5.05 (g/mL) G Lab File ID: H5663.MSO

Level: (low/med) LOW Date Samp/Recv: 12/09/94 12/09/94

% Moisture: not dec. 14.4 Heated Purge: Y Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6-----	Trichloroethene	12	U
540-59-0-----	1,2-Dichloroethene (Total)	2	J
75-01-4-----	Vinyl chloride	12	U
108-88-3-----	Toluene	2	J
1330-20-7-----	Total Xylenes	12	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-8 MS

Lab Name: Recre Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) SOIL Lab Sample ID: A4724903MS

Sample wt/vol: 5.03 (g/mL) 0 Lab File ID: H6654.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/09/94 12/09/94

% Moisture: not dec. 14.4 Heated Purge: Y Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6-----	Trichloroethene		54	
340-89-0-----	1,2-Dichloroethane (Total)		1	J
75-01-4-----	Vinyl chloride		12	U
108-88-3-----	Toluene		58	
1330-20-7-----	Total Xylenes		12	U



ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-8 MSD

Lab Name: Recre Environmental Contract: \_\_\_\_\_

Lab Code: RECNX Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) SOIL Lab Sample ID: A4724903SD

Sample wt/vol: 5.01 (g/mL) G Lab File ID: H6665.MSO

Level: (low/med) LOW Date Samp/Recv: 12/09/94 12/09/94

% Moisture: not dec. 14.4 Heated Purge: Y Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		
		(ug/L or ug/Kg)	UG/KG	
79-01-6-----	Trichloroethene		56	
540-59-0-----	1,2-Dichloroethene (Total)		1	J
75-01-4-----	Vinyl chloride		12	U
108-88-3-----	Toluene		65	
1330-20-7-----	Total Xylenes		12	U

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Regra Environmental Contract: \_\_\_\_\_

Lab Code: RHCNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA12

Matrix: (soil/water) WATER Lab Sample ID: A4724901

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: H6661.MSO

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
79-01-6-----	Trichloroethene		10	U
540-59-0-----	1,2-Dichloroethene (Total)		10	U
75-01-4-----	Vinyl chloride		10	U
108-88-3-----	Toluene		10	U
1330-20-7-----	Total xylenes		10	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-A1-8

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S94-028

Matrix: (soil/water) Soil

Lab Sample ID: 0193617

Sample wt/vol: 35.4g

Lab File ID: &gt;1C064

Level: (low/med) Low

Date Received: 12/09/94

% Moisture: 15.2 Decanted: (Y/N)N

Date Extracted: 12/12/94

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 12/12/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
METHOD B276			
91-20-3	Naphthalene	53	J
85-01-8	Phenanthrene	110	J
206-44-0	Fluoranthene	140	J
129-00-0	Pyrene	140	J
117-81-7	bis(2-Ethylhexyl)phthalate	660	U
193-39-5	Indeno(1,2,3-cd)pyrene	210	J
METHOD B310			
56-55-3	Benzo(a)anthracene	350	B
218-01-9	Chrysene	170	
50-32-8	Benzo(a)pyrene	390	B
53-70-3	Dibenzo(a,h)anthracene	420	B



# CHAIN OF CUSTODY RECORD

574-028

BU:   
 LEVEL & ID NUMBER   
 T-8D

SITE NAME   
 SEDA Ash-landfill   
 Phase II

ANALYZES   
 TCS &   
 SITE SPECIFICS

ANALYZES   
 SPECIFY   
 THE CONTAINER   
 TO BE USED

METHODS   
 USE GLASS FOR SAMPLING

DATE   
 12/14/94

TIME   
 11:25

COMP.   
 ✓

GRAB

STATION LOCATION   
 T-A1-8

NO. OF CONTAINERS   
 1

FIELD REMARKS   
 0193

1. FOLLOW PROJECT BEAC ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THIS CODE

ISSUED BY (SIGNATURE)   
 [Signature]

DATE/TIME   
 12/09/94 17:14

RECEIVED BY (SIGNATURE)

RECEIVED BY (SIGNATURE)

DATE

TIME

RECEIVED BY

FOR LABORATORY BY (SIGNATURE)   
 [Signature]

DATE/TIME   
 12/14/94 19:40

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EASTMAN KODAK COMPANY  
Rochester, New York 14650  
716 722-3857



ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-9

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA19

Matrix: (soil/water) SOIL Lab Sample ID: A4738303

Sample wt/vol: 5.09 (g/mL) G Lab File ID: H6726.MSO

Level: (low/med) LOW Date Samp/Recv: 12/15/94 12/15/94

% Moisture: not dec. 11.5 Heated Purge: Y Date Analyzed: 12/16/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/KG</u>	<u>Q</u>
79-01-6	Trichloroethene		10	J
540-59-0	1,2-Dichloroethene (Total)		12	
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		11	U
1330-20-7	Total Xylenes		11	U

PRELIMINARY

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Recre Environmental Contract: \_\_\_\_\_Lab Code: RECNV Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA19Matrix: (soil/water) WATER Lab Sample ID: A4738301Sample wt/vol: 5.00 (g/mL) ML Lab File ID: H6723.MSQLevel: (low/med) LOW Date Samp/Recv: 12/15/94 12/15/94% Moisture: not dec. \_\_\_\_\_ Heated Purge: Y Date Analyzed: 12/16/94GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
79-01-6-----	Trichloroethene		10	U
540-59-0-----	1,2-Dichloroethene (Total)		10	U
75-01-4-----	Vinyl chloride		10	U
108-88-3-----	Toluene		10	U
1330-20-7-----	Total Xylenes		10	U

PRELIMINARY

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-A1-9

Lab Name: EAS (Kodak)

Contract: Seneca Army Depot (IT)

Lab Code: 10146

Case No: \_\_\_\_\_

SAS No: \_\_\_\_\_

SDG No: S94-029

Matrix: (soil/water) Soil

Lab Sample ID: 0193751

Sample wt/vol: 34.5g

Lab File ID:

Level: (low/med) Low

Date Received: 12/15/94

% Moisture: 13 Decanted: (Y/N)N

Date Extracted: 12/16/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/17/94

Injection Volume: 1

(uL)

Dilution Factor: 2

GPC Cleanup: (Y/N)N

pH: NA

CAS NO	COMPOUND	CONCENTRATION ug/Kg	Q
<b>METHOD 8270</b>			
91-20-3	Naphthalene	450	J
85-01-8	Phenanthrene	2200	
206-44-0	Fluoranthene	2500	
129-00-0	Pyrene	1800	
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
193-39-5	Indeno(1,2,3-cd)pyrene	930	J
<b>METHOD 8310</b>			
56-55-3	Benzo(a)anthracene	760	B
218-01-9	Chrysene	490	B
50-32-8	Benzo(a)pyrene	800	B
53-70-3	Dibenzo(a,h)anthracene	400	

S94-029

# CHAIN OF CUSTODY RECORD <sup>RRD</sup>

TURNAROUND TIME  
3

LEVEL 4 ID NUMBER  
73D

SITE NAME  
SEDA Ash - Jareffill Phase II

LABORATORY SAMPLING FIRM  
Eric A. Wright / I.T. Corp.

DATE TIME COMP. GRAB STAT/ID# LOCATION  
5/4/00 1040 ✓ T-A1-9

NO. OF CONTAINERS  
1

PREPARE CONTAINER FOR ANALYTES

FIELD REMARKS

ACMS #  
019375

METHODS  
ANALYTES  
SPECIFIC SITE SPECIFICS

5/6/00/RRD

CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT REAC ANALYTICAL REQUIREMENTS  2. FOLLOW ANALYTICAL REQUIREMENTS ON THIS COC

(SIGNATURE)  
M.T. Wright

DATE TIME  
12/15/94 17:15

RECEIVED BY (SIGNATURE)  
Shari Kather

RELINQUISHED BY (SIGNATURE)

DATE TIME  
RECEIVED BY (SIGNATURE)

(SIGNATURE)  
S. Kather

DATE TIME  
12/15/94 12:05

**COC**  
EASTMAN MODAK COMPANY  
Rochester, New York 14650  
716 722-3857

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ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

T-A1-10

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA19

Matrix: (soil/water) SOIL Lab Sample ID: A4744902

Sample wt/vol: 5.01 (g/mL) G Lab File ID: G1794.MSQ

Level: (Low/med) LOW Date Samp/Recv: 12/17/94 12/19/94

% Moisture: not dec. 12.8 Heated Purge: Y Date Analyzed: 12/20/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene		11	U
540-59-0	1,2-Dichloroethene (Total)		11	U
75-01-4	Vinyl chloride		11	U
108-88-3	Toluene		11	U
1330-20-7	Total Xylenes		11	U

**PRELIMINARY**

ASP91-1 - SELECT VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Recra Environmental Contract: \_\_\_\_\_Lab Code: RECNY Case No.: 5192 SAS No.: \_\_\_\_\_ SDG No.: TA19Matrix: (soil/water) WATER Lab Sample ID: A4744901Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G1791.MSQLevel: (low/med) LOW Date Samp/Recv: 12/17/94 12/19/94% Moisture: not dec. \_\_\_\_\_ Heated Purge: N Date Analyzed: 12/20/94GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
79-01-6-----	Trichloroethene		10	U
540-59-0-----	1,2-Dichloroethene (Total)		10	U
75-01-4-----	Vinyl chloride		10	U
108-88-3-----	Toluene		10	U
1330-20-7-----	Total Xylenes		10	U

PRELIMINARY

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-A1-10

Lab Name: EAS (Kodak) Contract: Seneca Army Depot (IT)  
 Lab Code: 10146 Case No: \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No: 994-031  
 Matrix: (soil/water) Soil Lab Sample ID: 0193811  
 Sample wt/vol: 32.5 g Lab File ID:  
 Level: (low/med) Low Date Received: 12/19/94  
 % Moisture: 7.7 Decanted: (Y/N)N Date Extracted: 12/19/94  
 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 12/20/94  
 Injection Volume: 1 (uL) Dilution Factor: 2  
 GPC Cleanup: (Y/N)N pH: NA

CAS NO	COMPOUND	CONCENTRATION (ug/L or ug/kg)	Q
<b>METHOD 5270</b>			
91-20-3	Naphthalene	77	J
85-01-8	Phenanthrene	420	J
206-44-0	Fluoranthene	480	J
129-00-0	Pyrene	260	J
117-81-7	bis(2-Ethylhexyl)phthalate	130	J
193-39-5	Indeno(1,2,3-cd)pyrene	150	J
<b>METHOD 5310</b>			
56-55-3	Benzo(a)anthracene	150	B
218-01-9	Chrysene	140	B
50-32-8	Benzo(a)pyrene	170	B
53-70-3	Dibenzo(a,h)anthracene	89	B

TCLP Total Metals Analysis

Company: Recra Environmental, Inc.  
 No: A94-6599  
 Sample ID: A4659907  
 Sample ID: T-B2-M5 (COMP)  
 TB29

REGNY

Matrix: Soil:Leachate  
 Sample Date: 11/17/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	CLP-M	11/22/94	11/23/94	5000	6.0	-
Barium - Total	CLP-M	11/22/94	11/23/94	100000	824	-
Cadmium - Total	CLP-M	11/22/94	11/23/94	1000	5.0	-
Chromium - Total	CLP-M	11/22/94	11/23/94	5000	10	-
Lead - Total	CLP-M	11/22/94	11/23/94	5000	84.0	-
Mercury - Total	CLP-M	11/25/94	11/25/94	200	0.20	-
Selenium - Total	CLP-M	11/22/94	11/23/94	1000	30.0	-
Silver - Total	CLP-M	11/22/94	11/23/94	5000	0.20	-

TULP Total Metals Analysis

Laboratory: Recra Environmental, Inc. - REONY  
 Job No: A94-6642  
 Sample ID: A4664204  
 Test Sample ID: T-B2-M6  
 No: TB29

Matrix: Soil:Leachate  
 Sample Date: 11/18/94  
 Dilution Factor: 1

HW Number	Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
04	Arsenic - Total	CLP-M		11/25/94	5000	8.0	-
05	Barium - Total	CLP-M		11/25/94	100000	830	-
06	Cadmium - Total	CLP-M		11/25/94	1000	10	-
07	Chromium - Total	CLP-M		11/25/94	5000	10	-
08	Lead - Total	CLP-M		11/25/94	5000	30.0	-
09	Mercury - Total	CLP-M		11/23/94	200	0.20	-
10	Selenium - Total	CLP-M		11/25/94	1000	22.0	-
11	Silver - Total	CLP-M		11/28/94	5000	0.20	-

**PRELIMINARY**

TCLP Total Metals Analysis

Laboratory: Recra Environmental, Inc. - REOW  
 Lab No: A94-6674  
 Sample ID: M4667404  
 Sample ID: T-B2-MT  
 TB29

Matrix: Soil:Leachate  
 Sample Date: 11/19/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	CLP-M		11/29/94	5000	7.0	-
Barium - Total	CLP-M		11/29/94	100000	714	-
Cadmium - Total	CLP-M		11/29/94	1000	5.0	-
Chromium - Total	CLP-M		11/29/94	5000	10	-
Lead - Total	CLP-M		11/29/94	5000	30.0	-
Mercury - Total	CLP-M		11/29/94	200	0.020	-
Selenium - Total	CLP-M		11/30/94	1000	3.0	-
Silver - Total	CLP-M		11/28/94	5000	0.30	-

PRELIM.

TCLP Total Metals Analysis

Laboratory: Rebra Environmental, Inc. - RBCNY  
 No: A94-6674  
 Site ID: Z3667408  
 Sample ID: T-B3 M9  
 TB29

Matrix: Soil:Leachate  
 Sample Date: 11/20/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	CLP-M		11/29/94	5000	4.0	-
Barium - Total	CLP-M		11/29/94	100000	679	-
Cadmium - Total	CLP-M		11/29/94	1000	5.0	-
Chromium - Total	CLP-M		11/29/94	5000	10	-
Lead - Total	CLP-M		11/29/94	5000	49.0	-
Mercury - Total	CLP-M		11/29/94	200	0.020	-
Selenium - Total	CLP-M		11/30/94	1000	3.0	-
Silver - Total	CLP M		11/28/94	5000	0.30	-

PRELIMINARY

TCLP Total Metals Analysis

Laboratory: Recra Environmental, Inc. - RSONY  
 No: A94-6712  
 Sample ID: A4671204  
 Sample ID: T-B3-ME  
 TB32

Matrix: Soil:Leachate  
 Sample Date: 11/21/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	CLP-M		11/29/94	5000	4.0	-
Barium - Total	CLP-M		11/29/94	100000	1780	-
Cadmium - Total	CLP-M		11/29/94	1000	5.0	-
Chromium - Total	CLP-M		11/29/94	5000	10	-
Lead - Total	CLP-M		11/29/94	5000	30.0	-
Mercury - Total	CLP-M		11/29/94	200	0.020	-
Selenium - Total	CLP-M		11/30/94	1000	3.0	-
Silver - Total	CLP-M		11/29/94	5000	0.30	-

PRELIMINARY



TCLP Total Metals Analysis

tory: Rebra Environmental, Inc. - RECONY  
 b No: A94-6809  
 mple ID: A4680903  
 Sample ID: T-B3-M10 (COMP)  
 : TB32

Matrix: Soil:Leachate  
 Sample Date: 11/23/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	CIP-M		12/01/94	5000	4.0	-
Barium - Total	CIP-M		12/02/94	100000	877	-
Cadmium - Total	CIP-M		12/02/94	1000	10	-
Chromium - Total	CIP-M		12/02/94	5000	10	-
Lead - Total	CIP-M		12/02/94	5000	30.0	-
Mercury - Total	CIP-M		12/01/94	200	0.020	-
Selenium - Total	CIP-M		12/02/94	1000	50.0	-
Silver - Total	CIP-M		12/02/94	5000	0.50	-

**PRELIMINARY**

TCLP Total Metals Analysis

Laboratory: Recra Environmental, Inc. - RECONY  
 Sample No: A94-6823  
 Sample ID: A4682306  
 Sample ID: T-B3-M01  
 TB32

Matrix: Soil:Leachate  
 Sample Date: 11/24/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	CLP-M		12/01/94	5000	5.0	-
Barium - Total	CLP-M		12/02/94	100000	20.0	-
Cadmium - Total	CLP-M		12/02/94	1000	10	-
Chromium - Total	CLP-M		12/02/94	5000	10	-
Lead - Total	CLP-M		12/02/94	5000	30.0	-
Mercury - Total	CLP-M		12/01/94	200	0.020	-
Selenium - Total	CLP-M		12/03/94	1000	50.0	-
Silver - Total	CLP-M		12/02/94	5000	0.50	-

**PRELIMINARY**

TCLP Total Metals Analysis

Company: Reira Environmental, Inc. ... REINY  
 ID No: A94-6823  
 Sample ID: A4682307  
 Sample ID: T-B3-M1.2  
 TB32

Matrix: Soil:Leachate  
 Sample Date: 11/25/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	CLP-M		12/01/94	5000	4.0	-
Barium - Total	CLP-M		12/02/94	100000	751	-
Cadmium - Total	CLP-M		12/02/94	1000	10	-
Chromium - Total	CLP-M		12/02/94	5000	10	-
Lead - Total	CLP-M		12/02/94	5000	30.0	-
Mercury - Total	CLP-M		12/01/94	200	0.020	-
Selenium - Total	CLP-M		12/03/94	1000	5.0	-
Silver - Total	CLP-M		12/02/94	5000	0.50	-

**PRELIMINARY**

ICLP Total Metals Analysis

Company: Recra Environmental, Inc. - RBCNY  
 ID No: A94-6831  
 Sample ID: A4683106  
 Sample ID: T-B4-M13 (COMP)  
 TB32

Matrix: Soil:leachate  
 Sample Date: 11/26/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	CLP-M		12/01/94	5000	5.0	-
Barium - Total	CLP-M		12/02/94	100000	871	-
Cadmium - Total	CLP-M		12/02/94	1000	10	-
Chromium - Total	CLP-M		12/02/94	5000	10	-
Lead - Total	CLP-M		12/02/94	5000	30.0	-
Mercury - Total	CLP-M		12/01/94	200	0.020	-
Selenium - Total	CLP-M		12/03/94	1000	50.0	-
Silver - Total	CLP M		12/02/94	5000	0.50	-

**PRELIMINARY**

TCLP Total Metals Analysis

Laboratory: Recra Environmental, Inc. -- REGNY  
 ID No: A94-6832  
 Sample ID: A4683203  
 Sample ID: T-B4-M14 (COMP)  
 TB47

Matrix: Soil: Leachate  
 Sample Date: 11/27/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	CLP-M		12/01/94	5000	4.0	-
Barium - Total	CLP-M		12/02/94	100000	860	-
Cadmium - Total	CLP-M		12/02/94	1000	10	-
Chromium - Total	CLP-M		12/02/94	5000	10	-
Lead - Total	CLP-M		12/02/94	5000	30.0	-
Mercury - Total	CLP-M		12/01/94	200	0.020	-
Selenium - Total	CLP-M		12/03/94	1000	50.0	-
Silver - Total	CLP-M		12/02/94	5000	0.50	-

**PRELIMINARY**

TCLP Total Metals Analysis

Laboratory: Rebra Environmental, Inc. - REGNY  
 Lab No: A94-6844  
 Sample ID: A4684404  
 Sample ID: T-B4-M15 (COMP)  
 : JB47

Matrix: Soil:Leachate  
 Sample Date: 11/28/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	CLP-M		12/01/94	5000	6.0	-
Barium - Total	CLP-M		12/02/94	100000	919	-
Cadmium - Total	CLP-M		12/02/94	1000	10	-
Chromium - Total	CLP-M		12/02/94	5000	10	-
Lead - Total	CLP-M		12/02/94	5000	30.0	-
Mercury - Total	CLP-M		12/01/94	200	0.020	-
Selenium - Total	CLP-M		12/03/94	1000	50.0	-
Silver - Total	CLP-M		12/02/94	5000	0.50	-

**PRELIMINARY**

TCIP Total Metals Analysis

Company: Rebra Environmental, Inc. - REONY  
 Sample No: A94-689I  
 Sample ID: A4689I.C1  
 Sample ID: T-E4-ML6 (COMP)  
 TB47

Matrix: Soil:Leachate  
 Sample Date: 11/30/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	CLP-M		12/04/94	5000	4.0	-
Barium Total	CLP-M		12/04/94	100000	1000	-
Cadmium - Total	CLP-M		12/04/94	1000	10	-
Chromium - Total	CLP-M		12/04/94	5000	10	-
Lead - Total	CLP-M		12/04/94	5000	30.0	-
Mercury - Total	CLP-M		12/03/94	200	0.020	-
Selenium - Total	CLP-M		12/04/94	1000	4.0	-
Silver - Total	CLP M		12/05/94	5000	0.50	-

**PRELIMINARY**

TCLP Total Metals Analysis

Laboratory: Recra Environmental, Inc. - RBONY  
 Lab No: A94-6927  
 Sample ID: M692703  
 Sample ID: T-B4-M17  
 TB47

Matrix: Soil:Leachate  
 Sample Date: 12/01/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	CIF-M			5000	4.0	-
Barium - Total	CIF-M			100000	838	-
Cadmium - Total	CIF-M			1000	10	-
Chromium - Total	CIF-M			5000	10	-
Lead - Total	CIF-M			5000	30.0	-
Mercury - Total	CIF-M			200	0.020	-
Selenium - Total	CIF-M			1000	5.0	-
Silver - Total	CIF-M			5000	0.50	-

PRELIMINARY



Toxicity Characteristic Leaching Procedure  
TOTAL METALS

Laboratory: Rocra Environmental, Inc. - RECNY  
 Sample No: A94-7023  
 Sample ID: A4702309  
 Sample ID: EB-B4-18  
 TB47

Matrix: Aqueous:Leachate  
 Sample Date: 12/03/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	PQL	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	CLP-M		12/08/94	5000	0	4.0	-
Barium - Total	CLP-M		12/08/94	10000	0	20.0	-
Cadmium - Total	CLP-M		12/08/94	1000	0	10	-
Chromium - Total	CLP-M		12/08/94	5000	0	10	-
Copper - Total	CLP-M		12/10/94	5000	0	2.0	-
Mercury - Total	CLP-M		12/08/94	200	0	0.020	-
Selenium - Total	CLP-M		12/08/94	1000	0	3.0	-
Silver - Total	CLP-M		12/08/94	5000	0	10	-

TCLP Total Metals Analysis

Company: Recra Environmental, Inc. - RECONY  
 File No: A94-7023  
 File ID: A4702308  
 Sample ID: T-A1-M1  
 TB47

Matrix: Soil:leachate  
 Sample Date: 12/04/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	CLP-M		12/08/94	5000	6.0	-
Barium - Total	CLP-M		12/08/94	100000	820	-
Cadmium - Total	CLP-M		12/08/94	1000	10	-
Chromium - Total	CLP-M		12/08/94	5000	10	-
Lead - Total	CLP-M		12/08/94	5000	61.0	-
Mercury - Total	CLP-M		12/08/94	200	0.020	-
Selenium - Total	CLP-M		12/12/94	1000	4.0	-
Silver - Total	CLP-M		12/09/94	5000	6.50	-

TCLP Total Metals Analysis

Laboratory: Rebra Environmental, Inc.  
 Lab No: A94-7057  
 Sample ID: A4705703  
 Sample ID: T-AJ-M5  
 : TAJ2

RECNY

Matrix: Soil:Leachate  
 Sample Date: 12/05/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	CLP-M		12/09/94	5000	7.0	-
Barium - Total	CLP-M		12/09/94	100000	923	-
Cadmium - Total	CLP-M		12/09/94	1000	10	-
Chromium - Total	CLP-M		12/09/94	5000	10	-
Lead - Total	CLP-M		12/09/94	5000	98.0	-
Mercury - Total	CLP-M		12/08/94	200	0.020	-
Selenium - Total	CLP-M		12/12/94	1000	10	-
Silver - Total	CLP-M		12/09/94	5000	0.50	-

TCLP Total Metals Analysis

Recrea Environmental, Inc. - REGOY  
 A94-7146  
 ID: AA714603  
 e ID: T-AL-M3  
 TA12

Matrix: Soil:Leachate  
 Sample Date: 12/07/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)	Q
Chromium - Total	CLP-M		12/14/94	5000	9.0	-	U
Cadmium - Total	CLP-M		12/14/94	100000	986	-	U
Mercury - Total	CLP-M		12/14/94	1000	10	-	U
Lead - Total	CLP-M		12/14/94	5000	10	-	U
Vanadium - Total	CLP-M		12/14/94	5000	66.0	-	U
Chromium - Total	CLP-M		12/15/94	200	0.020	-	U
Mercury - Total	CLP-M		12/14/94	1000	4.0	-	U
Vanadium - Total	CLP-M		12/15/94	5000	0.50	-	U

PRELIMINARY

TCLP Total Metals Analysis

Laboratory: Recro Environmental, Inc. - RECOV  
 Lab Job No: A94-7249  
 Lab Sample ID: M724902  
 Client Sample ID: T-A1-M6  
 SDG No: TAL2

Matrix: Soil:Leachate  
 Sample Date: 12/09/94  
 Dilution Factor: 1

EPA HW Number	Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
D004	Arsenic - Total	CLP-M	12/15/94	12/16/94	5000	5.0	-
D005	Barium - Total	CLP-M	12/15/94	12/16/94	100000	1030	-
D006	Cadmium - Total	CLP-M	12/15/94	12/16/94	1000	10	-
D007	Chromium - Total	CLP-M	12/15/94	12/16/94	5000	10	-
D008	Lead - Total	CLP-M	12/15/94	12/16/94	5000	214	-
D009	Mercury - Total	CLP-M	12/15/94	12/19/94	200	0.20	-
D010	Selenium - Total	CLP-M	12/15/94	12/16/94	1000	7.0	-
D011	Silver - Total	CLP-M	12/15/94	12/16/94	5000	0.90	-

**PRELIMINARY**

TCIP Total Metals Analysis

Laboratory: Rebra Environmental, Inc. - RBCNY  
 Lab Job No: A94-7383  
 Lab Sample ID: RA738302  
 Client Sample ID: T-R1-W7  
 SIG No: TA19

Matrix: Soil:Leachate  
 Sample Date: 12/15/94  
 Dilution Factor: 1

EPA ID Number	Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
D004	Arsenic - Total	7060	12/20/94	12/22/94	5000	4.0	-
D005	Barium - Total	6010	12/20/94	12/21/94	100000	905	-
D006	Cadmium - Total	6010	12/20/94	12/21/94	1000	10	-
D007	Chromium - Total	6010	12/20/94	12/21/94	5000	10	-
D008	Lead - Total	6010	12/20/94	12/21/94	5000	57.0	-
D009	Mercury - Total	7470	12/20/94	12/19/94	200	0.20	-
D010	Selenium - Total	7740	12/20/94	12/22/94	1000	5.0	-
D011	Silver - Total	6010	12/20/94	12/21/94	5000	10	-

**PRELIMINARY**

TCLP Total Metals Analysis

Company: Recra Environmental, Inc. - KENNY  
 ID No: A94-7449  
 Sample ID: A4744903  
 Sample ID: T-A1 M8  
 T-A19

Matrix: Soil:Leachate  
 Sample Date: 12/17/94  
 Dilution Factor: 1

Parameter	Method	Digestion Date	Analysis Date	Regulatory Level (UG/L)	Uncorrected Result (UG/L)	Bias Corrected Result (UG/L)
Arsenic - Total	7060		12/29/94	5000	12.0	-
Barium - Total	6010		12/29/94	100000	860	-
Cadmium - Total	6010		12/28/94	1000	10	-
Chromium - Total	6010		12/28/94	5000	10	-
Lead - Total	6010		12/28/94	5000	119	-
Mercury - Total	7470		12/28/94	200	0.020	-
Selenium - Total	6010		12/29/94	1000	4.0	-
Silver - Total	6010		12/28/94	5000	10	-

PRELIMINARY

***Appendix B***

***Water Analytical Data/Certificates of Analysis***



Appendix B  
Table 1  
U.S. Army Corps of Engineers Omaha District  
Seneca Army Depot Activity, Ash Landfill IRM  
Mid-Project Data Report  
Preliminary Water Data Summary

Site Specific Compounds	Sample Identification and Constituent Concentration (ppb)			
	D-12-1	D-34-1	C-12-1	C-12-2
<b>Volatiles</b>				
Trichloroethene	2.6	2.7	<0.20	N/A
1,2-Dichloroethene	7.1	5.9	<0.20	N/A
Vinyl Chloride	<1.0	<1.0	<1.0	N/A
Chloroform	1.4	<0.20	<0.20	N/A
1,1-Dichloroethene	<0.20	<0.20	<0.20	N/A
1,1-Dichloroethane	<0.20	<0.20	<0.20	N/A
1,1,1-Trichloroethane	<0.20	<0.20	<0.20	N/A
Tetrachloroethene	<0.20	<0.20	<0.20	N/A
Benzene	0.25	<0.20	<0.20	N/A
Toluene	0.28	<0.18	<0.20	N/A
Ethyl benzene	<0.20	3.9	<0.20	N/A
Total Xylenes	2.01	38.28	<0.20	N/A
<b>Semivolatiles</b>				
Napthalene	<10	<10	<10	N/A
Pentachlorophenol	<25	<25	<51	N/A
Phenol	<10	<10	<10*	N/A
4-Methylphenol	<10	<10	<10	N/A
2-Methylnapthalene	<10	<10	<10	N/A
Diethyl phthalate	<10	<10	<10	N/A
Di-n-butylphthalate	<10	<10	<10	N/A

See notes at end of table.

Appendix B  
Table 1 (con't)  
U.S. Army Corps of Engineers Omaha District  
Seneca Army Depot Activity, Ash Landfill IRM  
Mid-Project Data Report  
Preliminary Water Data Summary

Site Specific Compounds	Sample Identification and Constituent Concentration (ppb)			
	D-12-1	D-34-1	C-12-1	C-12-2
<b>Metals</b>				
Antimony	<2.5	<2.5	2.5	N/A
Arsenic	<1.5	<1.5	4.5	N/A
Barium	212	70.3	94	N/A
Beryllium	<1.5	<1.5	<0.0015	N/A
Cadmium	<2.5	<2.5	<0.0050	N/A
Chromium	41.5	9.3	13	N/A
Cobalt	10.6	<5.0	2.0	N/A
Copper	<5.0	14.2	42	N/A
Hexavalent Chromium	N/A	N/A	5.5	N/A
Iron	19600	5850	<b>9100*</b>	800
Lead	70.0	19.0	20	N/A
Magnesium	9980	5860	6500	N/A
Manganese	333	102	170	N/A
Mercury	<0.20	0.20	<0.020	N/A
Nickel	29.8	<10.0	14	N/A
Selenium	<15.0	<1.5	<0.030	N/A
Silver	<5.0	<5.0	<0.0050	N/A
Sodium	11900	9450	20500	N/A
Vanadium	54.1	10.7	14	N/A
Zinc	712	226	360	N/A
<b>Classical Chemistry</b>				
Chloride	35.6ppm	25.5ppm	N/A	N/A
Nitrate	0.15ppm	0.13ppm	N/A	N/A
pH	7.62	7.60	N/A	N/A
Specific Conductivity	246	240	N/A	N/A
Sulfate	5.2ppm	33.6ppm	N/A	N/A
Total Cyanide	N/A	N/A	<10	N/A
Total Phosphorous	0.34ppm	0.23ppm	N/A	N/A
Turbidity	400NTU	315NTU	N/A	N/A

Notes:

**\*(BOLD)** - Indicates constituent concentration detected above site specific cleanup level or not detected at a PQL above the cleanup level.

N/A- Not Applicable.

ppb- Parts per billion.

ppm- Parts per million.

NTU- Nephelometric Turbidity Unit

METHOD 8010 - VOLATILES  
ANALYSIS DATA SHEET

Client No.

D-12-1 WASTEWATER

Lab Name: Regra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: D121

Matrix: (soil/water) WATER Lab Sample ID: A4623902

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Samp/Recv: 11/03/94 11/03/94

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/07/94

GC Column: \_\_\_\_\_ Dia: \_\_\_\_\_ (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/L</u>	Q
79-01-6-----	Trichloroethene		2.6	
156-60-5-----	trans-1,2-Dichloroethene		0.20	U
156-59-2-----	cis-1,2-Dichloroethene		6.9	
75-01-4-----	Vinyl chloride		1.0	U
67-66-3-----	Chloroform		1.4	
75-35-4-----	1,1-Dichloroethene		0.20	U
75-34-3-----	1,1-Dichloroethane		0.20	U
71-55-6-----	1,1,1-Trichloroethane		0.20	U
127-18-4-----	Tetrachloroethene		0.20	U

**PRELIMINARY**

METHOD 8020 - AROMATIC SELECT VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

D-12-1 WASTEWATER

Lab Name: Recra Environmental Contract: \_\_\_\_\_Lab Code: RECNV Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: D121Matrix: (soil/water) WATER Lab Sample ID: A4623902Sample wt/vol: 5.00 (g/mL) ML Lab File ID: \_\_\_\_\_Level: (low/med) Low Date Samp/Recv: 11/03/94 11/03/94% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/07/94GC Column: \_\_\_\_\_ Dia: \_\_\_\_\_ (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
71-43-2-----	Benzene	0.25	
108-88-3-----	Toluene	0.28	
100-41-4-----	Ethyl benzene	0.20	U
108-38-3-----	m-Xylene	0.94	1
95-47-6-----	o-Xylene	0.87	
106-42-3-----	p-Xylene	0.20	1U

total - 2.01**PRELIMINARY**

METHOD 8270 - SELECT SEMIVOLATILES  
ANALYSIS DATA SHEET

Client No.

D-12-1 WASTEWATER

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: D121

Matrix: (soil/water) WATER Lab Sample ID: A4623902

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Samp/Recv: 11/03/94 11/03/94

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 11/07/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

91-20-3	Naphthalene	10	U
87-86-5	Pentachlorophenol	25	U
108-95-2	Phenol	10	U
106-44-5	4-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
84-66-2	Diethyl phthalate	10	U
84-74-2	Di-n-butyl phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
7005-72-3	4-Chlorodiphenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
118-74-1	Hexachlorobenzene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U

PRELIMINARY

METHOD 8270 - SELECT SEMIVOLATILES  
ANALYSIS DATA SHEET

Client No.

D-12-1 WASTEWATER

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECN Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: D121

Matrix: (soil/water) WATER Lab Sample ID: A4623902

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Samp/Recv: 11/03/94 11/03/94

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 11/07/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1, 2, 3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a, h) anthracene	10	U
191-24-2-----	Benzo (ghi) perylene	10	U
100-51-6-----	Benzyl alcohol	10	U
62-75-9-----	N-Nitrosodimethylamine	10	U

**PRELIMINARY**

**PRELIMINARY**

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

D-12-1

Lab Name: RECRA\_ENVIRONMENTAL\_INC. Contract: NY94-603

Lab Code: RECNY Case No.: 5192. SAS No.: SDG No.: D121

Matrix (soil/water): WATER Lab Sample ID: 9767

Level (low/med): LOW Date Received: 11/03/94

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum		-		NR
7440-36-0	Antimony	2.5	U		F
7440-38-2	Arsenic	1.5	U		F
7440-39-3	Barium	212			P
7440-41-7	Beryllium	1.5	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	41.5			P
7440-48-4	Cobalt	10.6	B		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	19600			P
7439-92-1	Lead	70.0			F
7439-95-4	Magnesium	9980			P
7439-96-5	Manganese	333			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	29.8			P
7440-09-7	Potassium				NR
7782-49-2	Selenium	15.0	U		F
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	11900			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium	54.1			P
7440-66-6	Zinc	712			P
	Cyanide				NR

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

LAB SAMPLE ID: A4623902-CG000723

CLIENT SAMPLE ID: D-12-1\_WASTEWATER

**PRELIMINARY**

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

D121

Lab Name: RECRA\_ENVIRONMENTAL\_INC. Contract: NY94-603

Lab Code: RECNY Case No.: 5192. SAS No.: \_\_\_\_\_ SDG No.: D121

Matrix (soil/water): WATER Lab Sample ID: 9773

Level (low/med): LOW Date Received: 11/03/94

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.5	U		F
7440-38-2	Arsenic	1.5	U		F
7440-39-3	Barium	83.2	B		P
7440-41-7	Beryllium	1.5	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	11.4			P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	7.2	B		P
7439-89-6	Iron	5300			P
7439-92-1	Lead	16.0			F
7439-95-4	Magnesium	5940			P
7439-96-5	Manganese	72.0			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	10.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.5	U		F
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	11200			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium	14.4	B		P
7440-66-6	Zinc	215			P
	Cyanide				NR

Color Before: \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: \_\_\_\_\_

Color After: \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

LAB SAMPLE ID: A4623902-CG000724  
 CLIENT SAMPLE ID: D-12-1 WASTEWATER  
 ALL RESULTS ARE SOLUBLE.



SENT BY: I. T. CORPORATION  
RCV BY: I. T. CORPORATION

:11- 8-94 :10:54AM ;  
:11- 8-94 ; 8:42AM ;

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LIBRARY 11/11/94

Wet Chemistry Analysis

Client Sample No.

D-12-1 WASTEWATER

Lab Name: Recre Environmental, Inc. Contract: \_\_\_\_\_

Lab Code: REENVY Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: D121

Matrix (soil/water): WATER Lab Sample ID: 04629902

% Solids: 0.0 Date Samp/Recv: 11/03/94 11/03/94

Parameter Name	Units of Measure	Result	C	O	M	Method Number	Analysed Date
Chloride	MG/L	35.6				9252	11/07/94
Nitrate	MG/L	0.15				353.2	11/07/94
PH	S.U.	7.62				9040	11/04/94
Specific Conductance (25°C)	UMHOS/CM	245				120.1	11/07/94
Sulfate	MG/L	5.2				9038	11/07/94
Total Phosphorous	MG P/L	0.34				365.2	11/07/94
Turbidity	N.T.U.	400				180.1	11/04/94

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

METHOD 8010 - VOLATILES  
ANALYSIS DATA SHEET

Client No.

D-34-1 WASTEWATER

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: D121

Matrix: (soil/water) WATER Lab Sample ID: A4623903

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) Low Date Samp/Recv: 11/03/94 11/03/94

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/07/94

GC Column: \_\_\_\_\_ Dia: \_\_\_\_\_ (mm) Dilution Factor: 1.00

Soil Extract Volume; \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg)	<u>UG/L</u>	<u>Q</u>
79-01-6-----	Trichloroethene		2.7	
156-60-5-----	trans-1,2-Dichloroethene		0.20	U
156-59-2-----	cis-1,2-Dichloroethene		5.7	
75-01-4-----	Vinyl chloride		1.0	U
67-66-3-----	Chloroform		0.20	U
75-35-4-----	1,1-Dichloroethene		0.20	U
75-34-3-----	1,1-Dichloroethane		0.20	U
71-55-6-----	1,1,1-Trichloroethane		0.20	U
127-18-4-----	Tetrachloroethene		0.20	U

PRELIMINARY

METHOD 8020 - AROMATIC SELECT VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

**D-34-1 WASTEWATER**

Lab Name: Recra Environmental      Contract: \_\_\_\_\_

Lab Code: RECNV      Case No.: 51921      SAS No.: \_\_\_\_\_      SDG No.: D121

Matrix: (soil/water) WATER      Lab Sample ID: A4623903

Sample wt/vol: 5.00 (g/mL) ML      Lab File ID: \_\_\_\_\_

Level: (low/med) Low      Date Samp/Recv: 11/03/94 11/03/94

% Moisture: not dec. \_\_\_\_\_      Date Analyzed: 11/07/94

GC Column: \_\_\_\_\_ Dia: \_\_\_\_\_ (mm)      Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)      Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg)      UG/L      Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
71-43-2-----	Benzene		0.20	U
108-88-3-----	Toluene		0.18	J
100-41-4-----	Ethyl benzene		3.9	
108-38-3-----	m-Xylene		19	1
95-47-6-----	o-Xylene		11	
106-42-3-----	p-Xylene		5.20	10

*total* 38.28

**PRELIMINARY**

METHOD 8270 - SELECT SEMIVOLATILES  
ANALYSIS DATA SHEET

Client No.

D-34-1 WASTEWATER

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECN Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: D121

Matrix: (soil/water) WATER Lab Sample ID: A4623903

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Samp/Recv: 11/03/94 11/03/94

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 11/07/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L 0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
91-20-3	Naphthalene		10	U
87-86-5	Pentachlorophenol		25	U
108-95-2	Phenol		10	U
106-44-5	4-Methylphenol		10	U
91-57-6	2-Methylnaphthalene		10	U
84-66-2	Diethyl phthalate		10	U
84-74-2	Di-n-butyl phthalate		0.6	J
606-20-2	2,6-Dinitrotoluene		10	U
99-09-2	3-Nitroaniline		25	U
83-32-9	Acenaphthene		10	U
51-28-5	2,4-Dinitrophenol		25	U
100-02-7	4-Nitrophenol		25	U
132-64-9	Dibenzofuran		10	U
121-14-2	2,4-Dinitrotoluene		10	U
7005-72-3	4-Chlorodiphenylether		10	U
86-73-7	Fluorene		10	U
100-01-6	4-Nitroaniline		25	U
534-52-1	4,6-Dinitro-2-methylphenol		25	U
86-30-6	N-nitrosodiphenylamine		10	U
101-55-3	4-Bromophenyl phenyl ether		10	U
118-74-1	Hexachlorobenzene		10	U
85-01-8	Phenanthrene		10	U
120-12-7	Anthracene		10	U
206-44-0	Fluoranthene		10	U
129-00-0	Pyrene		10	U
85-68-7	Butyl benzyl phthalate		7	J
91-94-1	3,3'-Dichlorobenzidine		20	U
56-55-3	Benzo(a)anthracene		10	U
218-01-9	Chrysene		10	U
117-81-7	Bis(2-ethylhexyl) phthalate		10	U
117-84-0	Di-n-octyl phthalate		10	U
205-99-2	Benzo(b)fluoranthene		10	U

**PRELIMINARY**

METHOD 8270 - SELECT SEMIVOLATILES  
ANALYSIS DATA SHEET

Client No.

D-34-1 WASTEWATER

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: D121

Matrix: (soil/water) WATER Lab Sample ID: A4623903

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Samp/Recv: 11/03/94 11/03/94

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 11/07/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:		
		(ug/L or ug/Kg)	UG/L	
207-08-9-----	Benzo(k) fluoranthene		10	U
50-32-8-----	Benzo(a) pyrene		10	U
193-39-5-----	Indeno(1,2,3-cd) pyrene		10	U
53-70-3-----	Dibenzo(a,h) anthracene		10	U
191-24-2-----	Benzo(ghi) perylene		10	U
100-51-6-----	Benzyl alcohol		10	U
62-75-9-----	N-Nitrosodimethylamine		10	U

**PRELIMINARY**

**PRELIMINARY**

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

D-34-1

Lab Name: RECRA\_ENVIRONMENTAL\_INC. Contract: NY94-603

Lab Code: RECNY Case No.: 5192. SAS No.: SDG No.: D121

Matrix (soil/water): WATER Lab Sample ID: 9768

Level (low/med): LOW Date Received: 11/03/94

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.5	U		F
7440-38-2	Arsenic	1.5	U		F
7440-39-3	Barium	70.3	B		P
7440-41-7	Beryllium	1.5	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	9.3			P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	14.2			P
7439-89-6	Iron	5850			P
7439-92-1	Lead	19.0			F
7439-95-4	Magnesium	5860			P
7439-96-5	Manganese	102			P
7439-97-6	Mercury	0.20			CV
7440-02-0	Nickel	10.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.5	U	W	F
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	9450			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium	10.7	B		P
7440-66-6	Zinc	226			P
	Cyanide				NR

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

LAB SAMPLE ID: A4623903-CG000723  
 CLIENT SAMPLE ID: D-34-1 WASTEWATER

**PRELIMINARY**

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

D341

Lab Name: RECRA\_ENVIRONMENTAL\_INC. Contract: NY94-603

Lab Code: RECNY Case No.: 5192. SAS No.: \_\_\_\_\_ SDG No.: D121

Matrix (soil/water): WATER Lab Sample ID: 9774

Level (low/med): LOW Date Received: 11/03/94

\* Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.5	U		F
7440-38-2	Arsenic	1.5	U		F
7440-39-3	Barium	83.0	B		P
7440-41-7	Beryllium	1.5	U		P
7440-43-9	Cadmium	2.5	U		F
7440-70-2	Calcium				NR
7440-47-3	Chromium	9.9			P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	6.0	B		P
7439-89-6	Iron	5110			P
7439-92-1	Lead	16.0			F
7439-95-4	Magnesium	6600			P
7439-96-5	Manganese	77.0			P
7439-97-6	Mercury	0.22			CV
7440-02-0	Nickel	10.0	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.5	U		F
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	16200			P
7440-28-0	Thallium				NR
7440-62-2	Vanadium	12.8	B		P
7440-66-6	Zinc	244			P
	Cyanide				NR

Color Before: \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: \_\_\_\_\_

Color After: \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

LAB\_SAMPLE\_ID: A4623903-CG000724  
 CLIENT\_SAMPLE\_ID: D-34-1 WASTEWATER  
 ALL\_RESULTS\_ARE\_SOLUBLE.

SENT BY: I. T. CORPORATION  
RCV BY: I. T. CORPORATION

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;11- 8-94 ; 8:42AM ;

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7185880355;# 3  
7182710251;# 8

Wet Chemistry Analysis

Client Sample No.

D-34-1 WASTEWATER

Lab Name: Recre Environmental, Inc. Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: D121

Matrix (soil/water): WATER Lab Sample ID: A4623903

\* Solids: 0.0 Date Samp/Recv: 11/03/94 11/03/94

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analysed Date
Chloride	MG/L	25.5				9352	11/07/94
Nitrate	MG/L	0.13				353.2	11/07/94
pH	S.U.	7.60				9040	11/04/94
Specific Conductance (25°C)	UMHOS/CM*	240				120.1	11/07/94
Sulfate	MG/L	33.6				9038	11/07/94
Total Phosphorous	MG P/L	0.23				365.2	11/07/94
Turbidity	N.T.U.	315				180.1	11/04/94

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



METHOD 8010 - VOLATILES  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: D121

Matrix: (soil/water) WATER Lab Sample ID: A4623901

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) Low Date Samp/Recv: 11/01/94 11/03/94

\* Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/07/94

GC Column: \_\_\_\_\_ Dia: \_\_\_\_\_ (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
79-01-6	Trichloroethene	0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	U
75-01-4	Vinyl chloride	1.0	U
67-66-3	Chloroform	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
75-34-3	1,1-Dichloroethane	0.20	U
71-55-6	1,1,1-Trichloroethane	0.20	U
127-18-4	Tetrachloroethene	0.20	U

PRELIMINARY

METHOD 8010 - VOLATILES  
ANALYSIS DATA SHEET

Client No.

METHOD BLANK (VBLK\_\_)

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: D121

Matrix: (soil/water) WATER Lab Sample ID: A4623909

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Samp/Recv: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/07/94

GC Column: \_\_\_\_\_ Dia: \_\_\_\_\_ (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/L</u>	<u>Q</u>
79-01-6-----	Trichloroethene		0.20	U
156-60-5-----	trans-1,2-Dichloroethene		0.20	U
156-59-2-----	cis-1,2-Dichloroethene		0.20	U
75-01-4-----	Vinyl chloride		1.0	U
67-66-3-----	Chloroform		0.20	U
75-35-4-----	1,1-Dichloroethene		0.20	U
75-34-3-----	1,1-Dichloroethane		0.20	U
71-55-6-----	1,1,1-Trichloroethane		0.20	U
127-18-4-----	Tetrachloroethene		0.20	U

PRELIMINARY

METHOD 8010 - VOLATILES  
ANALYSIS DATA SHEET

Client No.

MATRIX SPIKE BLANK

Lab Name: Recra Environmental      Contract: \_\_\_\_\_

Lab Code: RECNV      Case No.: 51921      SAS No.: \_\_\_\_\_      SDG No.: D121

Matrix: (soil/water) WATER      Lab Sample ID: A4623910

Sample wt/vol:      5.00 (g/mL) ML      Lab File ID: \_\_\_\_\_

Level: (low/med) Low      Date Samp/Recv: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_      Date Analyzed: 11/07/94

GC Column: \_\_\_\_\_      Dia: \_\_\_\_\_ (mm)      Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)      Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg)      UG/L      Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/L</u>	Q
79-01-6-----	Trichloroethene		4.5	
156-60-5-----	trans-1,2-Dichloroethene		4.4	
156-59-2-----	cis-1,2-Dichloroethene		4.5	
75-01-4-----	Vinyl chloride		8.3	
67-66-3-----	Chloroform		4.6	
75-35-4-----	1,1-Dichloroethene		4.3	
75-34-3-----	1,1-Dichloroethane		4.4	
71-55-6-----	1,1,1-Trichloroethane		4.9	
127-18-4-----	Tetrachloroethene		4.1	

**PRELIMINARY**

METHOD 8020 - AROMATIC SELECT VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK
------------

Lab Name: Recre Environmental Contract: \_\_\_\_\_Lab Code: RECNV Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: D121Matrix: (soil/water) WATER Lab Sample ID: A4623901Sample wt/vol: 5.00 (g/mL) ML Lab File ID: \_\_\_\_\_Level: (low/med) LOW Date Samp/Recv: 11/01/94 11/03/94% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/07/94GC Column: \_\_\_\_\_ Dia: \_\_\_\_\_ (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
71-43-2-----	Benzene		0.20	U
106-88-3-----	Toluene		0.20	U
100-41-4-----	Ethyl benzene		0.20	U
106-38-3-----	m-Xylene		0.22	1
95-47-6-----	o-Xylene		0.20	U
106-42-3-----	p-Xylene		0.20	1U

**PRELIMINARY**

METHOD 8020 - AROMATIC SELECT VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

METHOD BLANK (VBLK\_\_)

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: D121

Matrix: (soil/water) WATER Lab Sample ID: A4623907

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) Low Date Samp/Recv: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/07/94

GC Column: \_\_\_\_\_ Dia: \_\_\_\_\_ (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
71-43-2-----	Benzene		0.20	U
108-88-3-----	Toluene		0.20	U
100-41-4-----	Ethyl benzene		0.20	U
108-38-3-----	m-Xylene		0.20	U
95-47-6-----	o-Xylene		0.20	U
106-42-3-----	p-Xylene		0.20	U

**PRELIMINARY**

METHOD 8020 - AROMATIC SELECT VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

MATRIX SPIKE BLANK

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: D121

Matrix: (soil/water) WATER Lab Sample ID: A4623908

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) Low Date Samp/Recv: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/07/94

GC Column: \_\_\_\_\_ Dia: \_\_\_\_\_ (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
71-43-2	Benzene		4.6	
108-88-3	Toluene		3.5	
100-41-4	Ethyl benzene		3.7	
108-38-3	m-Xylene		6.8	1
95-47-6	o-Xylene		3.8	
106-42-3	p-Xylene		0.20	1U

**PRELIMINARY**

METHOD 601 - SELECT PURGEABLE HALOCARBONS  
ANALYSIS DATA SHEET

Client No.

C-12-1 (TREATED H2O)

Lab Name: Recra Environmental Contract: \_\_\_\_\_Lab Code: RECNY Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: C121Matrix: (soil/water) WATER Lab Sample ID: A4643602Sample wt/vol: 5.00 (g/mL) ML Lab File ID: \_\_\_\_\_Level: (low/med) Low Date Samp/Recv: 11/11/94 11/11/94% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/12/94GC Column: \_\_\_\_\_ Dia: \_\_\_\_\_ (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
79-01-6	Trichloroethene		0.20	U
156-60-5	trans-1,2-Dichloroethene		0.20	U
156-59-2	cis-1,2-Dichloroethene		0.20	U
75-01-4	Vinyl chloride		1.0	U
67-66-3	Chloroform		0.20	U
75-35-4	1,1-Dichloroethene		0.20	U
75-34-3	1,1-Dichloroethane		0.20	U
71-55-6	1,1,1-Trichloroethane		0.20	U
127-18-4	Tetrachloroethene		0.20	U

**PRELIMINARY**

METHOD 602 - SELECT AROMATICS  
ANALYSIS DATA SHEET

Client No.

C-12-1 (TREATED H2O)

Lab Name: Recre Environmental Contract: \_\_\_\_\_

Lab Code: RECN Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: C121

Matrix: (soil/water) WATER Lab Sample ID: A4643602

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) Low Date Samp/Recv: 11/11/94 11/11/94

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/12/94

GC Column: \_\_\_\_\_ Dia: \_\_\_\_\_ (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
71-43-2	Benzene	0.20	U
108-88-3	Toluene	0.20	U
100-41-4	Ethyl benzene	0.20	U
108-38-3	m-Xylene	0.20	U
95-47-6	o-Xylene	0.20	U
106-42-3	p-Xylene	0.20	U

**PRELIMINARY**



METHOD 601 - SELECT PURGEABLE HALOCARBONS  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Recre Environmental Contract: \_\_\_\_\_

Lab Code: RECN Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: C121

Matrix: (soil/water) WATER Lab Sample ID: A4643601

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) Low Date Samp/Recv: 11/11/94 11/11/94

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/12/94

GC Column: \_\_\_\_\_ Dia: \_\_\_\_\_ (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
79-01-6	Trichloroethene		0.20	U
156-60-5	trans-1,2-Dichloroethene		0.20	U
156-59-2	cis-1,2-Dichloroethene		0.20	U
75-01-4	Vinyl chloride		1.0	U
67-66-3	Chloroform		0.20	U
75-35-4	1,1-Dichloroethene		0.20	U
75-34-3	1,1-Dichloroethane		0.20	U
71-55-6	1,1,1-Trichloroethane		0.20	U
127-18-4	Tetrachloroethene		0.20	U

PRELIMINARY

METHOD 602 - SELECT AROMATICS  
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: C121

Matrix: (soil/water) WATER Lab Sample ID: A4643601

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) Low Date Samp/Recv: 11/11/94 11/11/94

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/12/94

GC Column: \_\_\_\_\_ Dia: \_\_\_\_\_ (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
71-43-2-----	Benzene	0.20	U
108-88-3-----	Toluene	0.20	U
100-41-4-----	Ethyl benzene	0.20	U
108-38-3-----	m-Xylene	0.20	U
95-47-6-----	o-Xylene	0.20	U
106-42-3-----	p-Xylene	0.20	U

PRELIMINARY

METHOD 625 - SELECT SEMIVOLATILES  
ANALYSIS DATA SHEET

Client No.

C-12-1 (TREATED H2O)

Lab Name: Recra Environmental Contract: \_\_\_\_\_

Lab Code: RECNV Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: C121

Matrix: (soil/water) WATER Lab Sample ID: A4643602

Sample wt/vol: 980.00 (g/mL) ML Lab File ID: 21579Z.RR

Level: (low/med) LOW Date Samp/Recv: 11/11/94 11/11/94

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/15/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.0

CONCENTRATION UNITS:

(ug/L or ug/kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
91-20-3-----	Naphthalene	10	U
87-86-5-----	Pentachlorophenol	51	U
108-95-2-----	Phenol	10	U
106-44-5-----	4-Methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
84-66-2-----	Diethyl phthalate	10	U
84-74-2-----	Di-n-butyl phthalate	10	U

PRELIMINARY

Total Metals Analysis

Company: Recra Environmental, Inc. - RECNY  
 Sample No: A94-6436  
 Sample ID: A4643602  
 Sample ID: C-12-1 (TREATED H2O)  
 C121

Matrix: Ag  
 Sample Date: 11  
 Dilution Factor: 1

Parameter	Units	Method	Digestion Date	Analysis Date	Result
any - Total	UG/L	CLP-M	11/15/94	11/16/94	2.5
ic - Total	UG/L	CLP-M	11/15/94	11/16/94	4.5
- Total	UG/L	CLP-M	11/15/94	11/17/94	94.0
ium - Total	UG/L	CLP-M	11/15/94	11/16/94	0.0015
n - Total	UG/L	CLP-M	11/15/94	11/16/94	0.0050
um - Total	UG/L	CLP-M	11/15/94	11/16/94	13.0
- Total	UG/L	CLP-M	11/15/94	11/16/94	2.0
- Total	UG/L	CLP-M	11/15/94	11/18/94	42.0
alent Chromium - Total	UG/L	CLP-M	11/12/94	11/12/94	5.5
Total	UG/L	CLP-M	11/15/94	11/16/94	9100
Total	UG/L	CLP-M	11/15/94	11/19/94	20.0
ium - Total	UG/L	CLP-M	11/15/94	11/16/94	6500
ese - Total	UG/L	CLP-M	11/15/94	11/16/94	170
Y - Total	UG/L	CLP-M	11/15/94	11/15/94	(0.02) 20.0
- Total	UG/L	CLP-M	11/15/94	11/16/94	14.0
um - Total	UG/L	CLP-M	11/15/94	11/18/94	0.030
- Total	UG/L	CLP-M	11/15/94	11/17/94	0.0050
um - Total	UG/L	CLP-M	11/15/94	11/17/94	20500
Total	UG/L	CLP-M	11/15/94	11/16/94	14.0
Total	UG/L	CLP-M	11/15/94	11/17/94	360

PRELIMINARY

Wet Chemistry Analysis

Client Sample No.

C-12-1 (TREATED H2O)

Lab Name: Recra Environmental, Inc. Contract: \_\_\_\_\_

Lab Code: RECN Case No.: 51921 SAS No.: \_\_\_\_\_ SDG No.: C121

Matrix (soil/water): WATER Lab Sample ID: A4643602

% Solids: 0.0 Date Samp/Recv: 11/11/94 11/11/94

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total _____	MG/L	0.010	U			9010	11/14/94

Comments:

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**PRELIMINARY**

February 2, 1995

Seneca Army Depot  
Ash landfill, Phase II

Treated Wastewater Analytical Results

The following analytical data represents one treated water sample taken on 12-06-94 and analyzed for Iron only. The sample is representative of 40,000 gallons of treated water to be discharged.

Sample ID	Analytical Constituents	Constituent Concentration (ppm)	Permit level (ppm)	Above Permit Level?
C-12-2	Iron	0.80	0.80	no

Notes:  
ppm - Parts per million

Environmental Analytical Services  
Metals Work Center  
Report

Title: Determination of Fe in SEDA Ash landfill

Customer: Seneca Army Depot Job F: 01568

Date received: 12/06/94 Analyte(s): Fe

Sample ID: 0193362 Method Used: EPA 3010

Technique: Inductively Coupled Plasma-Atomic Emission Spectroscopy.

Results: The results are expressed in mg/L. The detection limit for Fe is 0.005. "<" indicates less than detection limit.

Element-	Concentration (mg/L)-
Fe	0.8

This report will be kept on file in the MWC, B-34 for two years.

Sample Preparer: *Ina Raychandi* Date: *12/8/94*

Analyst: *Karen Roser* Date: *12/8/94*

S94-025 *max*  
**CHAIN OF CUSTODY RECORD**

LEVEL 4 ID NUMBER: TBD  
 SITE NAME: WEDA Ashlandfill  
 PHASE: III  
 ANALYTES: TEO  
 METHODS: WLD hood  
 RECORDING: TOP & RITE SPECIFIC  
 CONTAINER NO. 100  
 THE CONTAINER NO. 100  
 BUSINESS TIME: 3:30  
 ACMS # 019336  
 DATE: 12/1/94

DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	FIELD REMARKS
12/1/94	4:00	✓	✓	B-12-a	2	
				T-A1-S	1	

CHECK ONE OF THE FOLLOWING:  1. FOLLOW PROJECT IISX ANALYTICAL REQUIREMENTS  1. FOLLOW ANALYTICAL REQUIREMENTS ON THIS CDR.

IF (SIGNATURE) S. Rastke DATE 12/06/94 TIME 1733  
 RECEIVED BY (SIGNATURE) Shari Rastke  
 LABORATORY (SIGNATURE) S. Rastke DATE 12-6-94 TIME 1925  
 RECEIVED BY (SIGNATURE) \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 EASTMAN KODAK COMPANY  
 Rochester, New York 14651  
 716 722-9067  
 RECEIVED BY (SIGNATURE) AI

NOTE: ORIGINAL ACCOMPANIES SHIPMENT, YELLOW COPY TO COORDINATOR FIELD FILES, PINK COPY TO SAMPLER



*Appendix C*

*Air Analytical Data/Certificates of Analysis  
&  
On-Site Meteorological Data*

**Appendix C**  
**Table 1**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Summary of PM-10 Results**

<b>Date Collected</b>	<b>Sample ID #</b>	<b>Results (ug/m3)</b>
10/18/94	AC8345	27.65
10/18/94	AC8346	24.67
10/18/94	AC8347	23.28
10/19/94	AC8342	20.51
10/19/94	AC8344	24.57
10/19/94	AC8343	23.38
10/20/94	AC8340	6.13
10/20/94	AC8339	13.63
10/20/94	AC8341	14.22
10/28/94	AC8310	18.12
10/28/94	AC8309	16.10
10/28/94	AC8311	17.01
10/31/94	AC8314	17.31
10/31/94	AC8313	19.62
10/31/94	AC8312	17.16
11/1/94	AC8317	5.85
11/1/94	AC8316	6.64
11/1/94	AC8315	5.54
11/2/94	AC8350	14.98
11/2/94	AC8349	16.88
11/2/94	AC8348	10.66
11/3/94	AC8351	19.88
11/3/94	AC8352	19.40
11/3/94	AC8353	19.19
11/16/94	AD0706	25.10
11/16/94	AD0705	12.07
11/17/94	AD0709	<0.11
11/17/94	AD0708	11.11
11/17/94	AD0707	95.33
11/18/94	AD0952	29.01
11/18/94	AD0954	17.55
11/18/94	AD0949	16.18
11/19/94	AD0962	35.84
11/19/94	AD0961	50.29
11/19/94	AD0960	12.45
11/20/94	AC0748	<200ug
11/20/94	AD0968	8.37
11/20/94	AD0966	147.28
11/20/94	AD0967	9.63
11/21/94	AD0974	56.76
11/21/94	AD0975	14.32
11/21/94	AD0976	18.22
11/22/94	AD3609	28.97

**Appendix C**  
**Table 1**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Summary of PM-10 Results**

<b>Date Collected</b>	<b>Sample ID #</b>	<b>Results (ug/m3)</b>
11/22/94	AD3610	55.54
11/22/94	AD3608	3.22
11/23/94	AD3611	<0.14
11/23/94	AD3612	299.50
11/23/94	AD-3613	11.01
11/24/94	AD3616	38.69
11/24/94	AD3614	4.30
11/24/94	AD3615	16.50
11/25/94	AD3617	2.43
11/25/94	AD3619	78.33
11/26/94	AD3622	<0.12
11/26/94	AD3621	8.81
11/26/94	AD3620	6.83
11/27/94	AD7088	0.042
11/27/94	AD3626	1.92
11/27/94	AD3623	5.96
11/28/94	AD3630	4.54
11/28/94	AD3635	4.80
11/28/94	AD3639	15.87
11/29/94	AD6393	6.10
11/29/94	AD6394	9.68
11/29/94	AD6395	7.05
11/30/94	AD6397	22.20
11/30/94	AD6398	6.86
11/30/94	AD6396	39.77
12/1/94	AD6401	17.58
12/1/94	AD6399	12.19
12/1/94	AD6400	13.10
12/2/94	AD6404	18.66
12/2/94	AD6402	12.15
12/2/94	AD6403	15.19
12/3/94	AD6405	17.02
12/3/94	AD6406	<0.114
12/3/94	AD6407	19.32
12/4/94	AD6409	21.26
12/4/94	AD6408	20.10
12/4/94	AD6410	22.97
12/5/94	AD6413	13.51
12/5/94	AD6412	52.02
12/5/94	AD6411	11.66
12/6/94	AD6416	6.46
12/6/94	AD6415	4.67
12/6/94	AD6414	8.34

**Appendix C**  
**Table 1**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Summary of PM-10 Results**

<b>Date Collected</b>	<b>Sample ID #</b>	<b>Results (ug/m3)</b>
12/7/94	AD6419	<0.120
12/7/94	AD6417	<0.124
12/7/94	AD6418	9.07
12/8/94	AD6422	<0.106
12/8/94	AD6425	9.73
12/8/94	AD6428	<0.139
12/9/94	AD6446	9.90
12/9/94	AD6447	<0.188
12/9/94	AD6448	6.19
12/10/94	AD6453	3.49
12/10/94	AD6451	<0.126
12/10/94	AD6452	8.57
12/11/94	AD6456	3.03
12/11/94	AD6454	4.42
12/11/94	AD6455	8.01
12/12/94	AD6457	9.09
12/12/94	AD6458	10.58
12/12/94	AD6459	<0.104
12/13/94	AD7090	25.52
12/13/94	AD7096	23.70
12/13/94	AD7098	14.50
12/14/94	AD7102	20.77
12/14/94	AD7103	20.90
12/14/94	AD104	14.77
12/15/94	AD7108	16.75
12/15/94	AD7109	26.61
12/15/94	AD7110	9.11
12/16/94	AD7114	9.39
12/16/94	AD7115	11.23
12/16/94	AD7116	6.61
1/4/95	AD7845	11.22
1/4/95	AD7851	28.16
1/4/95	AD7857	63.94
1/5/95	AD7869	14.35
1/5/95	AD7863	30.27
1/5/95	AD7875	23.18
1/6/95	AD7887	30.82
1/6/95	AD7889	17.05
1/6/95	AD7885	46.67
1/7/95	AD7891	10.58
1/7/95	AD7893	28.75
1/7/95	AD7895	10.95
1/8/95	AD7901	24.55

**Appendix C**  
**Table 1**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Summary of PM-10 Results**

<b>Date Collected</b>	<b>Sample ID #</b>	<b>Results (ug/m3)</b>
1/8/95	AD7897	13.37
1/8/95	AD7899	17.42
1/9/95	AD7906	28.31
1/9/95	AD7903	9.60
1/9/95	AD7904	10.26
1/10/95	AD7908	29.23
1/10/95	AD7910	12.00
1/10/95	AD7912	12.28
1/11/95	AD7914	27.28
1/11/95	AD7916	12.50
1/11/95	AD7918	13.64
1/12/95	AD7920	15.00
1/12/95	AD7922	13.44
1/12/95	AD7924	15.24
1/13/95	AD7926	36.03
1/13/95	AD7928	18.57
1/13/95	AD7930	22.16
1/14/95	AD7932	10.32
1/14/95	AD7934	8.12
1/14/95	AD7936	8.70
1/15/95	AD7938	6.31
1/15/95	AD7939	2.94
1/15/95	AD7940	2.83

**Appendix C**  
**Table 2**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Summary of CFR43-46258/61A (Lead) Results**

<b>Date Collected</b>	<b>Sample ID #</b>	<b>Results (ug/m3)</b>	<b>Detection Limit</b>
10/18/94	AC8676	0.0240	0.0119
10/18/94	AC8677	ND	0.0127
10/19/94	AC8672	0.0182	0.0115
10/19/94	AC8675	0.0148	0.0127
10/20/94	AC8671	ND	0.0165
10/20/94	AC8670	ND	0.0104
10/20/94	AC8669	ND	0.0158
10/21/94	AC8668	ND	0.0155
10/21/94	AC8665	ND	0.0148
10/22/94	AC8656	ND	0.0240
10/22/94	AC8663	ND	0.0110
10/22/94	AC8659	ND	0.0172
10/24/94	AC8634	ND	0.0162
10/24/94	AC8413	ND	0.0116
10/24/94	AC8678	ND	0.0230
10/28/94	AC8635	0.0191	0.0163
10/28/94	AC8637	ND	0.0118
10/28/94	AC8636	0.0138	0.0118
10/31/94	AC8639	ND	0.0116
10/31/94	AC8640	ND	0.0177
10/31/94	AC8638	ND	0.0163
11/1/94	AC8644	ND	0.0152
11/1/94	AC8648	ND	0.0123
11/1/94	AC8650	ND	0.0178
11/2/94	AC8680	ND	0.0142
11/2/94	AC8689	ND	0.0176
11/2/94	AC8685	ND	0.0113
11/3/94	AC8691	ND	0.0161
11/3/94	AC8698	ND	0.0113
11/3/94	AC8699	ND	0.0147
11/4/94	AC8701	ND	0.0121
11/4/94	AC8700	ND	0.0160
11/4/94	AC8702	ND	0.0152
11/5/94	AC8705	ND	0.0140
11/5/94	AC8704	ND	0.0113
11/5/94	AC8703	ND	0.0152
11/6/94	AC8868	ND	0.0147
11/6/94	AC8870	ND	0.0126

Samples AD3587, AD3590, AD3593, AD3596, AD3599, AD3602, AD3605, AD3618, and AD7088 await amended certificates of analysis.

**Appendix C**  
**Table 2**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Summary of CFR43-46258/61A (Lead) Results**

<b>Date Collected</b>	<b>Sample ID #</b>	<b>Results (ug/m3)</b>	<b>Detection Limit</b>
11/6/94	AC8869	ND	0.0109
11/7/94	AC8871	ND	0.0157
11/7/94	AC8872	ND	0.0115
11/7/94	AC8873	ND	0.0145
11/8/94	AC8877	ND	0.0115
11/8/94	AC8876	ND	0.0153
11/9/94	AC8875	ND	0.0111
11/9/94	AC8874	ND	0.0176
11/10/94	AD0723	ND	0.016
11/10/94	AD0728	ND	0.011
11/11/94	AD0731	ND	0.012
11/11/94	AD0736	ND	0.016
11/12/94	AD0738	ND	0.012
11/12/94	AD0737	ND	0.016
11/13/94	AD0739	ND	0.034
11/13/94	AD0740	ND	0.049
11/16/94	AD0742	ND	0.039
11/16/94	AD0743	ND	0.012
11/16/94	AD0744	ND	0.016
11/17/94	AD0748	ND	0.016
11/17/94	AD0750	ND	0.012
11/18/94	AD0948	ND	0.019
11/18/94	AD0947	ND	0.012
11/18/94	AD0946	ND	0.017
11/19/94	AD0955	ND	0.016
11/19/94	AD0956	ND	0.012
11/19/94	AD0958	ND	0.020
11/20/94	AD0963	ND	0.016
11/20/94	AD0964	ND	0.012
11/20/94	AD0745	ND	72.00 ug
11/20/94	AD0965	ND	0.017
11/21/94	AD0971	ND	0.016
11/21/94	AD0972	ND	0.012
11/21/94	AD0973	ND	0.19
11/22/94	AD3587	ND	0.016
11/22/94	AD3589	ND	0.018
11/22/94	AD3588	ND	0.011
11/23/94	AD3592	ND	0.016

Samples AD3587, AD3590, AD3593, AD3596, AD3599, AD3602, AD3605, AD3618, and AD7088 await amended certificates of analysis.

**Appendix C**  
**Table 2**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Summary of CFR43-46258/61A (Lead) Results**

<b>Date Collected</b>	<b>Sample ID #</b>	<b>Results (ug/m3)</b>	<b>Detection Limit</b>
11/23/94	AD3590	ND	0.037
11/23/94	AD3591	0.027	0.013
11/24/94	AD3594	ND	0.012
11/24/94	AD3593	ND	0.017
11/24/94	AD3595	ND	0.015
11/25/94	AD3598	ND	0.013
11/25/94	AD3597	ND	0.011
11/25/94	AD3596	ND	0.015
11/25/94	AD3618	ND	0.038
11/26/94	AD3601	ND	0.015
11/26/94	AD3600	ND	0.012
11/26/94	AD3599	ND	0.018
11/27/94	AD3603	ND	0.012
11/27/94	AD3604	ND	0.014
11/27/94	AD3602	ND	0.015
11/28/94	AD3605	ND	0.016
11/28/94	AD3607	ND	0.014
11/28/94	AD3606	ND	0.012
11/29/94	AD6334	ND	0.012
11/29/94	AD6337	ND	0.014
11/29/94	AD7069	ND	0.016
11/30/94	AD7070	ND	0.015
11/30/94	AD6341	ND	0.014
11/30/94	AD6347	ND	0.012
12/1/94	AD7071	ND	0.015
12/1/94	AD6351	ND	0.013
12/1/94	AD6354	ND	0.012
12/2/94	AD7072	ND	0.017
12/2/94	AD6358	ND	0.013
12/2/94	AD6366	ND	0.012
12/3/94	AD6368	ND	0.012
12/3/94	AD7074	ND	0.017
12/3/94	AD6367	ND	0.013
12/4/94	AD6374	ND	0.014
12/4/94	AD6375	ND	0.012
12/4/94	AD7075	ND	0.018
12/5/94	AD7076	ND	0.017
12/5/94	AD6379	0.024	0.012

Samples AD3587, AD3590, AD3593, AD3596, AD3599, AD3602, AD3605, AD3618, and AD7088 await amended certificates of analysis.

ND - Not Detected



**Appendix C**  
**Table 2**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Summary of CFR43-46258/61A (Lead) Results**

<b>Date Collected</b>	<b>Sample ID #</b>	<b>Results (ug/m3)</b>	<b>Detection Limit</b>
12/5/94	AD6376	ND	0.013
12/6/94	AD7077	ND	0.017
12/6/94	AD6381	ND	0.013
12/6/94	AD6385	ND	0.012
12/7/94	AD7078	ND	0.017
12/7/94	AD6386	ND	0.012
12/7/94	AD6387	ND	0.013
12/8/94	AD7080	ND	0.017
12/8/94	AD6388	ND	0.013
12/9/94	AD6389	ND	0.013
12/9/94	AD7082	ND	0.016
12/10/94	AD6390	ND	0.018
12/10/94	AD7084	ND	0.016
12/11/94	AD7085	ND	0.016
12/11/94	AD6391	ND	0.013
12/12/94	AD7086	ND	0.016
12/12/94	AD6392	ND	0.014
12/13/94	AD7097	ND	0.018
12/13/94	AD7094	ND	0.020
12/13/94	AD7095	ND	0.014
12/14/94	AD7099	ND	0.019
12/14/94	AD7100	ND	0.012
12/14/94	AD7101	ND	0.020
12/15/94	AD7105	ND	0.020
12/15/94	AD7106	ND	0.012
12/15/94	AD7107	ND	0.020
12/16/94	AD7111	ND	0.020
12/16/94	AD7112	ND	0.012
12/16/94	AD7113	ND	0.019

Samples AD3587, AD3590, AD3593, AD3596, AD3599, AD3602, AD3605, AD3618, and AD7088 await amended certificates of analysis.

ND - Not Detected

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
10/13/94	17:20	2	0.00006
10/13/94	17:20	3	0.00001
10/13/94	17:20	1	0.00003
10/14/94	17:20	1	0.00001
10/14/94	17:20	2	0
10/14/94	17:20	3	0
10/17/94	17:45	3	0
10/17/94	12:45	1	0
10/17/94	13:00	2	0.00035
10/17/94	13:00	3	0
10/17/94	17:45	1	0
10/17/94	17:45	2	0.00036
10/18/94	17:00	3	0
10/18/94	17:00	1	0.00059
10/18/94	17:00	2	0
10/20/94	17:00	2	0
10/20/94	17:00	3	0.00001
10/28/94	15:00	1	0
10/28/94	15:00	3	0
10/31/94	22:30	1	0
10/31/94	22:30	2	0.00036
10/31/94	22:30	3	0
10/31/94	17:00	1	0.00001
10/31/94	17:00	2	0.00024
10/31/94	17:00	3	0
11/1/94	12:00	2	0
11/1/94	12:00	3	0
11/1/94	12:00	1	0
11/2/94	22:30	1	0
11/2/94	22:30	2	0
11/2/94	22:30	3	0.00008
11/3/94	15:00	1	0
11/3/94	21:00	2	0
11/3/94	21:00	3	0.00012
11/3/94	17:00	3	0
11/3/94	17:00	1	0
11/3/94	15:00	1	0
11/3/94	15:00	2	0
11/3/94	06:30	3	0.00014
11/3/94	06:00	2	0
11/3/94	05:30	1	0
11/3/94	15:00	3	0.001
11/5/94	11:00	1	0
11/5/94	11:00	2	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

<b>Date Sampled</b>	<b>Time</b>	<b>Station #</b>	<b>Results ug/m3</b>
11/5/94	15:00	3	0
11/5/94	15:00	2	0
11/5/94	11:00	3	0
11/5/94	06:30	2	0
11/5/94	04:30	1	0.00005
11/5/94	06:30	1	0
11/5/94	06:30	3	0
11/5/94	04:30	3	0.00002
11/5/94	04:30	2	0
11/5/94	15:00	1	0
11/6/94	17:00	1	0
11/6/94	17:00	2	0
11/6/94	17:00	3	0
11/7/94	17:45	1	0
11/7/94	17:45	2	0
11/7/94	17:45	3	0
11/8/94	17:00	2	0
11/8/94	17:00	3	0
11/8/94	17:00	1	0.023
11/9/94	14:00	1	0.00007
11/9/94	14:00	2	0
11/9/94	14:00	3	0.00002
11/9/94	09:30	1	0.00016
11/10/94	14:00	1	0.0002
11/10/94	14:00	2	0
11/10/94	14:00	3	0.00046
11/13/94	18:30	2	0
11/13/94	23:55	2	0
11/13/94	23:34	1	0.00004
11/13/94	23:50	3	0.00005
11/13/94	21:15	3	0.00005
11/13/94	18:45	3	0.00009
11/13/94	18:00	1	0.00011
11/13/94	14:00	1	0
11/13/94	21:20	2	0
11/13/94	21:00	1	0.00004
11/14/94	20:45	1	0.00001
11/14/94	13:00	3	0.0001
11/14/94	15:00	1	0.00001
11/14/94	15:00	2	0.00009
11/14/94	15:00	3	0.00001
11/14/94	16:45	1	0.00001
11/14/94	16:45	2	0.00009
11/14/94	16:45	3	0.00009

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
11/14/94	18:45	1	0.00001
11/14/94	18:45	3	0.00017
11/14/94	20:45	2	0.00003
11/14/94	20:45	3	0.00004
11/14/94	22:45	1	0.00002
11/14/94	22:45	2	0.00004
11/14/94	22:45	3	0.00003
11/14/94	01:50	3	0.00006
11/14/94	13:00	2	0.00001
11/14/94	18:45	2	0.00003
11/14/94	06:24	1	0.00003
11/14/94	13:00	1	0.00001
11/14/94	04:20	2	0.00001
11/14/94	04:05	1	0.00002
11/14/94	04:15	3	0.00006
11/14/94	01:50	2	0.00001
11/14/94	06:42	2	0.00001
11/14/94	06:37	3	0.00006
11/14/94	08:00	1	0.00003
11/14/94	08:00	2	0.00002
11/14/94	08:00	3	0.00006
11/14/94	09:30	1	0.00002
11/14/94	09:30	2	0.00002
11/14/94	09:30	3	0.00007
11/14/94	11:00	1	0.00001
11/14/94	11:00	2	0.00002
11/14/94	11:00	3	0.00017
11/14/94	01:50	1	0.00002
11/15/94	17:15	1	0
11/15/94	10:30	2	0
11/15/94	12:30	1	0
11/15/94	12:30	2	0
11/15/94	12:30	3	0
11/15/94	14:00	1	0
11/15/94	17:15	2	0
11/15/94	17:15	3	0
11/15/94	18:30	1	0
11/15/94	18:30	2	0
11/15/94	18:30	3	0
11/15/94	22:30	1	0
11/15/94	22:30	3	0
11/15/94	10:30	1	0
11/15/94	22:30	2	0
11/15/94	00:45	3	0.00003

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
11/15/94	10:30	3	0
11/15/94	08:30	3	0
11/15/94	00:45	2	0.00004
11/15/94	02:45	1	0.00002
11/15/94	02:45	2	0.00004
11/15/94	02:45	3	0.00003
11/15/94	04:45	1	0.00003
11/15/94	08:30	1	0
11/15/94	04:45	3	0.00003
11/15/94	06:30	1	0
11/15/94	06:30	2	0
11/15/94	06:30	3	0
11/15/94	04:45	2	0.00004
11/15/94	00:45	1	0.00004
11/15/94	08:30	2	0
11/16/94	16:30	3	0
11/16/94	16:30	2	0
11/16/94	16:30	1	0.0003
11/16/94	14:30	3	0
11/16/94	14:30	1	0.0002
11/16/94	12:30	3	0
11/16/94	18:30	1	0.00003
11/16/94	22:30	3	0
11/16/94	14:30	2	0
11/16/94	18:30	2	0
11/16/94	18:30	3	0
11/16/94	20:30	1	0.00005
11/16/94	20:30	2	0
11/16/94	20:30	3	0
11/16/94	22:30	2	0
11/16/94	12:30	2	0
11/16/94	06:30	1	0.00003
11/16/94	22:30	1	0.00005
11/16/94	02:30	3	0
11/16/94	00:30	2	0
11/16/94	00:30	3	0
11/16/94	02:30	2	0
11/16/94	06:30	3	0
11/16/94	04:30	1	0.00003
11/16/94	04:30	2	0.00001
11/16/94	04:30	3	0
11/16/94	12:30	1	0.00004
11/16/94	10:30	3	0.00001
11/16/94	00:30	1	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
11/16/94	09:20	1	0.00003
11/16/94	09:20	2	0
11/16/94	09:20	3	0
11/16/94	10:30	1	0.00004
11/16/94	10:30	2	0
11/16/94	06:30	2	0
11/16/94	02:30	1	0
11/17/94	16:30	3	0
11/17/94	16:30	2	0
11/17/94	16:30	1	0.00014
11/17/94	14:30	3	0
11/17/94	14:30	2	0
11/17/94	12:30	3	0
11/17/94	18:30	1	0.00014
11/17/94	14:30	1	0.0007
11/17/94	18:30	2	0
11/17/94	18:30	3	0
11/17/94	20:00	1	0.00012
11/17/94	20:00	2	0
11/17/94	20:00	3	0
11/17/94	22:00	1	0.00009
11/17/94	12:30	1	0.00008
11/17/94	22:00	3	0.00001
11/17/94	10:30	3	0
11/17/94	22:00	2	0
11/17/94	04:30	1	0.0001
11/17/94	12:30	2	0
11/17/94	00:30	1	0.00005
11/17/94	00:30	3	0
11/17/94	02:30	1	0.00007
11/17/94	02:30	3	0.00001
11/17/94	00:30	2	0
11/17/94	04:30	2	0
11/17/94	04:30	3	0.00005
11/17/94	10:30	2	0
11/17/94	06:30	2	0
11/17/94	06:30	3	0.00002
11/17/94	08:30	1	0.00008
11/17/94	09:55	2	0
11/17/94	09:25	3	0
11/17/94	10:30	1	0.00008
11/17/94	06:30	1	0.00007
11/17/94	02:30	2	0
11/18/94	16:30	2	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
11/18/94	16:30	1	0.00003
11/18/94	14:30	3	0.00002
11/18/94	14:30	2	0
11/18/94	12:30	3	0
11/18/94	16:30	3	0
11/18/94	22:30	3	0.00007
11/18/94	18:30	1	0.00004
11/18/94	18:30	2	0
11/18/94	18:30	3	0.00008
11/18/94	20:30	1	0.00004
11/18/94	20:30	2	0
11/18/94	20:30	3	0.00006
11/18/94	22:30	2	0
11/18/94	12:30	2	0
11/18/94	12:30	1	0.00011
11/18/94	22:30	1	0.00005
11/18/94	02:00	1	0.0001
11/18/94	10:30	3	0
11/18/94	14:30	1	0.00002
11/18/94	24:00	1	0.0001
11/18/94	24:00	3	0.00001
11/18/94	02:00	2	0
11/18/94	02:00	3	0
11/18/94	04:00	1	0.00009
11/18/94	04:00	2	0
11/18/94	10:30	1	0.0001
11/18/94	06:00	1	0.00008
11/18/94	06:00	2	0
11/18/94	06:00	3	0
11/18/94	08:30	1	0.0001
11/18/94	08:30	2	0
11/18/94	08:30	3	0
11/18/94	04:00	3	0
11/18/94	24:00	2	0
11/18/94	10:30	2	0
11/19/94	16:30	1	0.00007
11/19/94	14:30	3	0.00007
11/19/94	14:30	2	0.00003
11/19/94	14:30	1	0.0001
11/19/94	12:30	3	0.00007
11/19/94	10:30	3	0.00007
11/19/94	16:30	2	0.00004
11/19/94	22:30	2	0.00003
11/19/94	12:30	2	0.00003

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

<b>Date Sampled</b>	<b>Time</b>	<b>Station #</b>	<b>Results ug/m3</b>
11/19/94	16:30	3	0.00007
11/19/94	18:30	1	0.00006
11/19/94	18:30	2	0.00001
11/19/94	18:30	3	0.00008
11/19/94	20:30	1	0.00006
11/19/94	20:30	2	0.00003
11/19/94	22:30	1	0.00005
11/19/94	10:30	2	0.00002
11/19/94	22:30	3	0.00012
11/19/94	20:30	3	0.00013
11/19/94	01:30	2	0
11/19/94	12:30	1	0.00009
11/19/94	10:30	1	0
11/19/94	00:30	1	0.00004
11/19/94	00:30	2	0
11/19/94	01:30	1	0.00014
11/19/94	01:30	3	0.00012
11/19/94	02:30	1	0.00014
11/19/94	02:30	2	0
11/19/94	02:30	3	0.00008
11/19/94	08:30	2	0
11/19/94	00:30	3	0.00006
11/19/94	08:30	3	0.00007
11/19/94	04:30	1	0.00014
11/19/94	08:30	1	0.00014
11/19/94	06:30	3	0.00006
11/19/94	06:30	2	0
11/19/94	06:30	1	0.00014
11/19/94	04:30	3	0.00006
11/19/94	04:30	2	0
11/20/94	18:30	1	0.00005
11/20/94	00:30	1	0.00004
11/20/94	14:30	1	0
11/20/94	14:30	2	0.00002
11/20/94	14:30	3	0.00008
11/20/94	16:30	1	0.00006
11/20/94	16:30	2	0.00002
11/20/94	16:30	3	0.00008
11/20/94	12:30	3	0.00008
11/20/94	18:30	2	0.00002
11/20/94	18:30	3	0.00008
11/20/94	20:30	1	0.0001
11/20/94	20:30	2	0.00001
11/20/94	20:30	3	0.00008



**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
11/20/94	22:25	1	0.0001
11/20/94	22:25	2	0.00002
11/20/94	12:30	2	0.00002
11/20/94	22:25	3	0.00008
11/20/94	12:30	1	0.00004
11/20/94	00:30	2	0.00008
11/20/94	02:30	1	0.00003
11/20/94	02:30	2	0.00007
11/20/94	02:30	3	0.0001
11/20/94	04:30	1	0.00003
11/20/94	04:30	2	0.00006
11/20/94	04:30	3	0.0001
11/20/94	06:30	1	0.00003
11/20/94	10:30	3	0
11/20/94	06:30	3	0.00011
11/20/94	08:25	1	0.00003
11/20/94	08:25	2	0.00003
11/20/94	08:25	3	0
11/20/94	10:30	1	0.00003
11/20/94	10:30	2	0.00003
11/20/94	00:30	3	0.00012
11/20/94	06:30	2	0.00005
11/21/94	18:30	1	0
11/21/94	16:30	3	0
11/21/94	18:30	2	0.00002
11/21/94	16:30	1	0
11/21/94	22:00	1	0
11/21/94	14:30	1	0
11/21/94	16:30	2	0.00002
11/21/94	18:30	3	0
11/21/94	20:00	1	0
11/21/94	20:00	3	0
11/21/94	22:00	2	0
11/21/94	22:00	3	0
11/21/94	12:30	2	0.00003
11/21/94	10:30	3	0
11/21/94	20:00	2	0
11/21/94	02:30	2	0.00002
11/21/94	12:30	3	0
11/21/94	00:30	2	0.00002
11/21/94	02:30	1	0.00015
11/21/94	00:30	1	0.00014
11/21/94	02:30	3	0
11/21/94	04:30	1	0.00014

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
11/21/94	04:30	2	0.00002
11/21/94	04:30	3	0
11/21/94	06:15	1	0.0002
11/21/94	06:15	2	0.00003
11/21/94	06:15	3	0
11/21/94	10:30	1	0
11/21/94	10:30	2	0.00003
11/21/94	00:30	3	0.00008
11/22/94	18:30	2	0.00003
11/22/94	14:30	3	0
11/22/94	16:30	1	0
11/22/94	14:30	1	0.00001
11/22/94	16:30	2	0
11/22/94	16:30	3	0
11/22/94	18:30	1	0
11/22/94	18:30	3	0
11/22/94	20:30	1	0
11/22/94	20:30	2	0.00003
11/22/94	20:30	3	0
11/22/94	22:30	1	0
11/22/94	22:30	3	0
11/22/94	12:30	3	0
11/22/94	12:30	2	0.00003
11/22/94	22:30	2	0.00002
11/22/94	02:00	3	0
11/22/94	12:30	1	0.00001
11/22/94	14:30	2	0.00003
11/22/94	00:05	3	0
11/22/94	02:00	2	0
11/22/94	00:05	2	0
11/22/94	04:00	1	0
11/22/94	04:00	2	0
11/22/94	04:00	3	0
11/22/94	06:00	1	0
11/22/94	06:00	2	0
11/22/94	06:00	3	0
11/22/94	10:30	1	0
11/22/94	10:30	2	0.00002
11/22/94	10:30	3	0
11/22/94	00:05	1	0
11/22/94	02:00	1	0
11/23/94	17:22	1	0.00003
11/23/94	11:00	3	0.0001
11/23/94	13:22	2	0.00009

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
11/23/94	13:22	3	0.00004
11/23/94	15:22	1	0.00004
11/23/94	15:22	2	0.00007
11/23/94	15:22	3	0.00003
11/23/94	17:22	2	0.00007
11/23/94	17:22	3	0.00002
11/23/94	20:20	1	0
11/23/94	20:20	2	0.00007
11/23/94	20:20	3	0.00001
11/23/94	22:45	2	0.00006
11/23/94	11:00	2	0.00012
11/23/94	22:45	3	0.00001
11/23/94	22:45	1	0
11/23/94	02:25	1	0
11/23/94	13:22	1	0.00006
11/23/94	11:00	1	0
11/23/94	00:30	1	0
11/23/94	00:30	3	0
11/23/94	02:25	2	0.00003
11/23/94	02:25	3	0
11/23/94	04:20	1	0
11/23/94	09:05	2	0.00001
11/23/94	04:20	3	0
11/23/94	06:20	1	0
11/23/94	06:20	2	0.00003
11/23/94	06:20	3	0.00007
11/23/94	09:05	1	0.00001
11/23/94	04:20	2	0.00003
11/23/94	00:30	2	0.00002
11/23/94	09:05	3	0.00001
11/24/94	22:00	3	0
11/24/94	14:00	3	0
11/24/94	14:00	2	0.00004
11/24/94	14:00	1	0
11/24/94	12:00	2	0.00007
11/24/94	16:00	2	0.00003
11/24/94	22:00	2	0.00002
11/24/94	12:00	3	0.00004
11/24/94	16:00	1	0
11/24/94	18:00	1	0
11/24/94	18:00	2	0.00002
11/24/94	18:00	3	0.00001
11/24/94	20:00	1	0
11/24/94	20:00	2	0.00002

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
11/24/94	22:00	1	0
11/24/94	12:00	1	0
11/24/94	20:00	3	0
11/24/94	02:30	1	0
11/24/94	10:00	3	0.00002
11/24/94	16:00	3	0.00001
11/24/94	00:30	1	0
11/24/94	00:30	3	0.00001
11/24/94	02:30	2	0.0001
11/24/94	02:30	3	0.00001
11/24/94	04:30	1	0
11/24/94	04:30	2	0.0001
11/24/94	10:00	1	0
11/24/94	06:30	1	0
11/24/94	06:30	2	0.00011
11/24/94	06:30	3	0.00003
11/24/94	08:00	1	0
11/24/94	08:20	2	0
11/24/94	08:40	3	0.00002
11/24/94	04:30	3	0.00002
11/24/94	00:30	2	0.0001
11/24/94	10:00	2	0.00004
11/25/94	18:00	1	0
11/25/94	16:00	3	0.00014
11/25/94	16:00	2	0.00013
11/25/94	16:00	1	0
11/25/94	14:00	3	0.0012
11/25/94	14:00	1	0
11/25/94	18:00	2	0.00009
11/25/94	23:50	3	0.00003
11/25/94	14:00	2	0.0016
11/25/94	18:00	3	0.0014
11/25/94	20:00	1	0
11/25/94	20:00	2	0.00007
11/25/94	20:00	3	0.00012
11/25/94	22:00	1	0
11/25/94	22:00	2	0.00006
11/25/94	22:00	3	0.00011
11/25/94	23:50	2	0
11/25/94	12:00	1	0
11/25/94	23:50	1	0
11/25/94	00:10	2	0
11/25/94	12:00	3	0.00002
11/25/94	00:10	1	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
11/25/94	12:00	2	0.00009
11/25/94	00:10	3	0
11/25/94	02:00	1	0
11/25/94	02:00	2	0
11/25/94	02:00	3	0
11/25/94	04:00	1	0
11/25/94	04:00	2	0
11/25/94	04:00	3	0
11/25/94	10:00	3	0.00004
11/25/94	06:00	2	0
11/25/94	06:00	3	0.00004
11/25/94	07:35	1	0
11/25/94	08:00	2	0
11/25/94	08:11	3	0
11/25/94	10:00	1	0
11/25/94	10:00	2	0.00002
11/25/94	06:00	1	0
11/26/94	19:00	2	0
11/26/94	19:00	1	0
11/26/94	17:00	3	0
11/26/94	17:00	2	0
11/26/94	19:00	3	0
11/26/94	23:55	3	0
11/26/94	22:00	2	0
11/26/94	17:00	1	0
11/26/94	20:10	1	0
11/26/94	20:10	2	0
11/26/94	23:55	2	0
11/26/94	22:00	1	0
11/26/94	22:00	3	0
11/26/94	23:55	1	0
11/26/94	15:00	1	0
11/26/94	20:10	3	0
11/26/94	04:00	1	0
11/26/94	15:00	3	0
11/26/94	15:00	2	0.00002
11/26/94	02:00	1	0
11/26/94	02:00	3	0.00004
11/26/94	04:00	2	0
11/26/94	04:00	3	0.00004
11/26/94	06:00	1	0
11/26/94	13:00	2	0.00001
11/26/94	02:00	2	0
11/26/94	13:00	3	0.00001

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

<b>Date Sampled</b>	<b>Time</b>	<b>Station #</b>	<b>Results ug/m3</b>
11/26/94	06:00	2	0
11/26/94	13:00	1	0
11/26/94	10:52	3	0.00002
11/26/94	10:45	2	0
11/26/94	10:20	1	0
11/26/94	06:00	3	0.00001
11/27/94	18:00	3	0.00002
11/27/94	24:00	2	0
11/27/94	16:00	2	0
11/27/94	16:00	3	0.00003
11/27/94	18:00	1	0.00011
11/27/94	18:00	2	0
11/27/94	14:00	3	0.00003
11/27/94	20:00	1	0.00012
11/27/94	20:00	2	0
11/27/94	20:00	3	0.00002
11/27/94	22:00	1	0.00005
11/27/94	22:00	2	0
11/27/94	14:00	1	0.00008
11/27/94	24:00	1	0.00006
11/27/94	14:00	2	0
11/27/94	24:00	3	0.00001
11/27/94	22:00	3	0.00002
11/27/94	04:00	1	0
11/27/94	16:00	1	0.00011
11/27/94	12:00	3	0.00002
11/27/94	02:00	1	0
11/27/94	02:00	3	0
11/27/94	04:00	2	0
11/27/94	04:00	3	0
11/27/94	06:00	1	0
11/27/94	06:00	2	0
11/27/94	12:00	1	0.00002
11/27/94	07:50	1	0
11/27/94	08:10	2	0
11/27/94	08:19	3	0
11/27/94	10:00	1	0.00001
11/27/94	10:00	2	0
11/27/94	10:00	3	0.00002
11/27/94	06:00	3	0
11/27/94	02:00	2	0
11/27/94	12:00	2	0
11/28/94	08:41	3	0.00001
11/28/94	11:00	1	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
11/28/94	11:00	2	0
11/28/94	11:00	3	0
11/28/94	13:00	1	0
11/28/94	15:00	2	0
11/28/94	08:22	2	0
11/28/94	02:00	1	0.00005
11/28/94	13:00	2	0.00001
11/28/94	08:10	1	0.00008
11/28/94	06:00	3	0
11/28/94	06:00	2	0
11/28/94	06:00	1	0.00007
11/28/94	04:00	3	0.00001
11/28/94	04:00	2	0
11/28/94	04:00	1	0.00004
11/28/94	02:00	2	0
11/28/94	15:00	1	0
11/28/94	02:00	3	0.00001
11/28/94	23:00	1	0
11/28/94	13:00	3	0.00001
11/28/94	23:00	2	0
11/28/94	21:00	3	0
11/28/94	21:00	2	0
11/28/94	21:00	1	0
11/28/94	19:00	3	0
11/28/94	19:00	2	0
11/28/94	19:00	1	0
11/28/94	17:00	3	0
11/28/94	17:00	2	0
11/28/94	17:00	1	0
11/28/94	15:00	3	0
11/28/94	23:00	3	0
11/29/94	22:00	2	0.00005
11/29/94	16:00	2	0.00004
11/29/94	12:00	2	0.00004
11/29/94	12:00	3	0
11/29/94	14:00	1	0
11/29/94	14:00	2	0.00004
11/29/94	14:00	3	0
11/29/94	16:00	1	0
11/29/94	16:00	3	0
11/29/94	18:00	1	0
11/29/94	18:00	2	0.0004
11/29/94	18:00	3	0.00001
11/29/94	20:00	1	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
11/29/94	12:00	1	0
11/29/94	20:00	3	0.00002
11/29/94	22:00	1	0
11/29/94	20:00	2	0.00005
11/29/94	01:00	1	0
11/29/94	22:00	3	0.00002
11/29/94	10:00	3	0
11/29/94	01:00	2	0
11/29/94	01:00	3	0
11/29/94	03:00	1	0
11/29/94	03:00	2	0
11/29/94	03:00	3	0
11/29/94	03:40	1	0
11/29/94	03:40	2	0
11/29/94	06:00	1	0
11/29/94	06:00	2	0
11/29/94	06:00	3	0
11/29/94	08:00	1	0
11/29/94	08:25	2	0
11/29/94	08:30	3	0
11/29/94	10:00	1	0
11/29/94	10:00	2	0.00004
11/29/94	03:40	3	0
11/30/94	22:00	3	0
11/30/94	17:00	3	0
11/30/94	19:00	2	0
11/30/94	19:00	3	0
11/30/94	20:00	1	0
11/30/94	20:00	2	0
11/30/94	20:00	3	0
11/30/94	23:55	3	0
11/30/94	22:00	2	0
11/30/94	23:55	1	0
11/30/94	23:55	2	0.00005
11/30/94	17:00	2	0
11/30/94	22:00	1	0
11/30/94	08:30	2	0.00005
11/30/94	19:00	1	0
11/30/94	17:00	1	0
11/30/94	08:00	1	0.00001
11/30/94	08:45	3	0.00005
11/30/94	11:00	1	0
11/30/94	11:00	2	0
11/30/94	15:00	2	0



**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
11/30/94	13:00	1	0
11/30/94	13:00	2	0
11/30/94	13:00	3	0
11/30/94	15:00	1	0
11/30/94	11:00	3	0
11/30/94	15:00	3	0
12/1/94	18:00	3	0
12/1/94	18:00	2	0
12/1/94	18:00	1	0
12/1/94	14:00	3	0
12/1/94	16:00	2	0
12/1/94	16:00	1	0
12/1/94	20:00	1	0
12/1/94	24:00	2	0
12/1/94	16:00	3	0
12/1/94	20:00	2	0
12/1/94	20:00	3	0
12/1/94	22:00	1	0
12/1/94	22:00	2	0
12/1/94	24:00	1	0
12/1/94	24:00	3	0
12/1/94	06:00	1	0
12/1/94	14:00	2	0
12/1/94	22:00	3	0
12/1/94	04:00	3	0
12/1/94	14:00	1	0
12/1/94	06:00	3	0.00001
12/1/94	02:00	2	0
12/1/94	02:00	3	0
12/1/94	04:00	2	0
12/1/94	06:00	2	0
12/1/94	02:00	1	0
12/1/94	07:50	1	0
12/1/94	12:00	1	0
12/1/94	12:00	3	0
12/1/94	04:00	1	0
12/1/94	12:00	2	0
12/1/94	08:30	2	0.00002
12/1/94	10:00	3	0
12/1/94	10:00	2	0
12/1/94	10:00	1	0
12/1/94	08:15	3	0.00001
12/2/94	18:00	2	0
12/2/94	24:00	2	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
12/2/94	14:00	1	0
12/2/94	16:00	1	0
12/2/94	16:00	2	0
12/2/94	16:00	3	0
12/2/94	18:00	1	0
12/2/94	14:00	3	0
12/2/94	18:00	3	0
12/2/94	20:00	1	0
12/2/94	20:00	2	0
12/2/94	20:00	3	0
12/2/94	22:00	1	0
12/2/94	22:00	2	0
12/2/94	24:00	1	0
12/2/94	12:00	3	0
12/2/94	24:00	3	0
12/2/94	22:00	3	0
12/2/94	04:00	1	0
12/2/94	14:00	2	0
12/2/94	12:00	2	0
12/2/94	02:00	1	0
12/2/94	02:00	3	0
12/2/94	04:00	2	0
12/2/94	04:00	3	0
12/2/94	06:00	1	0
12/2/94	06:00	2	0
12/2/94	10:00	3	0.00001
12/2/94	02:00	2	0
12/2/94	12:00	1	0
12/2/94	06:00	3	0
12/2/94	10:00	2	0.00001
12/2/94	10:00	1	0
12/2/94	08:35	3	0
12/2/94	08:20	2	0
12/2/94	08:05	1	0
12/3/94	18:00	1	0
12/3/94	02:00	3	0
12/3/94	14:00	2	0
12/3/94	14:00	3	0
12/3/94	16:00	1	0
12/3/94	16:00	2	0
12/3/94	16:00	3	0
12/3/94	14:00	1	0
12/3/94	18:00	2	0
12/3/94	18:00	3	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
12/3/94	20:00	1	0
12/3/94	20:00	2	0
12/3/94	20:00	3	0
12/3/94	22:00	1	0
12/3/94	22:00	2	0
12/3/94	12:00	3	0
12/3/94	22:00	3	0
12/3/94	02:00	1	0
12/3/94	04:00	2	0
12/3/94	02:00	2	0
12/3/94	04:00	1	0
12/3/94	04:00	3	0
12/3/94	06:00	1	0
12/3/94	06:00	2	0
12/3/94	06:00	3	0
12/3/94	12:00	1	0
12/3/94	08:15	2	0
12/3/94	08:30	3	0
12/3/94	10:00	1	0
12/3/94	10:00	2	0
12/3/94	10:00	3	0
12/3/94	08:00	1	0
12/3/94	12:00	2	0
12/4/94	16:00	3	0
12/4/94	16:00	2	0
12/4/94	16:00	1	0.00001
12/4/94	14:00	3	0
12/4/94	14:00	2	0
12/4/94	12:00	3	0
12/4/94	18:00	1	0
12/4/94	22:00	3	0
12/4/94	14:00	1	0
12/4/94	18:00	2	0
12/4/94	18:00	3	0
12/4/94	20:00	1	0.00004
12/4/94	20:00	2	0
12/4/94	20:00	3	0
12/4/94	12:00	1	0
12/4/94	22:00	2	0
12/4/94	10:00	3	0
12/4/94	22:00	1	0.00004
12/4/94	00:10	3	0
12/4/94	00:10	1	0
12/4/94	12:00	2	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
12/4/94	00:10	2	0.00001
12/4/94	02:00	1	0
12/4/94	02:00	2	0.00001
12/4/94	02:00	3	0
12/4/94	04:00	1	0
12/4/94	04:00	2	0
12/4/94	04:00	3	0
12/4/94	06:00	2	0
12/4/94	06:00	3	0
12/4/94	08:00	1	0
12/4/94	08:15	2	0.00001
12/4/94	08:30	3	0
12/4/94	10:00	1	0
12/4/94	10:00	2	0
12/4/94	06:00	1	0
12/5/94	16:00	2	0
12/5/94	18:00	3	0
12/5/94	10:00	3	0
12/5/94	10:00	1	0
12/5/94	12:00	2	0
12/5/94	12:00	3	0
12/5/94	14:00	1	0
12/5/94	14:00	2	0
12/5/94	18:00	2	0
12/5/94	16:00	1	0
12/5/94	16:00	3	0
12/5/94	18:00	1	0
12/5/94	10:00	2	0
12/5/94	14:00	3	0
12/5/94	02:00	1	0.00001
12/5/94	12:00	1	0
12/5/94	08:30	3	0
12/5/94	24:00	1	0.00009
12/5/94	24:00	3	0
12/5/94	02:00	2	0
12/5/94	02:00	3	0
12/5/94	04:00	1	0.00001
12/5/94	04:00	2	0
12/5/94	04:00	3	0
12/5/94	06:00	1	0.00006
12/5/94	06:00	2	0
12/5/94	06:00	3	0.00001
12/5/94	08:00	1	0
12/5/94	08:15	2	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
12/5/94	24:00	2	0
12/6/94	22:00	2	0
12/6/94	16:00	3	0
12/6/94	12:00	3	0
12/6/94	14:00	2	0
12/6/94	14:00	3	0
12/6/94	16:00	1	0
12/6/94	16:00	2	0
12/6/94	18:00	1	0
12/6/94	18:00	2	0
12/6/94	18:00	3	0
12/6/94	20:00	1	0
12/6/94	20:00	2	0
12/6/94	12:00	1	0
12/6/94	22:00	1	0
12/6/94	12:00	2	0
12/6/94	22:00	3	0
12/6/94	20:00	3	0
12/6/94	02:00	1	0
12/6/94	14:00	1	0
12/6/94	10:00	3	0
12/6/94	24:00	1	0
12/6/94	24:00	3	0
12/6/94	02:00	2	0
12/6/94	02:00	3	0
12/6/94	04:00	1	0
12/6/94	04:00	2	0
12/6/94	10:00	1	0
12/6/94	24:00	2	0
12/6/94	10:00	2	0.00001
12/6/94	04:00	3	0
12/6/94	07:30	3	0
12/6/94	07:30	2	0
12/6/94	07:30	1	0
12/6/94	06:00	3	0
12/6/94	06:00	2	0
12/6/94	06:00	1	0
12/7/94	06:00	3	0
12/7/94	16:00	3	0
12/7/94	14:00	1	0
12/7/94	14:00	2	0
12/7/94	12:00	2	0.00001
12/7/94	14:00	3	0
12/7/94	16:00	1	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
12/7/94	16:00	2	0
12/7/94	12:00	3	0
12/7/94	18:00	1	0
12/7/94	18:00	2	0.00001
12/7/94	18:00	3	0
12/7/94	20:00	1	0
12/7/94	20:00	2	0
12/7/94	20:00	3	0
12/7/94	22:00	1	0
12/7/94	22:00	3	0
12/7/94	22:00	2	0
12/7/94	24:00	2	0
12/7/94	24:00	1	0
12/7/94	24:00	3	0
12/7/94	02:00	1	0
12/7/94	02:00	2	0
12/7/94	02:00	3	0
12/7/94	04:00	1	0
12/7/94	04:00	2	0
12/7/94	04:00	3	0
12/7/94	10:00	3	0
12/7/94	06:00	2	0
12/7/94	12:00	1	0
12/7/94	08:00	1	0
12/7/94	08:30	3	0
12/7/94	10:00	1	0
12/7/94	10:00	2	0
12/7/94	08:15	2	0
12/7/94	06:00	1	0
12/8/94	14:00	1	0
12/8/94	12:00	3	0
12/8/94	14:00	2	0
12/8/94	12:00	1	0
12/8/94	20:00	1	0
12/8/94	10:00	3	0
12/8/94	12:00	2	0
12/8/94	14:00	3	0
12/8/94	16:00	1	0
12/8/94	16:00	3	0
12/8/94	20:00	2	0
12/8/94	20:00	3	0
12/8/94	10:00	1	0
12/8/94	08:00	3	0
12/8/94	16:00	2	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
12/8/94	02:00	2	0
12/8/94	10:00	2	0
12/8/94	24:00	1	0.00002
12/8/94	24:00	2	0.00002
12/8/94	02:00	1	0.00001
12/8/94	02:00	3	0
12/8/94	04:00	1	0
12/8/94	04:00	2	0
12/8/94	04:00	3	0
12/8/94	06:00	1	0
12/8/94	06:00	2	0
12/8/94	06:00	3	0
12/8/94	08:00	1	0
12/8/94	08:00	2	0
12/8/94	24:00	3	0
12/9/94	22:00	3	0
12/9/94	18:00	1	0.00008
12/9/94	14:00	1	0
12/9/94	14:00	3	0
12/9/94	12:00	2	0
12/9/94	16:00	1	0.00007
12/9/94	16:00	2	0
12/9/94	16:00	3	0
12/9/94	18:00	2	0
12/9/94	18:00	3	0
12/9/94	20:00	1	0.00008
12/9/94	20:00	2	0.00002
12/9/94	20:00	3	0.00005
12/9/94	22:00	2	0
12/9/94	12:00	3	0
12/9/94	12:00	1	0
12/9/94	22:00	1	0.00009
12/9/94	24:00	3	0
12/9/94	14:00	2	0
12/9/94	10:00	3	0
12/9/94	24:00	2	0
12/9/94	02:00	1	0
12/9/94	02:00	2	0
12/9/94	02:00	3	0
12/9/94	04:00	1	0
12/9/94	04:00	2	0
12/9/94	04:00	3	0
12/9/94	24:00	1	0
12/9/94	06:00	1	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

<b>Date Sampled</b>	<b>Time</b>	<b>Station #</b>	<b>Results ug/m3</b>
12/9/94	10:00	1	0
12/9/94	10:00	2	0
12/9/94	08:15	3	0
12/9/94	08:05	2	0
12/9/94	07:55	1	0
12/9/94	06:00	3	0
12/9/94	06:00	2	0
12/10/94	12:00	3	0
12/10/94	20:30	2	0.00003
12/10/94	16:00	3	0
12/10/94	14:00	3	0
12/10/94	16:00	1	0
12/10/94	16:00	2	0.00007
12/10/94	14:00	2	0.00009
12/10/94	18:00	1	0
12/10/94	18:00	2	0.00004
12/10/94	22:30	2	0.00003
12/10/94	20:30	1	0
12/10/94	20:30	3	0
12/10/94	22:30	1	0
12/10/94	12:00	2	0.00007
12/10/94	22:30	3	0
12/10/94	18:00	3	0
12/10/94	02:00	3	0
12/10/94	14:00	1	0
12/10/94	12:00	1	0
12/10/94	02:00	2	0
12/10/94	04:00	1	0.00009
12/10/94	04:00	2	0
12/10/94	04:00	3	0
12/10/94	06:00	1	0.00009
12/10/94	10:00	2	0.00001
12/10/94	06:00	3	0
12/10/94	08:00	1	0
12/10/94	08:15	2	0.00009
12/10/94	08:30	3	0.00004
12/10/94	10:00	1	0
12/10/94	06:00	2	0
12/10/94	02:00	1	0.00005
12/10/94	10:00	3	0
12/11/94	16:00	3	0
12/11/94	16:00	2	0.00009
12/11/94	16:00	1	0.00001
12/11/94	14:00	3	0



**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
12/11/94	14:00	1	0
12/11/94	12:00	3	0
12/11/94	24:00	3	0
12/11/94	24:00	1	0
12/11/94	14:00	2	0.00007
12/11/94	18:00	2	0.00007
12/11/94	18:00	1	0
12/11/94	20:00	1	0
12/11/94	20:00	2	0.00007
12/11/94	20:00	3	0
12/11/94	22:00	1	0
12/11/94	22:00	3	0
12/11/94	24:00	2	0.00006
12/11/94	12:00	2	0.00005
12/11/94	22:00	2	0.00006
12/11/94	00:30	3	0
12/11/94	12:00	1	0.00001
12/11/94	18:00	3	0
12/11/94	00:30	2	0.00002
12/11/94	02:30	1	0
12/11/94	02:30	2	0.00003
12/11/94	02:30	3	0
12/11/94	04:30	1	0
12/11/94	04:30	2	0.00003
12/11/94	04:30	3	0
12/11/94	10:00	2	0
12/11/94	00:30	1	0
12/11/94	06:30	1	0
12/11/94	10:00	3	0
12/11/94	10:00	1	0
12/11/94	08:30	3	0
12/11/94	08:15	2	0
12/11/94	08:00	1	0
12/11/94	06:30	3	0
12/11/94	06:30	2	0.00003
12/12/94	16:00	3	0
12/12/94	22:00	3	0
12/12/94	20:00	1	0
12/12/94	18:00	2	0
12/12/94	18:00	3	0
12/12/94	18:00	1	0
12/12/94	20:00	2	0
12/12/94	20:00	3	0
12/12/94	22:00	2	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
12/12/94	16:00	2	0
12/12/94	14:00	2	0
12/12/94	22:00	1	0
12/12/94	08:00	3	0
12/12/94	16:00	1	0
12/12/94	08:00	2	0.00006
12/12/94	10:00	1	0
12/12/94	10:00	2	0.00001
12/12/94	10:00	3	0
12/12/94	12:00	1	0
12/12/94	12:00	2	0
12/12/94	12:00	3	0
12/12/94	14:00	1	0
12/12/94	14:00	3	0
12/12/94	08:00	1	0
12/13/94	22:00	1	0
12/13/94	14:00	1	0
12/13/94	18:00	1	0
12/13/94	14:00	2	0
12/13/94	14:00	3	0
12/13/94	16:00	1	0
12/13/94	16:00	2	0
12/13/94	16:00	3	0
12/13/94	18:00	2	0
12/13/94	18:00	3	0
12/13/94	20:00	1	0
12/13/94	20:00	3	0
12/13/94	12:00	3	0
12/13/94	22:00	2	0
12/13/94	24:00	3	0
12/13/94	20:00	2	0
12/13/94	02:00	1	0
12/13/94	02:00	2	0
12/13/94	12:00	2	0
12/13/94	24:00	2	0
12/13/94	22:00	3	0
12/13/94	24:00	1	0
12/13/94	02:00	3	0
12/13/94	04:00	1	0
12/13/94	04:00	2	0
12/13/94	04:00	3	0
12/13/94	08:00	1	0
12/13/94	08:00	2	0
12/13/94	08:00	3	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

Date Sampled	Time	Station #	Results ug/m3
12/13/94	10:00	1	0
12/13/94	10:00	2	0
12/13/94	10:00	3	0
12/13/94	12:00	1	0
12/14/94	18:00	1	0.00001
12/14/94	14:00	2	0
12/14/94	14:00	3	0
12/14/94	16:00	1	0.00001
12/14/94	16:00	2	0
12/14/94	16:00	3	0.00001
12/14/94	14:00	1	0
12/14/94	18:00	2	0.00001
12/14/94	18:00	3	0.00002
12/14/94	20:00	1	0.00002
12/14/94	20:00	2	0.00002
12/14/94	20:00	3	0.00003
12/14/94	22:00	1	0.00001
12/14/94	22:00	2	0
12/14/94	12:00	3	0
12/14/94	22:00	3	0.00002
12/14/94	02:00	3	0
12/14/94	12:00	2	0
12/14/94	24:00	2	0
12/14/94	24:00	3	0
12/14/94	02:00	2	0
12/14/94	24:00	1	0
12/14/94	04:00	1	0
12/14/94	04:00	2	0
12/14/94	04:00	3	0
12/14/94	08:00	1	0
12/14/94	08:00	2	0
12/14/94	08:00	3	0
12/14/94	10:00	1	0
12/14/94	10:00	2	0
12/14/94	10:00	3	0
12/14/94	12:00	1	0
12/14/94	02:00	1	0
12/15/94	18:00	2	0
12/15/94	16:00	1	0
12/15/94	16:00	2	0
12/15/94	16:00	3	0
12/15/94	18:00	1	0
12/15/94	18:00	3	0
12/15/94	20:00	1	0

**Appendix C**  
**Table 3**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read Particulate Monitoring Data**

<b>Date Sampled</b>	<b>Time</b>	<b>Station #</b>	<b>Results ug/m3</b>
12/15/94	20:00	2	0
12/15/94	20:00	3	0
12/15/94	22:00	1	0
12/15/94	22:00	3	0
12/15/94	12:00	1	0
12/15/94	22:00	2	0
12/15/94	24:00	3	0.00002
12/15/94	12:00	3	0
12/15/94	12:00	2	0
12/15/94	24:00	2	0.00002
12/15/94	02:00	1	0.00001
12/15/94	02:00	2	0.00002
12/15/94	02:00	3	0.00002
12/15/94	08:00	1	0.00001
12/15/94	08:00	2	0.00003
12/15/94	08:00	3	0.00002
12/15/94	10:00	1	0.00001
12/15/94	10:00	2	0
12/15/94	10:00	3	0.00001
12/15/94	24:00	1	0.00001
12/16/94	08:20	1	0
12/16/94	12:20	3	0
12/16/94	16:00	2	0
12/16/94	16:00	1	0
12/16/94	14:00	3	0
12/16/94	14:00	2	0
12/16/94	14:00	1	0
12/16/94	12:20	2	0
12/16/94	12:20	1	0
12/16/94	10:00	3	0
12/16/94	10:00	2	0
12/16/94	10:00	1	0
12/16/94	08:20	2	0
12/16/94	16:00	3	0
12/16/94	08:20	3	0

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
10/17/94	13:00	2	0
10/17/94	13:00	3	0.3
10/17/94	17:45	1	0
10/17/94	17:45	2	0
10/17/94	17:45	3	0.2
10/17/94	12:45	1	0
10/18/94	17:00	1	3.1
10/18/94	17:00	2	3.7
10/18/94	17:00	3	1.3
10/20/94	17:00	3	0.8
10/20/94	17:00	2	3.8
10/28/94	15:00	1	0
10/28/94	15:00	3	0
10/31/94	17:00	1	0
10/31/94	17:00	2	0
10/31/94	17:00	3	0.2
10/31/94	22:30	1	0.2
10/31/94	22:30	3	0.2
11/2/94	22:30	2	0
11/2/94	22:30	3	0
11/2/94	22:30	1	0
11/2/94	16:00	1	0.22
11/2/94	16:00	2	1.71
11/3/94	05:30	1	0.14
11/3/94	06:00	2	22.1
11/3/94	06:30	3	0
11/3/94	15:00	1	0.2
11/3/94	15:00	3	0.1
11/3/94	17:00	1	0.1
11/3/94	17:00	2	0
11/3/94	17:00	3	0.2
11/3/94	21:00	2	0
11/5/94	11:00	2	0
11/5/94	04:30	2	0
11/5/94	11:00	3	0
11/5/94	04:30	3	0
11/5/94	11:00	1	0
11/5/94	04:30	1	0.6
11/6/94	17:00	1	0
11/6/94	17:00	2	0
11/6/94	17:00	3	0

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

<b>Date Sampled</b>	<b>Time</b>	<b>Station #</b>	<b>Results ppm</b>
11/13/94	21:15	3	0
11/13/94	23:50	3	0
11/13/94	23:34	1	0
11/13/94	21:20	2	0
11/13/94	21:00	1	0
11/13/94	18:45	3	0
11/13/94	18:30	2	0
11/13/94	18:00	1	0
11/13/94	23:55	2	0
11/14/94	22:45	3	0
11/14/94	18:45	1	0
11/14/94	15:00	2	0
11/14/94	15:00	3	0
11/14/94	13:00	3	0
11/14/94	16:45	1	0
11/14/94	16:45	2	0
11/14/94	16:45	3	0
11/14/94	18:45	2	0
11/14/94	18:45	3	0
11/14/94	20:45	1	0
11/14/94	20:45	2	0
11/14/94	20:45	3	0
11/14/94	22:45	2	0
11/14/94	13:00	1	0
11/14/94	13:00	2	0
11/14/94	22:45	1	0
11/14/94	06:24	1	0
11/14/94	11:00	3	0
11/14/94	01:50	3	0
11/14/94	04:05	1	0
11/14/94	04:15	3	0
11/14/94	01:50	2	0
11/14/94	06:42	2	0
11/14/94	06:37	3	0
11/14/94	08:00	1	0
11/14/94	01:50	1	0
11/14/94	08:00	3	0
11/14/94	09:30	1	0
11/14/94	09:30	2	0
11/14/94	09:30	3	0
11/14/94	15:00	1	0

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

<b>Date Sampled</b>	<b>Time</b>	<b>Station #</b>	<b>Results ppm</b>
11/14/94	11:00	1	0
11/14/94	08:00	2	0
11/14/94	04:20	2	0
11/14/94	11:00	2	0
11/15/94	17:15	1	0
11/15/94	14:00	3	0
11/15/94	14:00	2	0
11/15/94	14:00	1	0
11/15/94	12:30	2	0
11/15/94	17:15	2	0
11/15/94	12:30	3	0
11/15/94	17:15	3	0
11/15/94	18:30	1	0
11/15/94	18:30	2	0
11/15/94	18:30	3	0
11/15/94	20:30	1	0
11/15/94	20:30	3	0
11/15/94	22:30	2	0
11/15/94	10:30	2	0
11/15/94	22:30	3	0
11/15/94	22:30	1	0
11/15/94	02:45	1	0
11/15/94	12:30	1	0
11/15/94	10:30	3	0
11/15/94	00:45	1	0
11/15/94	00:45	3	0
11/15/94	02:45	2	0
11/15/94	02:45	3	0
11/15/94	04:45	1	0
11/15/94	04:45	2	0
11/15/94	08:30	3	0
11/15/94	00:45	2	0
11/15/94	10:30	1	0
11/15/94	04:45	3	0
11/15/94	08:30	2	0
11/15/94	08:30	1	0
11/15/94	06:30	3	0
11/15/94	06:30	2	0
11/15/94	06:30	1	0
11/16/94	18:30	1	0
11/16/94	12:30	1	0.1

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

<b>Date Sampled</b>	<b>Time</b>	<b>Station #</b>	<b>Results ppm</b>
11/16/94	12:30	3	0.1
11/16/94	14:30	1	0
11/16/94	14:30	3	0.1
11/16/94	16:30	2	0
11/16/94	16:30	3	0
11/16/94	12:30	2	0
11/16/94	18:30	2	0
11/16/94	18:30	3	0
11/16/94	20:30	1	0
11/16/94	20:30	2	0
11/16/94	20:30	3	0
11/16/94	22:30	1	0
11/16/94	22:30	2	0
11/16/94	14:30	2	0
11/16/94	22:30	3	0
11/16/94	00:30	2	0
11/16/94	16:30	1	0
11/16/94	00:30	3	0
11/16/94	02:30	1	0
11/16/94	02:30	2	0
11/16/94	02:30	3	0
11/16/94	04:30	1	0
11/16/94	04:30	2	0
11/16/94	04:30	3	0
11/16/94	06:30	1	0
11/16/94	10:30	2	0.1
11/16/94	06:30	3	0
11/16/94	10:30	3	0.1
11/16/94	09:20	1	0
11/16/94	00:30	1	0
11/16/94	09:20	2	0
11/16/94	09:20	3	0
11/16/94	10:30	1	0
11/16/94	06:30	2	0
11/17/94	16:30	3	0.1
11/17/94	16:30	2	0.1
11/17/94	16:30	1	0.1
11/17/94	14:30	3	0
11/17/94	18:30	1	0
11/17/94	14:30	1	0.1
11/17/94	20:00	3	0

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.



**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

<b>Date Sampled</b>	<b>Time</b>	<b>Station #</b>	<b>Results ppm</b>
11/17/94	12:30	3	0
11/17/94	14:30	2	0.1
11/17/94	18:30	2	0
11/17/94	18:30	3	0
11/17/94	22:00	3	0
11/17/94	20:00	2	0
11/17/94	22:00	1	0
11/17/94	22:00	2	0
11/17/94	12:30	1	0.02
11/17/94	10:30	3	0.2
11/17/94	20:00	1	0
11/17/94	04:30	1	0
11/17/94	12:30	2	0
11/17/94	00:30	1	0
11/17/94	00:30	3	0
11/17/94	02:30	1	0
11/17/94	02:30	3	0
11/17/94	00:30	2	0
11/17/94	04:30	2	0
11/17/94	04:30	3	0
11/17/94	10:30	2	0
11/17/94	06:30	2	0
11/17/94	06:30	3	0
11/17/94	08:30	1	0
11/17/94	08:55	2	0
11/17/94	09:25	3	0.2
11/17/94	10:30	1	0.3
11/17/94	06:30	1	0
11/17/94	02:30	2	0
11/18/94	16:30	2	0
11/18/94	16:30	1	0
11/18/94	14:30	3	0
11/18/94	14:30	2	0
11/18/94	12:30	3	0
11/18/94	16:30	3	0
11/18/94	22:30	3	0
11/18/94	18:30	1	0
11/18/94	18:30	2	0
11/18/94	18:30	3	0
11/18/94	20:30	1	0
11/18/94	20:30	2	0

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
11/18/94	20:30	3	0
11/18/94	22:30	2	0
11/18/94	12:30	2	0
11/18/94	12:30	1	0
11/18/94	22:30	1	0
11/18/94	02:00	1	0
11/18/94	10:30	3	0
11/18/94	14:30	1	0
11/18/94	24:00	1	0
11/18/94	24:00	3	0
11/18/94	02:00	2	0
11/18/94	02:00	3	0
11/18/94	04:00	1	0
11/18/94	04:00	2	0
11/18/94	10:30	1	0.2
11/18/94	06:00	1	0
11/18/94	06:00	2	0
11/18/94	06:00	3	0
11/18/94	08:30	1	0.3
11/18/94	08:30	2	0
11/18/94	08:30	3	0.1
11/18/94	04:00	3	0
11/18/94	24:00	2	0
11/18/94	10:30	2	0
11/19/94	16:30	1	0.1
11/19/94	14:30	3	0
11/19/94	14:30	2	0
11/19/94	14:30	1	0
11/19/94	12:30	3	0
11/19/94	10:30	3	0
11/19/94	16:30	2	0.1
11/19/94	22:30	2	0
11/19/94	12:30	2	0
11/19/94	16:30	3	0
11/19/94	18:30	1	0
11/19/94	18:30	2	0
11/19/94	18:30	3	0
11/19/94	20:30	1	0
11/19/94	20:30	2	0
11/19/94	22:30	1	0
11/19/94	10:30	2	0

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
11/19/94	22:30	3	0
11/19/94	20:30	3	0
11/19/94	01:30	2	0
11/19/94	12:30	1	0
11/19/94	10:30	1	0
11/19/94	00:30	1	0
11/19/94	00:30	2	0
11/19/94	01:30	1	0
11/19/94	01:30	3	0
11/19/94	02:30	1	0
11/19/94	02:30	2	0
11/19/94	02:30	3	0
11/19/94	08:30	2	0
11/19/94	00:30	3	0
11/19/94	08:30	3	0
11/19/94	04:30	1	0
11/19/94	08:30	1	0
11/19/94	06:30	3	0
11/19/94	06:30	2	0
11/19/94	06:30	1	0
11/19/94	04:30	3	0
11/19/94	04:30	2	0
11/20/94	18:30	1	0
11/20/94	12:30	2	0
11/20/94	14:30	1	0
11/20/94	14:30	2	0
11/20/94	14:30	3	0
11/20/94	16:30	1	0
11/20/94	16:30	2	0
11/20/94	16:30	3	0
11/20/94	12:30	3	0
11/20/94	18:30	2	0
11/20/94	18:30	3	0
11/20/94	20:30	1	0
11/20/94	20:30	2	0
11/20/94	20:30	3	0
11/20/94	22:25	1	0
11/20/94	22:25	2	0
11/20/94	08:25	3	0
11/20/94	22:25	3	0
11/20/94	02:30	1	0

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
11/20/94	12:30	1	0
11/20/94	00:30	3	0
11/20/94	02:30	2	0
11/20/94	02:30	3	0
11/20/94	04:30	1	0
11/20/94	04:30	2	0
11/20/94	04:30	3	0
11/20/94	06:30	1	0
11/20/94	06:30	3	0
11/20/94	08:25	1	0
11/20/94	08:25	2	0
11/20/94	10:30	2	0
11/20/94	10:30	1	0
11/20/94	00:30	1	0
11/20/94	10:30	3	0
11/20/94	06:30	2	0
11/20/94	00:30	2	0
11/21/94	22:00	3	0
11/21/94	16:30	3	0
11/21/94	18:30	1	0
11/21/94	18:30	2	0
11/21/94	18:30	3	0
11/21/94	20:00	1	0
11/21/94	20:00	2	0
11/21/94	20:00	3	0
11/21/94	22:00	2	0
11/21/94	16:30	1	0
11/21/94	06:15	3	0
11/21/94	22:00	1	0
11/21/94	00:30	3	0
11/21/94	16:30	2	0
11/21/94	00:30	2	0
11/21/94	02:30	1	0
11/21/94	02:30	2	0
11/21/94	02:30	3	0
11/21/94	04:30	1	0
11/21/94	04:30	2	0
11/21/94	04:30	3	0
11/21/94	06:15	1	0
11/21/94	06:15	2	0
11/21/94	00:30	1	0

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
11/22/94	22:30	2	0
11/22/94	18:30	2	0
11/22/94	14:30	1	0
11/22/94	14:30	3	0
11/22/94	16:30	2	0.03
11/22/94	12:30	3	0
11/22/94	16:30	3	0
11/22/94	18:30	1	0
11/22/94	18:30	3	0
11/22/94	20:30	1	0
11/22/94	20:30	2	0
11/22/94	22:30	1	0
11/22/94	14:30	2	0
11/22/94	22:30	3	0
11/22/94	12:30	2	0.1
11/22/94	20:30	3	0
11/22/94	00:05	3	0
11/22/94	16:30	1	0
11/22/94	12:30	1	0
11/22/94	00:05	2	0
11/22/94	02:00	1	0
11/22/94	02:00	2	0
11/22/94	02:00	3	0
11/22/94	04:00	1	0
11/22/94	04:00	2	0
11/22/94	06:00	1	0
11/22/94	06:00	2	0
11/22/94	06:00	3	0
11/22/94	10:30	1	0.2
11/22/94	10:30	3	0
11/22/94	00:05	1	0
11/22/94	10:30	2	-0.02
11/22/94	04:00	3	0
11/23/94	20:20	2	0
11/23/94	13:22	2	0
11/23/94	15:22	1	0
11/23/94	15:22	2	0
11/23/94	15:22	3	0
11/23/94	17:22	1	0
11/23/94	17:22	2	0
11/23/94	22:45	2	0

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

<b>Date Sampled</b>	<b>Time</b>	<b>Station #</b>	<b>Results ppm</b>
11/23/94	20:20	1	0
11/23/94	20:20	3	0
11/23/94	22:45	1	0
11/23/94	13:22	1	0
11/23/94	22:45	3	0
11/23/94	17:22	3	0
11/23/94	00:30	3	0
11/23/94	13:22	3	0
11/23/94	11:00	3	0
11/23/94	00:30	2	0
11/23/94	02:25	1	0
11/23/94	02:25	2	0
11/23/94	02:25	3	0
11/23/94	04:20	1	0
11/23/94	11:00	1	0
11/23/94	04:20	3	0
11/23/94	06:20	1	0
11/23/94	06:20	2	0
11/23/94	06:20	3	0
11/23/94	04:20	2	0
11/23/94	00:30	1	0
11/23/94	11:00	2	0
11/24/94	16:00	2	1.3
11/24/94	16:00	1	1.5
11/24/94	14:00	3	1.5
11/24/94	14:00	2	1.5
11/24/94	12:00	3	1.5
11/24/94	12:00	2	1.5
11/24/94	16:00	3	1.3
11/24/94	22:00	2	1.4
11/24/94	14:00	1	1.5
11/24/94	18:00	1	1.5
11/24/94	18:00	2	1.5
11/24/94	18:00	3	1.3
11/24/94	20:00	1	1.9
11/24/94	20:00	2	1.4
11/24/94	22:00	1	1.7
11/24/94	22:00	3	1.3
11/24/94	12:00	1	1.5
11/24/94	20:00	3	1.5
11/24/94	02:30	1	0

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
11/24/94	10:00	3	1.2
11/24/94	00:30	1	0
11/24/94	00:30	3	0
11/24/94	02:30	2	0
11/24/94	02:30	3	0
11/24/94	04:30	1	0
11/24/94	04:30	2	0
11/24/94	04:30	3	0
11/24/94	10:00	2	1.3
11/24/94	06:30	2	0
11/24/94	06:30	3	0
11/24/94	08:00	1	0
11/24/94	08:20	2	0
11/24/94	08:40	3	0
11/24/94	10:00	1	1.5
11/24/94	06:30	1	0
11/24/94	00:30	2	0
11/25/94	18:00	3	1.1
11/25/94	18:00	2	1.4
11/25/94	18:00	1	1
11/25/94	16:00	3	1.1
11/25/94	16:00	2	1.1
11/25/94	16:00	1	1.2
11/25/94	14:00	2	1.2
11/25/94	20:00	1	1.1
11/25/94	00:10	1	1.7
11/25/94	14:00	3	1.2
11/25/94	20:00	2	1.1
11/25/94	20:00	3	1.1
11/25/94	22:00	1	1.2
11/25/94	22:00	2	1.1
11/25/94	22:00	3	1.3
11/25/94	23:50	1	1.2
11/25/94	14:00	1	1.5
11/25/94	23:50	3	1.4
11/25/94	12:00	1	1.5
11/25/94	23:50	2	1.3
11/25/94	02:00	1	1.5
11/25/94	00:10	2	1.5
11/25/94	12:00	3	1.2
11/25/94	00:10	3	1.5

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

<b>Date Sampled</b>	<b>Time</b>	<b>Station #</b>	<b>Results ppm</b>
11/25/94	02:00	2	1.3
11/25/94	02:00	3	1.4
11/25/94	04:00	1	1.6
11/25/94	04:00	2	1.4
11/25/94	04:00	3	1.4
11/25/94	06:00	1	1.6
11/25/94	10:00	3	1.3
11/25/94	06:00	3	1.4
11/25/94	07:35	1	1.3
11/25/94	08:00	2	1.5
11/25/94	08:11	3	1.2
11/25/94	10:00	1	1.2
11/25/94	10:00	2	1.5
11/25/94	06:00	2	1.3
11/25/94	12:00	2	1.5
11/26/94	19:00	3	1.2
11/26/94	23:55	3	1.1
11/26/94	19:00	1	1
11/26/94	17:00	2	1
11/26/94	22:00	2	1
11/26/94	17:00	1	1.1
11/26/94	17:00	3	1.2
11/26/94	20:10	2	1.1
11/26/94	23:55	2	1.1
11/26/94	22:00	1	1.1
11/26/94	22:00	3	1
11/26/94	23:55	1	1
11/26/94	19:00	2	1.1
11/26/94	15:00	1	1.1
11/26/94	20:10	3	1.1
11/26/94	02:00	3	1.2
11/26/94	13:00	3	1.1
11/26/94	20:10	1	1.2
11/26/94	02:00	2	1.1
11/26/94	04:00	1	1.1
11/26/94	04:00	2	1
11/26/94	04:00	3	1
11/26/94	06:00	1	1.1
11/26/94	06:00	3	1.1
11/26/94	10:20	1	1.4
11/26/94	10:45	2	1

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.



**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
11/26/94	10:52	3	0.5
11/26/94	13:00	1	1.3
11/26/94	13:00	2	1.1
11/26/94	06:00	2	1
11/26/94	02:00	1	1.2
11/27/94	14:00	3	1
11/27/94	18:00	3	0.6
11/27/94	18:00	1	1
11/27/94	16:00	3	0.9
11/27/94	16:00	1	1
11/27/94	14:00	2	0.8
11/27/94	24:00	2	1
11/27/94	16:00	2	1
11/27/94	20:00	2	0.9
11/27/94	20:00	3	1
11/27/94	22:00	1	1
11/27/94	22:00	2	0.9
11/27/94	14:00	1	0.9
11/27/94	24:00	1	1.1
11/27/94	18:00	2	0.5
11/27/94	24:00	3	1
11/27/94	22:00	3	0.9
11/27/94	04:00	3	1.1
11/27/94	20:00	1	1
11/27/94	02:00	2	1
11/27/94	02:00	3	1
11/27/94	12:00	3	0.3
11/27/94	04:00	2	1.1
11/27/94	02:00	1	1.2
11/27/94	06:00	1	1.1
11/27/94	06:00	2	1
11/27/94	07:50	1	0
11/27/94	08:10	2	0
11/27/94	08:19	3	0
11/27/94	10:00	1	1.2
11/27/94	10:00	2	1
11/27/94	10:00	3	1
11/27/94	12:00	1	0.9
11/27/94	06:00	3	1
11/27/94	04:00	1	1.1
11/27/94	12:00	2	0.9

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
11/28/94	13:00	3	1.3
11/28/94	17:00	2	1.1
11/28/94	17:00	1	1.1
11/28/94	15:00	3	1
11/28/94	15:00	1	1.1
11/28/94	15:00	2	1.1
11/28/94	17:00	3	1.1
11/28/94	19:00	1	1
11/28/94	19:00	2	1
11/28/94	19:00	3	1
11/28/94	21:00	1	1
11/28/94	13:00	2	1.1
11/28/94	23:00	1	1.1
11/28/94	06:00	1	1.2
11/28/94	21:00	2	1
11/28/94	04:00	3	1
11/28/94	23:00	2	1
11/28/94	02:00	1	0.9
11/28/94	02:00	2	1
11/28/94	02:00	3	1
11/28/94	06:00	3	1
11/28/94	04:00	2	1
11/28/94	13:00	1	1
11/28/94	06:00	2	1
11/28/94	08:10	1	1.1
11/28/94	08:22	2	1.1
11/28/94	08:41	3	1.2
11/28/94	11:00	1	1.1
11/28/94	11:00	2	1.1
11/28/94	11:00	3	1.1
11/28/94	04:00	1	1
11/28/94	23:00	3	1
11/28/94	21:00	3	1
11/29/94	18:00	3	0.7
11/29/94	12:00	2	0.7
11/29/94	12:00	3	0.7
11/29/94	14:00	1	0.7
11/29/94	14:00	2	0.7
11/29/94	14:00	3	0.7
11/29/94	16:00	2	0.6
11/29/94	12:00	1	0.7

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
11/29/94	18:00	2	0.7
11/29/94	16:00	1	0.7
11/29/94	20:00	1	0.7
11/29/94	20:00	2	0.7
11/29/94	20:00	3	0.7
11/29/94	22:00	1	0.8
11/29/94	22:00	2	0.7
11/29/94	22:00	3	0.7
11/29/94	18:00	1	0.6
11/29/94	03:00	1	1
11/29/94	01:00	1	1.1
11/29/94	16:00	3	0.7
11/29/94	01:00	3	1
11/29/94	10:00	3	0.3
11/29/94	03:00	2	1
11/29/94	03:00	3	1
11/29/94	03:40	1	1.1
11/29/94	03:40	2	1.1
11/29/94	03:40	3	1.1
11/29/94	10:00	1	0.3
11/29/94	01:00	2	1
11/29/94	06:00	1	1
11/29/94	10:00	2	0.3
11/29/94	08:30	3	0.8
11/29/94	08:25	2	0.8
11/29/94	08:00	1	0.9
11/29/94	06:00	3	0.9
11/29/94	06:00	2	0.9
11/30/94	23:55	2	0.9
11/30/94	19:00	2	0.6
11/30/94	20:00	3	0.6
11/30/94	20:00	1	0.6
11/30/94	19:00	1	0.6
11/30/94	20:00	2	0.6
11/30/94	19:00	3	0.6
11/30/94	22:00	1	0.9
11/30/94	22:00	2	0.8
11/30/94	23:55	1	0.9
11/30/94	23:55	3	0.8
11/30/94	11:00	1	0.8
11/30/94	17:00	3	0.7

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
11/30/94	22:00	3	0.8
11/30/94	08:45	3	0.8
11/30/94	11:00	3	0.7
11/30/94	17:00	2	0.6
11/30/94	08:30	2	0.8
11/30/94	11:00	2	0.7
11/30/94	13:00	1	0.7
11/30/94	15:00	3	0.7
11/30/94	13:00	3	0.7
11/30/94	15:00	1	0.7
11/30/94	15:00	2	0.7
11/30/94	17:00	1	0.7
11/30/94	13:00	2	0.7
11/30/94	08:00	1	0.9
12/1/94	18:00	3	1
12/1/94	18:00	2	1
12/1/94	18:00	1	1
12/1/94	16:00	2	1
12/1/94	20:00	1	1
12/1/94	24:00	2	1.1
12/1/94	16:00	1	1
12/1/94	14:00	3	1
12/1/94	16:00	3	1
12/1/94	20:00	2	0.9
12/1/94	20:00	3	0.9
12/1/94	22:00	1	1.1
12/1/94	22:00	2	1.1
12/1/94	24:00	1	1.2
12/1/94	24:00	3	1.1
12/1/94	10:00	1	0.9
12/1/94	14:00	2	1
12/1/94	22:00	3	1.1
12/1/94	04:00	3	0.9
12/1/94	14:00	1	1
12/1/94	10:00	3	1
12/1/94	02:00	2	0.8
12/1/94	02:00	3	0.8
12/1/94	04:00	2	0.9
12/1/94	06:00	1	1.1
12/1/94	06:00	2	1.1
12/1/94	06:00	3	1.1

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
12/1/94	12:00	1	1
12/1/94	12:00	3	0.9
12/1/94	04:00	1	1
12/1/94	12:00	2	1
12/1/94	07:50	1	1
12/1/94	02:00	1	0.9
12/1/94	10:00	2	1
12/1/94	08:15	3	0.7
12/1/94	08:30	2	0.8
12/2/94	18:00	2	1.1
12/2/94	24:00	2	1.6
12/2/94	14:00	1	1.3
12/2/94	16:00	1	1.2
12/2/94	16:00	2	1.1
12/2/94	16:00	3	1.1
12/2/94	18:00	1	1.1
12/2/94	14:00	3	1.3
12/2/94	18:00	3	1.1
12/2/94	20:00	1	1.1
12/2/94	20:00	2	1.1
12/2/94	20:00	3	1.1
12/2/94	22:00	1	1.2
12/2/94	22:00	2	1.1
12/2/94	24:00	1	1.5
12/2/94	12:00	3	1.3
12/2/94	24:00	3	1.6
12/2/94	22:00	3	1.1
12/2/94	04:00	1	1.3
12/2/94	14:00	2	1.2
12/2/94	12:00	2	1.3
12/2/94	02:00	1	1.3
12/2/94	02:00	3	1.4
12/2/94	04:00	2	1.3
12/2/94	04:00	3	1.3
12/2/94	06:00	1	1.4
12/2/94	06:00	2	1.4
12/2/94	10:00	3	1.3
12/2/94	02:00	2	1.4
12/2/94	12:00	1	1.2
12/2/94	06:00	3	1.4
12/2/94	10:00	2	1.3

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

<b>Date Sampled</b>	<b>Time</b>	<b>Station #</b>	<b>Results ppm</b>
12/2/94	10:00	1	1.2
12/2/94	08:35	3	1.4
12/2/94	08:20	2	1.4
12/2/94	08:05	1	1.4
12/3/94	18:00	1	1.6
12/3/94	02:00	3	1.5
12/3/94	14:00	2	1.2
12/3/94	14:00	3	1.2
12/3/94	16:00	1	1.5
12/3/94	16:00	2	1.5
12/3/94	16:00	3	1.5
12/3/94	14:00	1	1.2
12/3/94	18:00	2	1.6
12/3/94	18:00	3	1.6
12/3/94	20:00	1	1.5
12/3/94	20:00	2	1.5
12/3/94	20:00	3	1.5
12/3/94	22:00	1	1.5
12/3/94	22:00	2	1.6
12/3/94	12:00	3	1.4
12/3/94	22:00	3	1.6
12/3/94	02:00	1	1.5
12/3/94	04:00	2	1.4
12/3/94	02:00	2	1.5
12/3/94	04:00	1	1.5
12/3/94	04:00	3	1.4
12/3/94	06:00	1	1.5
12/3/94	06:00	2	1.5
12/3/94	06:00	3	1.5
12/3/94	08:15	2	1.7
12/3/94	08:30	3	1.8
12/3/94	10:00	1	1.4
12/3/94	10:00	2	1.4
12/3/94	10:00	3	1.4
12/3/94	08:00	1	1.5
12/3/94	12:00	2	1.4
12/3/94	12:00	1	1.4
12/4/94	12:00	2	1.3
12/4/94	16:00	2	1.2
12/4/94	16:00	1	1.2
12/4/94	14:00	3	1.2

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
12/4/94	14:00	2	1.1
12/4/94	12:00	3	1.3
12/4/94	16:00	3	1.2
12/4/94	22:00	2	1.1
12/4/94	14:00	1	1.2
12/4/94	18:00	1	1.2
12/4/94	18:00	2	1.2
12/4/94	18:00	3	1.2
12/4/94	20:00	1	1.2
12/4/94	20:00	2	1.2
12/4/94	22:00	1	1.1
12/4/94	10:00	2	1.2
12/4/94	22:00	3	1.3
12/4/94	20:00	3	1.2
12/4/94	00:10	3	1.4
12/4/94	12:00	1	1.3
12/4/94	00:10	2	1.4
12/4/94	10:00	3	1.2
12/4/94	02:00	1	1.4
12/4/94	02:00	2	1.5
12/4/94	02:00	3	1.5
12/4/94	04:00	1	1.5
12/4/94	04:00	2	1.5
12/4/94	06:00	1	1.4
12/4/94	06:00	2	1.4
12/4/94	06:00	3	1.4
12/4/94	08:00	1	1.3
12/4/94	08:15	2	1.3
12/4/94	08:30	3	1.4
12/4/94	10:00	1	1.2
12/4/94	04:00	3	1.5
12/4/94	00:10	1	1.5
12/5/94	18:00	1	1.6
12/5/94	18:00	3	1.6
12/5/94	12:00	2	1.6
12/5/94	12:00	3	1.4
12/5/94	14:00	1	1.9
12/5/94	14:00	2	1.9
12/5/94	14:00	3	1.9
12/5/94	16:00	1	1.8
12/5/94	16:00	3	1.8

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

<b>Date Sampled</b>	<b>Time</b>	<b>Station #</b>	<b>Results ppm</b>
12/5/94	18:00	2	1.6
12/5/94	06:00	2	1.1
12/5/94	16:00	2	1.6
12/5/94	24:00	2	1
12/5/94	12:00	1	1.4
12/5/94	06:00	3	1.1
12/5/94	24:00	1	1.1
12/5/94	24:00	3	1.2
12/5/94	02:00	1	1
12/5/94	02:00	2	0.8
12/5/94	02:00	3	0.8
12/5/94	04:00	1	1.2
12/5/94	04:00	2	1.2
12/5/94	04:00	3	1.2
12/5/94	06:00	1	1.1
12/6/94	20:00	3	1.5
12/6/94	16:00	1	1.3
12/6/94	12:00	2	1.2
12/6/94	14:00	1	1.3
12/6/94	14:00	2	1.3
12/6/94	14:00	3	1.3
12/6/94	10:00	3	1.6
12/6/94	16:00	2	1.3
12/6/94	16:00	3	1.3
12/6/94	10:00	2	1.6
12/6/94	20:00	2	1.3
12/6/94	12:00	1	1.2
12/6/94	22:00	1	1.5
12/6/94	22:00	2	1.6
12/6/94	22:00	3	1.6
12/6/94	20:00	1	1.5
12/6/94	02:00	1	1.3
12/6/94	12:00	3	1.4
12/6/94	10:00	1	1.7
12/6/94	24:00	1	1.1
12/6/94	24:00	3	1.1
12/6/94	02:00	2	1.1
12/6/94	02:00	3	1.1
12/6/94	04:00	1	1.4
12/6/94	07:30	2	1.6
12/6/94	24:00	2	1.3

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.



**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
12/6/94	07:30	3	1.6
12/6/94	04:00	2	1.1
12/6/94	07:30	1	1.3
12/6/94	06:00	3	1.2
12/6/94	06:00	2	1.1
12/6/94	06:00	1	1.5
12/6/94	04:00	3	1.1
12/7/94	16:00	3	1.4
12/7/94	12:00	3	1.4
12/7/94	12:00	1	1.4
12/7/94	12:00	2	1.4
12/7/94	22:00	3	1.5
12/7/94	16:00	1	1.4
12/7/94	10:00	2	1.6
12/7/94	10:00	3	1.6
12/7/94	18:00	1	1.4
12/7/94	18:00	2	1.4
12/7/94	18:00	3	1.4
12/7/94	20:00	1	1.4
12/7/94	20:00	2	1.4
12/7/94	20:00	3	1.4
12/7/94	22:00	2	1.5
12/7/94	22:00	1	1.5
12/7/94	24:00	1	1.6
12/7/94	10:00	1	1.6
12/7/94	24:00	2	1.6
12/7/94	24:00	3	1.6
12/7/94	02:00	1	1.5
12/7/94	02:00	2	1.6
12/7/94	02:00	3	1.6
12/7/94	04:00	1	1.5
12/7/94	08:30	3	1.4
12/7/94	04:00	3	1
12/7/94	06:00	1	1.3
12/7/94	06:00	2	1.4
12/7/94	06:00	3	1.4
12/7/94	08:00	1	1.4
12/7/94	08:15	2	1.4
12/7/94	16:00	2	1.4
12/7/94	04:00	2	1
12/8/94	14:00	2	1.5

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
12/8/94	14:00	1	1.5
12/8/94	14:00	3	1.5
12/8/94	12:00	2	1.5
12/8/94	20:00	2	1.2
12/8/94	12:00	1	1.5
12/8/94	12:00	3	1.5
12/8/94	16:00	1	1.5
12/8/94	16:00	2	1.4
12/8/94	20:00	1	1.2
12/8/94	20:00	3	1.2
12/8/94	10:00	2	1.6
12/8/94	10:00	1	1.6
12/8/94	16:00	3	1.4
12/8/94	02:00	2	1.5
12/8/94	10:00	3	1.6
12/8/94	08:00	3	1.6
12/8/94	24:00	2	1.5
12/8/94	02:00	1	1.5
12/8/94	24:00	1	1.5
12/8/94	02:00	3	1.5
12/8/94	04:00	1	1.2
12/8/94	04:00	2	1.2
12/8/94	04:00	3	1.2
12/8/94	06:00	1	1.2
12/8/94	06:00	2	1.2
12/8/94	06:00	3	1.2
12/8/94	08:00	1	1.6
12/8/94	08:00	2	1.6
12/8/94	24:00	3	1.5
12/9/94	18:00	2	1.5
12/9/94	14:00	1	1.6
12/9/94	14:00	3	1.6
12/9/94	12:00	2	1.6
12/9/94	16:00	1	1.4
12/9/94	16:00	2	1.4
12/9/94	16:00	3	1.4
12/9/94	18:00	1	1.5
12/9/94	18:00	3	1.5
12/9/94	20:00	1	1.4
12/9/94	20:00	2	1.4
12/9/94	20:00	3	1.4

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
12/9/94	22:00	1	1.6
12/9/94	22:00	3	1.6
12/9/94	12:00	1	1.6
12/9/94	12:00	3	1.6
12/9/94	22:00	2	1.5
12/9/94	24:00	3	1.8
12/9/94	14:00	2	1.6
12/9/94	10:00	3	1.6
12/9/94	24:00	2	1.6
12/9/94	02:00	1	1.6
12/9/94	02:00	2	1.8
12/9/94	02:00	3	1.8
12/9/94	04:00	1	1.6
12/9/94	04:00	2	1.6
12/9/94	04:00	3	1.6
12/9/94	24:00	1	1.6
12/9/94	06:00	1	1.6
12/9/94	10:00	1	1.6
12/9/94	10:00	2	1.6
12/9/94	08:15	3	0.7
12/9/94	08:05	2	0.8
12/9/94	07:55	1	1.1
12/9/94	06:00	3	1.6
12/9/94	06:00	2	1.6
12/10/94	12:00	3	1.6
12/10/94	20:30	2	1.4
12/10/94	16:00	3	1.5
12/10/94	14:00	3	1.6
12/10/94	16:00	1	1.5
12/10/94	16:00	2	1.5
12/10/94	14:00	2	1.6
12/10/94	18:00	1	1.4
12/10/94	18:00	2	1.4
12/10/94	22:30	2	1.4
12/10/94	20:30	1	1.4
12/10/94	20:30	3	1.4
12/10/94	22:30	1	1.4
12/10/94	12:00	2	1.6
12/10/94	22:30	3	1.4
12/10/94	18:00	3	1.4
12/10/94	02:00	3	1.5

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

<b>Date Sampled</b>	<b>Time</b>	<b>Station #</b>	<b>Results ppm</b>
12/10/94	14:00	1	1.6
12/10/94	12:00	1	1.6
12/10/94	02:00	2	1.5
12/10/94	04:00	1	1.4
12/10/94	04:00	2	1.8
12/10/94	04:00	3	1.8
12/10/94	06:00	1	1.8
12/10/94	10:00	2	1.8
12/10/94	06:00	3	1.6
12/10/94	08:00	1	1.4
12/10/94	08:15	2	1.5
12/10/94	08:30	3	1.5
12/10/94	10:00	1	1.6
12/10/94	06:00	2	1.6
12/10/94	02:00	1	1.6
12/10/94	10:00	3	1.8
12/11/94	16:00	3	1.8
12/11/94	16:00	2	1.8
12/11/94	16:00	1	1.8
12/11/94	14:00	3	1.6
12/11/94	14:00	1	1.6
12/11/94	12:00	3	1.1
12/11/94	24:00	3	1.5
12/11/94	24:00	1	1.5
12/11/94	14:00	2	1.6
12/11/94	18:00	2	1.4
12/11/94	18:00	1	1.4
12/11/94	20:00	1	1.4
12/11/94	20:00	2	1.4
12/11/94	20:00	3	1.4
12/11/94	22:00	1	1.4
12/11/94	22:00	3	1.4
12/11/94	24:00	2	1.4
12/11/94	12:00	2	1.1
12/11/94	22:00	2	1.4
12/11/94	00:30	3	1.5
12/11/94	12:00	1	1.1
12/11/94	18:00	3	1.4
12/11/94	00:30	2	1.5
12/11/94	02:30	1	1.5
12/11/94	02:30	2	1.5

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
12/11/94	02:30	3	1.5
12/11/94	04:30	1	1.5
12/11/94	04:30	2	1.5
12/11/94	04:30	3	1.5
12/11/94	10:00	2	1.8
12/11/94	00:30	1	1.5
12/11/94	06:30	1	1.5
12/11/94	10:00	3	1.8
12/11/94	10:00	1	1.8
12/11/94	08:30	3	1.4
12/11/94	08:15	2	1.4
12/11/94	08:00	1	1.4
12/11/94	06:30	3	1.5
12/11/94	06:30	2	1.5
12/12/94	16:00	3	2
12/12/94	22:00	3	1.5
12/12/94	20:00	1	1.3
12/12/94	18:00	2	2
12/12/94	18:00	3	2
12/12/94	18:00	1	1.8
12/12/94	20:00	2	1.3
12/12/94	20:00	3	1.3
12/12/94	22:00	2	1.6
12/12/94	16:00	2	2
12/12/94	14:00	2	2
12/12/94	22:00	1	1.6
12/12/94	08:00	3	1.5
12/12/94	16:00	1	1.8
12/12/94	08:00	2	1.5
12/12/94	10:00	1	1.5
12/12/94	10:00	2	1.7
12/12/94	10:00	3	1.7
12/12/94	12:00	1	1.3
12/12/94	12:00	2	1.4
12/12/94	12:00	3	1.4
12/12/94	14:00	1	1.8
12/12/94	14:00	3	2
12/12/94	08:00	1	1.4
12/13/94	22:00	1	1.6
12/13/94	14:00	1	1.4
12/13/94	18:00	1	1.4

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
12/13/94	14:00	2	1.7
12/13/94	14:00	3	1.7
12/13/94	16:00	1	1.4
12/13/94	16:00	2	1.7
12/13/94	16:00	3	1.7
12/13/94	18:00	2	1.7
12/13/94	18:00	3	1.7
12/13/94	20:00	1	1.6
12/13/94	20:00	3	1.2
12/13/94	12:00	3	1.9
12/13/94	22:00	2	1.7
12/13/94	24:00	3	1.6
12/13/94	20:00	2	1.6
12/13/94	02:00	1	1.5
12/13/94	02:00	2	1.5
12/13/94	12:00	2	1.9
12/13/94	24:00	2	1.6
12/13/94	22:00	3	1.7
12/13/94	24:00	1	1.6
12/13/94	02:00	3	1.4
12/13/94	04:00	1	1.6
12/13/94	04:00	2	1.8
12/13/94	04:00	3	1.5
12/13/94	08:00	1	1.6
12/13/94	08:00	2	1.7
12/13/94	08:00	3	1.7
12/13/94	10:00	1	1.4
12/13/94	10:00	2	1.7
12/13/94	10:00	3	1.8
12/13/94	12:00	1	1.8
12/14/94	18:00	1	1.3
12/14/94	14:00	2	1.5
12/14/94	14:00	3	1.5
12/14/94	16:00	1	1.4
12/14/94	16:00	2	1.4
12/14/94	16:00	3	1.5
12/14/94	14:00	1	1.4
12/14/94	18:00	2	1.4
12/14/94	18:00	3	1.4
12/14/94	20:00	1	1.4
12/14/94	20:00	2	1.5

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

Date Sampled	Time	Station #	Results ppm
12/14/94	20:00	3	1.4
12/14/94	22:00	1	1.6
12/14/94	22:00	2	1.4
12/14/94	12:00	3	1.5
12/14/94	22:00	3	1.6
12/14/94	02:00	3	1.6
12/14/94	12:00	2	1.4
12/14/94	24:00	2	1.4
12/14/94	24:00	3	1.8
12/14/94	02:00	2	1.6
12/14/94	24:00	1	1.4
12/14/94	04:00	1	1.5
12/14/94	04:00	2	1.2
12/14/94	04:00	3	1.6
12/14/94	08:00	1	1.3
12/14/94	08:00	2	1.4
12/14/94	08:00	3	1.4
12/14/94	10:00	1	1.4
12/14/94	10:00	2	1.4
12/14/94	10:00	3	1.5
12/14/94	12:00	1	1.4
12/14/94	02:00	1	1.5
12/15/94	18:00	2	1.4
12/15/94	16:00	1	1.4
12/15/94	16:00	2	1.7
12/15/94	16:00	3	1.7
12/15/94	18:00	1	1.4
12/15/94	18:00	3	1.4
12/15/94	20:00	1	1.4
12/15/94	20:00	2	1.5
12/15/94	20:00	3	1.4
12/15/94	22:00	1	1.6
12/15/94	22:00	3	1.4
12/15/94	12:00	1	1.4
12/15/94	22:00	2	1.5
12/15/94	24:00	3	1.6
12/15/94	12:00	3	1.6
12/15/94	12:00	2	1.6
12/15/94	24:00	2	1.6
12/15/94	02:00	1	1.2
12/15/94	02:00	2	1.5

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.

**Appendix C**  
**Table 4**  
**U.S. Army Corps of Engineers Omaha District**  
**Seneca Army Depot, Romulus, New York**  
**Direct Read VOC Monitoring Data**

<b>Date Sampled</b>	<b>Time</b>	<b>Station #</b>	<b>Results ppm</b>
12/15/94	02:00	3	1.4
12/15/94	08:00	1	1.6
12/15/94	08:00	2	1.9
12/15/94	08:00	3	1.9
12/15/94	10:00	1	1.4
12/15/94	10:00	2	1.9
12/15/94	10:00	3	1.9
12/15/94	24:00	1	1.2
12/16/94	08:20	1	1.4
12/16/94	12:20	3	1.6
12/16/94	16:00	2	1.6
12/16/94	16:00	1	1.4
12/16/94	14:00	3	1.6
12/16/94	14:00	2	1.6
12/16/94	14:00	1	1.4
12/16/94	12:20	2	1.6
12/16/94	12:20	1	1.4
12/16/94	10:00	3	1.6
12/16/94	10:00	2	1.6
12/16/94	10:00	1	1.4
12/16/94	08:20	2	1.5
12/16/94	16:00	3	1.6
12/16/94	08:20	3	1.5

Note: Background VOC levels typically ranged from 0.9 to 1.2 ppm daily.



Quanterra Incorporated  
5815 Middlebrook Pike  
Knoxville, Tennessee 37921

615 588-6401 Telephone  
615 584-4315 Fax

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DEC - 1 1994

ROCHESTER  
EES

November 30, 1994

IT Engineering Services  
140 Allens Creek Road  
Suite 150  
Rochester, NY 14618  
Attn: Jeff Korb

Job Number: 2000

P.O. Number: 162800

This is the Certificate of Analysis for the following samples:

Client Project ID:	SEDA-519200
Date Received by Lab:	November 14, 1994
Number of Samples:	Ten (10)
Sample Type:	Air

## **I. Introduction**

On November 14, 1994, ten (10) air samples arrived at Quanterra Environmental Services, Knoxville, Tennessee, from IT Engineering Services, Rochester, New York. The list of analytical tests performed, as well as date of receipt and analysis, can be found in the attached report.

## **II. Analytical Results/Methodology**

The analytical results for this report are presented by analytical test. Each set of data will include sample identification information and the analytical results.

The samples were analyzed for lead based on method CFR43-46258/61A.

Reviewed and Approved:



Kenneth Mueller  
Project Manager

IT Engineering Services  
November 30, 1994



Client Project ID: SEDA-519200

Job Number: 2000

### **III. Quality Control**

Routine laboratory level I QC was followed.

### **IV. Comments**

The filters used for the gravimetric analysis were intended for lead sampling and were not weighed prior to shipment, therefore, the total suspended particulate (TSP) analysis could not be performed.

Client Project ID: SEDA-519200

Job Number: 2000

**LEAD ANALYSIS**

Client Sample ID	Lab Sample ID	Conc. (mg/l)	Volume (ml)	Total µg	Air Volume (cubic m)	ug/m3
SEDA-110694-1TSP-6277467	AC8868	<0.06	100	<72.00	4893.40	<0.0147
SEDA-110694-2TSP-6277464	AC8869	<0.06	100	<72.00	6587.68	<0.0109
SEDA-110694-3TSP-6277466	AC8870	<0.06	100	<72.00	5726.67	<0.0126
SEDA-110794-1TSP-6277469	AC8871	<0.06	100	<72.00	4589.81	<0.0157
SEDA-110794-2TSP-6277471	AC8872	<0.06	100	<72.00	6283.80	<0.0115
SEDA-110794-3TSP-6277473	AC8873	<0.06	100	<72.00	4956.52	<0.0145
SEDA-110994-1TSP-6277433	AC8874	<0.06	100	<72.00	4099.15	<0.0176
SEDA-110994-2TSP-6277431	AC8875	<0.06	100	<72.00	6458.75	<0.0111
SEDA-110894-1TSP-6277475	AC8876	<0.06	100	<72.00	4700.80	<0.0153
SEDA-110894-2TSP-6277477	AC8877	<0.06	100	<72.00	6254.85	<0.0115
Method Blank	PBF1116A	<0.06	100	<6.00	-	-
LCS	LCSF1116A	4.80	100	480	-	-
LCSFD	LCSFD1116A	4.95	100	495	-	-

RATIONAL  
HNOLOGY  
PORATION



COC NO.

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

WOF 2000

Reference Document N  
Page 1 of 2

Name/No. 1 SEDA-519200

Members 2 DMH, MS

Center No. 3 5513001

Manager 4 Douglas Wehner

Order No. 5 162800

Report Date 11 11/18/94

Samples Shipment Date 7 11/11/94

Lab Destination 8 Quawarts - Middlebrook

Lab Contact 9 Ken Mueller

Project Contact/Phone 12 S. Korb (716) 271-6438

Carrier/Waybill No. 13 FedEx - 2179466376

Bill to: 5 IT Corp.

P.O. Box 285  
Rochester, NY  
14541-0285

Report to: 10 IT Corp Suite 15  
140 Allens Creek Rd  
Rochester, NY 14  
Attn: J. Korb

## ONE CONTAINER PER LINE

14	15 Sample Description/Type	16 Date/Time Collected	17 Container Type	18 Sample Volume	19 Pre- servative	20 Requested Testing Program	21 Condition on Receipt	22
99467	TSP Gravimetric/Lead	11/06/94 24hr	Filter	4893.4	None	Gravimetric/Lead	Rec'd @ Ambient Temp	
77463	PM10 Gravimetric			1742.85		Gravimetric	W/ Custody Spk. Ent. Test	
4468	PM10 Gravimetric			1682.16		Gravimetric	BPB 11/11/94	
77464	TSP Gravimetric/Lead			6587.68		Gravimetric/Lead		
4465	PM10 Gravimetric			1512.84		Gravimetric		
77466	TSP Gravimetric/Lead			5726.67		Gravimetric/Lead		

Instructions: 23 Do not Analyze SEDA-110894-3TSP-6277479

azard Identification: 24

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25

Return to Client:

Disposal by Lab:  Archive:

Time Required: 26

Rush

QC Level: 27

I.  II.  III.

Project Specific (specify):

As Per Work Plan

ed by 28

Date: 11/10/94

Time: 15:00

1. Received by 28

(Signature/Affiliation)

Date: 11/

ed by

Date: -

Time: -

2. Received by

(Signature/Affiliation)

Date: -

Time: -

ed by

Date: -

Time: -

3. Received by

(Signature/Affiliation)

Date: -

Time: -

COC No. 2272

WO# 2000

**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD (cont.)\***

Reference Document No. 30  
Page 2 of 2

SEDA - Phase II

Project No. 579200

Samples Shipment Date 11/11/94

**ONE CONTAINER PER LINE**

	Sample 15 Description/Type	Date/Time 16 Collected	Container 17 Type	Sample 18 Volume	Pre-19 servative	Requested Testing 20 Program	Condition on 21 Receipt	Dis Recd
439	TSP Gravimetric/LEAD PM10	11/07/94 24hr	Filter	1589.81	NONE	Gravimetric/LEAD	Rec'd @ Ambient by BFB w/ log	
470	TSP Gravimetric	11/09/94 24hr	Filter	1618.96		Gravimetric		USE FOR LAB
471	TSP Gravimetric/LEAD PM10		Filter	628.38		Gravimetric/LEAD		
472	TSP Gravimetric		Filter	1457.78		Gravimetric		
473	TSP Gravimetric/LEAD PM10		Filter	4956.62		Gravimetric/LEAD		
474	TSP Gravimetric	11/08/94 24hr		1787.31		Gravimetric		USE FOR LAB
479	PM10 Gravimetric			1449.9		Gravimetric		
483	TSP Gravimetric/Lead PM10			4099.15		Gravimetric/Lead		
482	TSP Gravimetric	11/08/94 24hr		1308.37		Gravimetric		USE FOR LAB
481	TSP Gravimetric/Lead PM10			6458.25		Gravimetric/Lead		
487	TSP Gravimetric			1728.1		Gravimetric		
485	TSP Gravimetric/Lead PM10			4702.8		Gravimetric/Lead		
486	TSP Gravimetric			1653.8		Gravimetric		USE FOR LAB
487	TSP Gravimetric/Lead PM10			6254.85		Gravimetric/Lead		
488	TSP Gravimetric			1471.27		Gravimetric		USE FOR LAB
489	TSP Gravimetric/Lead PM10			—		Do Not Analyze		
480	TSP Gravimetric			1441.9		Gravimetric		
			▽		▽			



Quanterra Incorporated  
5815 Middlebrook Pike  
Knoxville, Tennessee 37921

615 588-6401 Telephone  
615 584-4315 Fax

IT Engineering Services  
140 Allens Creek Road  
Suite 150  
Rochester, NY 14618  
Attn: Jeff Korb

RECEIVED

December 15, 1994

DEC 16 1994

ROCHESTER  
EES

Job Number: 2125

P.O. Number: 162800

This is the Certificate of Analysis for the following samples:

Client Project ID:	SEDA-519200
Date Received by Lab:	November 23, 1994
Number of Samples:	Nineteen (19)
Sample Type:	Air

## I. Introduction

On November 23, 1994, nineteen (19) air samples arrived at Quanterra Environmental Services, Knoxville, Tennessee, from IT Engineering Services, Rochester, New York. The list of analytical tests performed, as well as date of receipt and analysis, can be found in the attached report.

## II. Analytical Results/Methodology

The analytical results for this report are presented by analytical test. Each set of data will include sample identification information and the analytical results.

The samples were analyzed for lead based on method CFR43-46258/61A.

The samples were analyzed for total suspended particulate based on method PM-10

Reviewed and Approved:

Kenneth Mueller  
Project Manager

IT Engineering Services  
December 15, 1994



Client Project ID: SEDA-519200

Job Number: 2125

### **III. Quality Control**

Routine laboratory level I QC was followed.

Client Project ID: SEDA-519200

Job Number: 2125

**LEAD ANALYSIS**

Client Sample ID	Lab Sample ID	Total µg	Air Volume (cubic m)	µg/m3	Detection Limit µg/m3
Method Blank	PBF1130C	ND	0.0	0.00	72.00
LCSF	LCSF1130C	471	0.0	0.00	72.00
LCSFD	LCSFD1130C	489	0.0	0.00	72.00
SEDA-111094-1TSP-6277422	AD0723	ND	4401.8	<0.016	0.016
SEDA-111094-2TSP-6277424	AD0728	ND	6395.0	<0.011	0.011
SEDA-111994-2TSP-6277419	AD0731	ND	5854.4	<0.012	0.012
SEDA-111194-1TSP-6277417	AD0736	ND	4632.8	<0.016	0.016
SEDA-111294-1TSP-6277411	AD0737	ND	4445.5	<0.016	0.016
SEDA-111294-2TSP-6277413	AD0738	ND	5850.9	<0.012	0.012
SEDA-111394-2TSP-6277408	AD0739	ND	2143.5	<0.034	0.034



Client Project ID: SEDA-519200

Job Number: 2125

**LEAD ANALYSIS**

Client Sample ID	Lab Sample ID	Total µg	Air Volume (cubic m)	µg/m <sup>3</sup>	Detection Limit µg/m <sup>3</sup>
Method Blank	PBF1201A	ND	0.0	0.00	72.00 µg
LCSF	LCSF1201A	5.44	0.0	0.00	72.00 µg
LCSFD	LCSFD1201A	4.54	0.0	0.00	72.00
SEDA-111394-1TSP-6277410	AD0740	ND	1458.5	<0.049	0.049
SEDA-111694-2PMA-A287215	AD0742	ND	1851.0	<0.039	0.039
SEDA-111694-2TSP-A287217	AD0743	ND	6009.6	<0.012	0.012
SEDA-111694-1TSP-A287219	AD0744	ND	4596.6	<0.016	0.016
SEDA-112094-BASE-A287225	AD0745	ND	0.0	0.0	72.00 µg
SEDA-111794-1TSP-287224	AD0748	ND	4439.1	<0.016	0.016
SEDA-111794-2TSP-287222	AD0750	ND	6065.1	<0.012	0.012

Client Project ID: SEDA-519200

Job Number: 2125

**TOTAL PARTICULATE ANALYSIS**

<b>Client Sample ID</b>	<b>Lab Sample ID</b>	<b>Particulate <math>\mu\text{g}/\text{m}^3</math></b>
SEDA-111694-3PM10A-A287214	AD0705	12.07
SEDA-111694-1PMA-A287218	AD0706	25.10
SEDA-111794-1PM10A-287223	AD0707	95.33
SEDA-111794-2PM10A-287221	AD0708	11.11
SEDA-111794-3PM10A-287220	AD0709	< 0.11
SEDA-112094-BASE-A287225	AD0748	< 200 $\mu\text{g}$

Client Project ID: SEDA-519200

Job Number: 2125

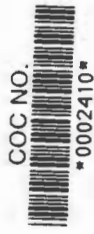
**Total Particulate Quality Assurance Data**

**ACCURACY**

REFERENCE STANDARDS, g	ACTUAL VALUE, g
1.0000	0.9995
2.0000	1.9995
5.0000	4.9998

**Precision**

CLIENT SAMPLE ID	SAMPLE WEIGHT, g	CHECK WEIGHT, g	DIFFERENCE, mg
SEDA-111694-3PM10A-A287214	4.2349	4.2344	-0.5000



COC NO.

**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD\***

W0#2125

Reference Document N  
Page 1 of 1

Name/No. 1 SEDA - 519200 Samples Shipment Date 7 11/23/94 Bill to: 5 IT COOP  
 Members 2 DKH, MCS Lab Destination 8 Quantara - Middlebrooke P.O. Box 2525  
 Member No. 3 5513001 Lab Contact 9 Ken Mueller Rumulas, NY 14  
 Contact Manager 4 Douglas Wehner Project Contact/Phone 12 J. Krebs (716) 271-6430 Report to: 10 IT COOP Suite  
 Order No. 6 162800 Carrier/Waybill No. 13 FedEx 3147126422 170 Alacans Center  
 Report Date 11 5 day TAT Rochester, NY 1461

**ONE CONTAINER PER LINE**

14	15	16	17	18	19	20	21
Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	
PM10	11-16-94	Filter	1798.49	None	Gravimetric	Rec'd at ambient temperature with	
Gravimetric/Lead	11-16-94		1851		Gravimetric/Lead	custody seal intact KKK	
TSP	11-16-94		6009.6		Gravimetric/Lead	11-23-94	
PM10	11-16-94		1821.07		Gravimetric		
Gravimetric	11-16-94		4596.58		Gravimetric/Lead		
TSP	11-20-94		0		Gravimetric/Lead		
Gravimetric Lead							

Instructions: 23 Baseline Lead analysis on Filter Pad # A287225 - See Ken Mueller

Hazard Identification: 24  
 Flammable  Skin Irritant  Poison B  Unknown  Disposal by Lab  Archive  *See*

Time Required: 26  
 Rush  GC Level: 27  
 I  II  III  Project Specific (specify): As per work plan

Received by 28  
 Don Hurry for ITC Date: 11/22/94  
 Signature: *Don Hurry for ITC*  
 Received by 28  
 Kerry A. Brown, Quantara Date: 11-22-94  
 Signature: *Kerry A. Brown*  
 Received by 28  
 Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Received by 28  
 Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_

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CORPORATION



**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD \***

Reference Document I  
Page 1 of 1

#2125

Order No. <sup>1</sup> SEDA-519200      Samples Shipment Date <sup>7</sup> 11/22/94      Bill to: <sup>5</sup> IT Corp.  
 Members <sup>2</sup> DKH, EW      Lab Destination <sup>8</sup> Quanteria-Middlebrook      P.O. Box 285  
 Center No. <sup>3</sup> 5513001      Lab Contact <sup>9</sup> Ken Mueller      Romulus, NY 148  
 Account Manager <sup>4</sup> Douglas Wehner      Project Contact/Phone <sup>12</sup> J. Korb (716)271-6430      Report to: <sup>10</sup> IT Corp Suite  
 Order No. <sup>6</sup> 162800      Carrier/Waybill No. <sup>13</sup> Fedex 3147126422      140 Allens Creek Rd  
 Report Date <sup>11</sup> 5 day TAT      Rochester, NY 146  
 Attn: J. Korb

**ONE CONTAINER PER LINE**

<sup>14</sup>	<sup>15</sup> Sample Description/Type	<sup>16</sup> Date/Time Collected	<sup>17</sup> Container Type	<sup>18</sup> Sample Volume	<sup>19</sup> Preservative	<sup>20</sup> Requested Testing Program	<sup>21</sup> Condition on Receipt
2224	TSP Gravimetric/Lead	11/17/94 24hrs.	Filter	4439.1	None	Gravimetric/Lead	Rec'd at ambient temperature with custody seal intact. <i>KWK</i>
44	TSP Gravimetric/Lead			6065.06		Gravimetric/Lead	11-23-94
7222	PM10 Gravimetric			1723.57		Gravimetric	
7223	PM10 Gravimetric			1836.25		Gravimetric	
7221	PM10 Gravimetric			1463.74		Gravimetric	
7220	Gravimetric						

Instructions: <sup>23</sup> see Ref Doc # 377411 for base lead for TSPs

Hazard Identification: <sup>24</sup>  Flammable  Skin Irritant  Poison B  Unknown   Disposal by Lab  Archive of <sup>24</sup>

Lead Time Required: <sup>26</sup> Rush  GC Level: <sup>27</sup> I.  II.  III.  Project Specific (specify): As per work plan

Received by <sup>28</sup> Don Harrington ITC      Date: 11/22/94      Time: 13:00  
 Received by <sup>28</sup> Keny C. Flynn, Quanteria      Date:      Time:   
 Received by <sup>28</sup>      Date:      Time:   
 Received by <sup>28</sup>      Date:      Time:

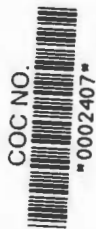
**ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD \***

Name/No. 1 SEDA - 519200 Samples Shipment Date 7 11/22/94 Bill to: IT Corp  
 Members 2 DM, MCS Lab Destination 8 Quantec - Middlebrook P.O. Box 285  
 Center No. 3 5513001 Lab Contact 9 Ken Miller Rumulus, NY 14541  
 Project Contact/Phone 12 J. Koep (716) 271-6432 Report to: IT Corp Suite 150  
 Order No. 6 162900 Carrier/Waybill No. 13 Felix 319716422 Dexter Ave, NY 14619  
 Report Date 11 5 day TAT ARTHUR J. Koep

**ONE CONTAINER PER LINE**

14	15	16	17	18	19	20	21
Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-19 servative	Requested Testing Program	Condition on Receipt	
PM10	11-13-94	Filter	700.3	None	Carbimetric / <del>PM10</del>	Rec'd at ambient temperature with custody seals intact	
Carbimetric / <del>PM10</del>	11-13-94		2143.54		Carbimetric / LEAD	KAC 11-23-94	
PM10	11-13-94		549.26		Carbimetric		
Carbimetric / <del>PM10</del>	11-13-94		1458.45		Carbimetric / LEAD	↓	

Instructions: 23 62774XX Filter Pads were used for PM10s - see Ken Miller  
 Hazard Identification: 24 Flammable  Skin Irritant  Poison B  Unknown   Disposal by Lab  Archive   
 Sample Disposal: 25 Return to Client  
 QC Level: 27 I II III    Project Specific (specify): As Per Work Plan  
 Rush  Date: 11/22/94 Received by 28 Kenny G. Bluman Date: 11-22-94  
 Time: 13:00 (Signature/Affiliation) Time: Quantec Time: 09  
 Date: - Received by 29 - Date: -  
 Time: - (Signature/Affiliation) Time: -  
 Date: - Received by 30 - Date: -  
 Time: - (Signature/Affiliation) Time: -



**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD \***

NO# 2125  
Reference Document,  
Page 1 of 1

Name/No. 1 SEDA - 519200 Bill to: 5 IT Corp.  
 Members 2 DKH, MCS P.O. Box 285  
 Center No. 3 5513001 Ramulus, NY  
 14541-0255  
 Project Manager 4 B Douglas Wehner IT Corp Suite  
 140 Allen's Cross  
 Order No. 6 162800 Ramulus, NY 146  
 Report Date 11 5 day TAT ATTN: J. Koeb  
 Samples Shipment Date 7 11/22/94  
 Lab Destination 8 QUANTERA - Middlebrook  
 Lab Contact 9 Ken Mueller  
 Project Contact/Phone 12 J. Koeb (716) 271-6430 Report to: 10  
 Carrier/Waybill No. 13 Fedex 319 7126472

**ONE CONTAINER PER LINE**

14 Container No.	15 Sample Description/Type	16 Date/Time Collected	17 Container Type	18 Sample Volume	19 Preservative	20 Requested Testing Program	21 Condition on Receipt
77422	TSP GRAVIMETRIC / LEAD	11-10-94 24 hr	Filter	4401.75	NONE	GRAVIMETRIC / LEAD	Rec'd at ambient
77423	PM10 GRAVIMETRIC			1695.7		GRAVIMETRIC	Temperature with custody seals
77424	TSP GRAVIMETRIC / LEAD			6395.0		GRAVIMETRIC / LEAD	contact KJK
77425	PM10 GRAVIMETRIC			1418.65		GRAVIMETRIC	11-23-94
77426	PM10 GRAVIMETRIC			1716.47		GRAVIMETRIC	
77427	PM10 GRAVIMETRIC	11-11-94 24 hr		1719.03		GRAVIMETRIC	
77419	TSP GRAVIMETRIC / LEAD			5854.44		GRAVIMETRIC / LEAD	
77417	TSP GRAVIMETRIC / LEAD			4632.78		GRAVIMETRIC / LEAD	

Instructions: 23 62774XX Filter pads used for PM10s may not be valid - Discuss with Ken  
 Hazard Identification: 24  
 Flammable  Skin Irritant  Poison B  Unknown  Disposal by Lab  Archive per

QC Level: 27  
 I.  II.  III.   
 Project Specific (Specify): AS per work plan  
 Sample Disposal: 25  
 Return to Client:  Disposal by Lab:

1. Received by 28  
 (Signature/Affiliation) Karyn A. Hanna Quantera Date: 11-  
 Time: 13:00  
 2. Received by  
 (Signature/Affiliation) Date: Time:  
 3. Received by  
 (Signature/Affiliation) Date: Time:



**ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD \***

Reference Document  
Page 1 of 1

WO# 2125

Name/No. 1 SEDA - 519200  
 Bill to: 5 IT COOP  
 P.O. BOX 285  
 Romulus, NY 145  
 Members 2 DKH, mcs  
 Lab Destination 8 Quantara - Midh. Service  
 Center No. 3 5513001  
 Lab Contact 9 Ken Mueller  
 Project Manager 4 Douglas Weber  
 Project Contact/Phone 12 J. Koeb (716) 271-6430  
 Report to: 10 IT COOP Suite 150  
 140 Allens Creek  
 Rochester, NY 146  
 Order No. 6 162800  
 Carrier/Waybill No. 13 FedEx 39726422  
 Report Date 11 5 day TAT  
 ATTN: J. Koeb

**ONE CONTAINER PER LINE**

14	15	16	17	18	19	20	21
Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	Condition on Receipt	
PM10	11-11-94	Filter	1760.54	NONE	GRAVIMETRIC	Rec'd at ambient	
GRAVIMETRIC	11-11-94		1364.59		GRAVIMETRIC	Temperature with	
PM10	11-12-94		1650.1		GRAVIMETRIC	custody seals	
GRAVIMETRIC	11-12-94		1761.21		GRAVIMETRIC	intact KMC	
PM10	11-12-94		4445.48		GRAVIMETRIC / LEAD	12394	
TSP	11-12-94		5850.89		GRAVIMETRIC / LEAD		
GRAVIMETRIC / LEAD	11-12-94		1958.84		GRAVIMETRIC		
PM10	11-12-94		700.61		GRAVIMETRIC		
GRAVIMETRIC	11-13-94						

Instructions: 23 62774XX Filters used for PM10s - See Ken Mueller  
 Hazard Identification: 24  
 Flammable  Skin Irritant  Poison B  Unknown  Disposal by Lab  Archive   
 Sample Disposal: 25  
 Return to Client  Project Specific (specify): As per work PM10  
 GC Level: 27  
 I:  II:  III:   
 1. Received by 28  
 (Signature/Affiliation) Ken Huntington Date: 11-22-94 Time: 13:00  
 2. Received by  
 (Signature/Affiliation) Date: Time:  
 3. Received by  
 (Signature/Affiliation) Date: Time:





Quanterra Incorporated  
5815 Middlebrook Pike  
Knoxville, Tennessee 37921

615 588-6401 Telephone  
615 584-4315 Fax

RECEIVED

DEC 13 1994

ROCHESTER  
EES

December 12, 1994

IT Engineering Services  
140 Allens Creek Road  
Suite 150  
Rochester, NY 14618  
Attn: Jeff Korb

Job Number: 2146

P.O. Number: 162800

This is the Certificate of Analysis for the following samples:

Client Project ID:	SEDA-519200
Date Received by Lab:	November 28, 1994
Number of Samples:	Twenty-six (26)
Sample Type:	Air

## **I. Introduction**

On November 28, 1994, twenty-six (26) air samples arrived at Quanterra Environmental Services, Knoxville, Tennessee, from IT Engineering Services, Rochester, New York. The list of analytical tests performed, as well as date of receipt and analysis, can be found in the attached report.

## **II. Analytical Results/Methodology**

The analytical results for this report are presented by analytical test. Each set of data will include sample identification information and the analytical results.

The samples were analyzed for lead based on method CFR43-46258/61A.

The samples were analyzed for total suspended particulate based on method PM-10

Reviewed and Approved:

Kenneth Mueller  
Project Manager

IT Engineering Services  
December 12, 1994



Client Project ID: SEDA-519200

Job Number: 2146

### **III. Quality Control**

Routine laboratory level I QC was followed.

Client Project ID: SEDA-519200

Job Number: 2146

**LEAD ANALYSIS**

Client Sample ID	Lab Sample ID	Total µg	Air Volume	% Rec.	µg/m3	Detection Limit µg/m3
Method Blank	PBF1130B	ND	-	-	-	72.00 (µg)
LCSF	LCSF1130B	5256.00	-	87.6	-	72.00 (µg)
LCSFD	LCSFD1130B	5436.00	-	90.6	-	72.00
SEDA-111894-1TSP-6201332	AD0946	ND	4240.2	-	<0.017	0.017
SEDA-111894-2TSP-6201334	AD0947	ND	6183.1	-	<0.012	0.012
SEDA-111894-3TSP-621333	AD0948	ND	3885.6	-	<0.019	0.019
SEDA-111994-1TSP-6201331	AD0955	ND	4431.1	-	<0.016	0.016
SEDA-111994-2TSP-6201330	AD0956	ND	5993.9	-	<0.012	0.012
SEDA-111994-3TSP-6201329	AD0958	ND	3675.9	-	<0.020	0.020
SEDA-112094-1TSP-6201326	AD0963	ND	4523.3	-	<0.016	0.016
SEDA-112094-2TSP-6201327	AD0964	ND	5885.6	-	<0.012	0.012
SEDA-112094-3TSP-6201328	AD0965	ND	4287.0	-	<0.017	0.017
SEDA-112194-1TSP-6201323	AD0971	ND	4507.7	-	<0.016	0.016
SEDA-112194-2TSP-6201324	AD0972	ND	6147.4	-	<0.012	0.012
SEDA-112194-6201325	AD0973	ND	3882.6	-	<0.019	0.19

Client Project ID: SEDA-519200

Job Number: 2146

**PARTICULATE ANALYSIS**

<b>Client Sample ID</b>	<b>Lab Sample ID</b>	<b>Particulate <math>\mu\text{g}/\text{m}^3</math></b>
SEDA-111994-3PM10A-A287216	AD0962	35.84
SEDA-111894-3PM10A-A287028	AD0954	17.55
SEDA-111894-2PM10A-A287029	AD0952	29.01
SEDA-111894-1PM10A-A287030	AD0949	16.18
SEDA-111994-2PM10A-A287031	AD0961	50.29
SEDA-111994-1PM10A-A287032	AD0960	12.45
SEDA-112094-3PM10A-A287033	AD0968	8.37
SEDA-112094-2PM10A-A287034	AD0967	9.63
SEDA-112094-1PM10A-A287035	AD0966	147.28
SEDA-112194-3PM10A-A287036	AD0976	18.22
SEDA-112194-2PM10B-A287037	AD0975	14.32
SEDA-112194-1PM10A-A287038	AD0974	56.76

Client Project ID: SEDA-519200

Job Number: 2146

**Total Particulate Quality Assurance Data**

**ACCURACY**

REFERENCE STANDARDS, g	ACTUAL VALUE, g
1.0000	0.9995
2.0000	1.9995
5.0000	4.9998

**Precision**

CLIENT SAMPLE ID	SAMPLE WEIGHT, g	CHECK WEIGHT, g	DIFFERENCE, mg
SEDA-112194-1PM10A-A287038	4.4998	4.5000	0.2000

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**ANALYSIS REPORT EST AND W<sup>0</sup> \* 7383**  
**CHAIN OF CUSTODY RECORD \* 2116**

Reference Document N  
Page 1 of 1

Sample Name/No. <sup>1</sup> SEDA-519200  
 Members <sup>2</sup> DKH, nics, EW  
 Member No. <sup>3</sup> 5513001  
 Manager <sup>4</sup> Douglas Wehner  
 Order No. <sup>6</sup> 162800  
 Report Date <sup>11</sup> 5 day TAT  
 Samples Shipment Date <sup>7</sup> 11/22/94  
 Lab Destination <sup>8</sup> Quanteria - Middlebrook  
 Lab Contact <sup>9</sup> Ken Mueller  
 Project Contact/Phone <sup>12</sup> J. Korb (716) 271-6430 Report to: <sup>10</sup> I T Corp Suite 150  
 Carrier/Waybill No. <sup>13</sup> Feder 3197207720H  
 2139 466402  
 140 Albans Creek Rd  
 Rochester, NY 14618  
 Attn: J. Korb  
 Bill to: <sup>5</sup> I T Corp.  
 PO Box 285  
 Romulus, NY  
 14541-0285

**ONE CONTAINER PER LINE**

4	15	16	17	18	19	20	21
	Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt
4	TSP	11/18/94 24hr.	Filter	4240.24	None	Gravimetric/Lead	
32	Gravimetric/Lead			6183.04		Gravimetric/Lead	
34	TSP	11/18/94 24hr.		3835.60 (DN) 5040.2		Gravimetric/Lead	
333	TSP					Gravimetric/Lead	
4	PM10			1829.09		Gravimetric	
1030	Gravimetric					Gravimetric	
4	PM10			1885.35		Gravimetric	
10029	Gravimetric					Gravimetric	
PM10						Gravimetric	
10028	Gravimetric			1733.54		Gravimetric	

Instructions: <sup>23</sup>

Hazard Identification: <sup>24</sup>

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: <sup>25</sup>

Return to Client:  Disposal by Lab

Archive

Time Required: <sup>26</sup>

QC Level: <sup>27</sup>

Project Specific (specify): <sup>28</sup> As per work plan

Received by <sup>28</sup>

Date: 11/23/94  
Time: 12:00

1. Received by <sup>28</sup>  
(Signature/Affiliation)

Date: 11/23/94  
Time: 12:00

Received by <sup>28</sup>

Date:   
Time:

2. Received by <sup>28</sup>  
(Signature/Affiliation)

Date:   
Time:

Received by <sup>28</sup>

Date:   
Time:

3. Received by <sup>28</sup>  
(Signature/Affiliation)

Date:   
Time:



COC NO. 0002433

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

# 2146  
Reference Document N  
Page 1 of 1

Name/No. 1 SEDA-519200 Bill to: 5 I T Corp.  
 Members 2 DKH, MCS, EW PO Box 285  
 Center No. 3 5513001 Romulus, NY 14618-0285  
 Project Manager 4 Douglas Wehner I T Corp. Suite  
 Order No. 6 162800 Rochester, NY 14618-  
 Report Date 11 5 day TAT Attn: J. Korb

Samples Shipment Date 7 11/23/94  
 Lab Destination 8 Quantara - Middle brook  
 Lab Contact 9 Ken Mueller  
 Project Contact/Phone 12 J. Korb (716) 271-6430 Report to: 10  
 Carrier/Waybill No. 13 FedEx 2179466402

## ONE CONTAINER PER LINE

14	15	16	17	18	19	20	21
	Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt
331	TSP Gravimetric/Lead	11/19/94 24 hr.	Filter	4431.12	None	Gravimetric/Lead	
330	TSP Gravimetric/Lead			5993.87		Gravimetric/Lead	
329	TSP Gravimetric/Lead			3635.92		Gravimetric/Lead	
2032	PM10 Gravimetric			1462.3		Gravimetric	
2031	PM10 Gravimetric			1861.12		Gravimetric	
2026	PM10 Gravimetric			1791.34		Gravimetric	

Instructions: 23  
 Hazard Identification: 24  
 Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25  
 Return to Client  Disposal by Lab

Time Required: 26  
 Rush

Project Specific (specify): As per work plan

Date: 11/23/94  
 Time: 12:00  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

29



COC NO.



**ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD**

Reference Document N  
Page 1 of 1

Bill to: **IT Corp.**  
PO Box 285  
Rochester, NY 14618  
Attn: J. Korb

Samples Shipment Date: 11/23/94  
Lab Destination: Quantera-Middlebrook  
Lab Contact: Ken Mueller

Sample Name/No. 1: SEDA-519200  
Members 2: DKH, MCS, EW  
Order No. 3: 5513001  
Manager 4: Douglas Wehner  
Order No. 6: 162800  
Report Date 11: 5 day TAT

Project Contact/Phone: 12 J.Korb(716)271-6430  
Carrier/Waybill No. 13: FedEx 2179466402

Report to: 10 IT Corp. Suite  
140 Allens Creek  
Rochester, NY 14618

**ONE CONTAINER PER LINE**

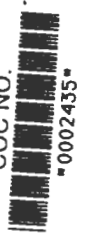
4	15	16	17	18	19	20	21
Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	R
994 TSP	11/20/94 24 hr	Filter	452327	None	Gravimetric/Lead	FREE	
326 Gravimetric/Lead			588564		Gravimetric/Lead	FREE	
327 TSP			428707		Gravimetric/Lead	FREE	
328 Gravimetric/Lead			183804		Gravimetric	FREE	
34 PM10			182821		Gravimetric	FREE	
7035 Gravimetric			18277		Gravimetric	FREE	
234 PM10	11/11/94	Filter	—	↓	Do not analyze	FREE	
2033 Gravimetric			—	↓	Do not analyze	FREE	
425 TSP							
7415 Gravimetric/Lead							

Instructions: 23 Do not analyze on SEDA-11194-3TSP-6277428 or SEDA-6277415  
 Hazard Identification: 24  
 Flammable  Skin Irritant  Poison B  Unknown 
 Sample Disposal: 25 Return to Client  Disposal by Lab  Archived 
 Duration: \_\_\_\_\_

QC Level: 27 I  II  III  Project Specific (specify): *As per work plan*  
 Rush   
 Received by 28: *D. Quantera IT Corp* Date: 11/23/94 Time: 12:00  
 Received by 29: *Bryan Bingham* Date: 11/19 Time: \_\_\_\_\_  
 Received by 30: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by 31: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

of Breakdown on TSP samples which are not being analyzed





**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD \***

Samples Shipment Date <sup>7</sup> 11/23/94 Bill to: <sup>5</sup> ITCorp  
 Lab Destination <sup>8</sup> Quantera - Middlebrook PO Box 285  
 Romulus, NY  
 Lab Contact <sup>9</sup> Ken Mueller 14541-0285  
 Project Contact/Phone <sup>12</sup> J. Korb (714) 271-6430 Report to: <sup>10</sup> IT Corp. Suite  
 140 Allens Creek Rd  
 Rochester, NY 14618  
 Carrier/Waybill No. <sup>13</sup> Fedex 2179466402 Attn: J. Korb

**ONE CONTAINER PER LINE**

4	15	16	17	18	19	20	21
Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-19 servative	Requested Testing Program	Condition on Receipt	R
TSP	11/21/94 24 hr.	Filter	450767	None	Gravimetric/Lead		
Gravimetric/Lead			6147.38		Gravimetric/Lead		
TSP			388257		Gravimetric/Lead		
Gravimetric/Lead			1701.87		Gravimetric		
TSP			1744.06		Gravimetric		
PM10			777.02		Gravimetric		
Gravimetric							
PM10							
Gravimetric							

Hazard Identification: <sup>24</sup>  Flammable  Skin Irritant  Poison B  Unknown   
 Sample Disposal: <sup>25</sup> Return to Client  Disposal by Lab  Archive

Time Required: <sup>26</sup> Rush   
 GC Level: <sup>27</sup> I.  II.  III.  Project Specific (specify): *As Per work plan*

Received by <sup>28</sup> *C. D. Williams - IT Corp* Date: 11/23/94  
 Signature: *[Signature]* Time: 12:00  
 Received by <sup>28</sup> *[Signature]* Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by <sup>28</sup> \_\_\_\_\_ Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Time: \_\_\_\_\_

RECEIVED



JAN 26 1995

ROCHESTER  
EES

IT Engineering Services  
140 Allens Creek Road  
Suite 150  
Rochester, NY 14618  
Attn: Jeff Korb

January 25, 1995

Job Number: 2311 (Amended Certificate)

P.O. Number: 162800

This is the Certificate of Analysis for the following samples:

Client Project ID:	SEDA-519200
Date Received by Lab:	December 14, 1994
Number of Samples:	Ten (10)
Sample Type:	Air

## **I. Introduction**

On December 14, 1994, ten (10) air samples arrived at Quanterra Environmental Services, Knoxville, Tennessee, from IT Engineering Services, Rochester, New York. The list of analytical tests performed, as well as date of receipt and analysis, can be found in the attached report.

Sample 112594-2PM10B-A287048 was to be analyzed for total suspended particulate. However, the sample was analyzed for lead. This report includes the results.

## **II. Analytical Results/Methodology**

The analytical results for this report are presented by analytical test. Each set of data will include sample identification information and the analytical results.

Reviewed and Approved:

A handwritten signature in cursive script, appearing to read "Kenneth Mueller", written over a horizontal line.

Kenneth Mueller  
Project Manager

IT Engineering Services  
January 25, 1995



Client Project ID: SEDA-519200

Job Number: 2527

## **II. Analytical Results/Methodology (Continued)**

The samples were analyzed for lead based on method CFR43-46258/61A.

The samples were analyzed for total suspended particulate based on method PM-10.

## **III. Quality Control**

Routine laboratory level I QC was followed.

Client Project ID: SEDA-519200

Job Number: 2311 (Amended Certificate)

**LEAD ANALYSIS**

Client Sample ID	Lab Sample ID	Total µg	Air Volume	% Rec.	µg/m <sup>3</sup>	Detection Limit µg/m <sup>3</sup>
Method Blank	PBF1220B	ND	0.00	-	ND	72.0 µg
LCS D	LCSF1220B	495	0.00	99.1	ND	72.0 µg
LCS F D	LCSFD1220B	488	0.00	97.6	ND	72.0 µg
112294-1TSP-6201320	AD3587	ND	4432.07	-	ND	0.016
112294-2TSP-6201321	AD3588	ND	6335.76	-	ND	0.011
112294-3TSP-6201322	AD3589	ND	3996.40	-	ND	0.018
112394-1TSP-6201317	AD3590	ND	1945.12	-	ND	0.037
112394-2TSP-6201318	AD3591	154.8	5651.36	-	0.027	0.013
112394-3TSP-6201319	AD3592	ND	4528.48	-	ND	0.016
112494-1TSP-6201314	AD3593	ND	4249.60	-	ND	0.017
112494-2TSP-6201316	AD3594	ND	6167.39	-	ND	0.012
112494-3TSP-6201315	AD3595	ND	4957.40	-	ND	0.015
112594-1TSP-6201313	AD3596	ND	4848.90	-	ND	0.015
112594-2TSP-6201312	AD3597	ND	6758.60	-	ND	0.011
112594-3TSP-6201311	AD3598	ND	5658.10	-	ND	0.013
112694-1TSP-6201308	AD3599	ND	4012.50	-	ND	0.018
112694-2TSP-6201310	AD3600	ND	5946.50	-	ND	0.012
112694-3TSP-6201309	AD3601	ND	4703.30	-	ND	0.015
112794-1TSP-6201305	AD3602	ND	4672.60	-	ND	0.015
112794-2TSP-6201302	AD3603	ND	6158.70	-	ND	0.012
112794-3TSP-6201306	AD3604	ND	5249.20	-	ND	0.014
112894-1TSP-6277593	AD3605	ND	4485.80	-	ND	0.016
112894-2TSP-6277592	AD3606	ND	6184.60	-	ND	0.012
112894-3TSP-6277591	AD3607	ND	5127.20	-	ND	0.014

Client Project ID: SEDA-519200

Job Number: 2311 (Amended Certificate)

**LEAD ANALYSIS**

Client Sample ID	Lab Sample ID	Total $\mu\text{g}$	Air Volume	% Rec.	$\mu\text{g}/\text{m}^3$	Detection Limit $\mu\text{g}/\text{m}^3$
Method Blank	PBF0117A	ND	0.00	-	ND	72.0 $\mu\text{g}$
LCSF	LCSF0117A	5784	0.00	96.4	ND	72.0 $\mu\text{g}$
LCSFD	LCSFD0117A	5700	0.00	95.0	ND	72.0 $\mu\text{g}$
112594-2PM10B-A287048	AD3618	ND	1881.5	-	ND	0.038

Client Project ID: SEDA-519200

Job Number: 2311 (Amended Certificate)

**TOTAL PARTICULATE ANALYSIS**

<b>Client Sample ID</b>	<b>Lab Sample ID</b>	<b>Total Particulate <math>\mu\text{g}/\text{m}^3</math></b>
112294-1PM10B-A287041	AD3608	3.22
112294-2PM10B-A287040	AD3609	28.97
112294-3PM10B-A287039	AD3610	55.54
112394-1PM10B-A287044	AD3611	<0.14
112394-2PM10B-A287043	AD3612	299.50
112394-3PM10A-A287042	AD3613	11.01
112494-1PM10B-A287045	AD3614	4.30
112494-2PM10B-A287046	AD3615	16.50
112494-3PM10A-A287047	AD3616	38.69
112594-1PM10B-A287050	AD3617	2.43
112594-3PM10A-A287049	AD3619	78.33
112694-1PM10B-A287053	AD3620	6.83
112694-2PM10B-A287052	AD3621	8.81
112694-3PM10A-A287051	AD3622	<0.12
112794-2PM10B-A287054	AD3623	5.96
112794-3PM10A-A287055	AD3626	1.92
112894-1PM10A-A287227	AD3630	4.54
112894-2PM10B-A287226	AD3635	4.80
112894-3PM10A-A287057	AD3639	15.87

Client Project ID: SEDA-519200

Job Number: 2311 (Amended Certificate)

**TOTAL PARTICULATE ANALYSIS (continued)**

**Accuracy**

<u>REFERENCE STANDARDS, g</u>	<u>ACTUAL VALUE, g</u>
1.0000	0.9996
2.0000	1.9996
5.0000	4.9995

**Precision**

<u>CLIENT SAMPLE ID</u>	<u>SAMPLE WEIGHT, g</u>	<u>CHECK WEIGHT, g</u>	<u>DIFFERENCE, mg</u>
112894-2PM10B-A287226	4.3066	4.3064	-0.2000

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CORPORATION



COC NO.

**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD**

Reference Document No.  
Page 1 of 1

W052311

Name/No. <sup>1</sup> SEDA-519200

Members <sup>2</sup> MCS, EW

Center No. <sup>3</sup> 5513001

Manager <sup>4</sup> Douglas Wehner

Order No. <sup>6</sup> 1628DD

Report Date <sup>11</sup> 5 day TAT

Samples Shipment Date <sup>7</sup> 12/12/94

Lab Destination <sup>8</sup> Quantico-Middlebrook

Lab Contact <sup>9</sup> Ken Mueller

Project Contact/Phone <sup>12</sup> J. Karb (716) 291-6430

Carrier/Waybill No. <sup>13</sup> 3197125912

Bill to: <sup>5</sup> IT Corp

PO Box 285  
Romulus NY  
14541-6285

Report to: <sup>10</sup> IT Corp Suite 6  
140 Allens Creek Rd  
Rochester, NY 14610  
Attn: J. Karb

**ONE CONTAINER PER LINE**

Sample 15 Description/Type	Sample 16 Date/Time Collected	Sample 17 Container Type	Sample 18 Volume	Pre-19 servative	Requested Testing 20 Program	Condition on 21 Receipt
TSP	11/22/94 24 hr.	Filter	443287	None	Gravimetric/Lead	FOR LAB USE ONLY
Gravimetric/Lead			6335.76		Gravimetric/Lead	
TSP			3996.4		Gravimetric/Lead	
Gravimetric/Lead			3785.77		Gravimetric/Lead	
TSP			1555.10		Gravimetric	
PM10			1719.23		Gravimetric	
Gravimetric			1868.99	✓	Gravimetric	
PM10		✓				
Gravimetric						
PM10						
Gravimetric						
PM10						
Gravimetric						

Instructions: 23

hazard Identification: 24

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25

Return to Client  Disposal by Lab

Time Required: 26

Rush

GC Level: 27

I.  II.  III.

Project Specific (specify):

As per work order

Received by <sup>28</sup>

Date: 12/11/94

Time: 23:00

1. Received by <sup>28</sup>

(Signature/Affiliation)

Date: 12/11/94

Time: 0

Received by <sup>29</sup>

Date: ---

Time: ---

2. Received by

(Signature/Affiliation)

Date: ---

Time: ---

3. Received by

(Signature/Affiliation)

Date: ---

Time: ---



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TECHNOLOGY  
CORPORATION



**ANALYSIS REL EST AND  
CHAIN OF CUSTODY RECORD \***

WU#2311

Reference Document No.  
Page 1 of 1

Name/No. 1 *SEDA-519200*

Samples Shipment Date 7 *12/12/94*

Bill to: 5 *IT Corp*

Members 2 *MCS, EW*

Lab Destination 8 *Quantera-Middletown*

*PO Box 285*

Order No. 3 *5513001*

Lab Contact 9 *Ken Mueller*

*14541-0285*

Manager 4 *Douglas Wehner*

Project Contact/Phone 12 *J. Korb (410) 271-6430*

Report to: 10 *IT Corp Suite*

Order No. 6 *1628000*

Carrier/Waybill No. 13 *3197125912*

*140 Allens Creek*

Report Date 11 *Sday TAT*

Attn: *J. Korb*

**ONE CONTAINER PER LINE**

Sample #	Sample 15 Description/Type	Date/Time Collected 16	Container Type 17	Sample 18 Volume	Pre-19 servative	Requested Testing 20 Program	Condition on Receipt	Re
2017	TSP Gravimetric/Lead	11/23/94 24 hr.	Filter	1945.12	None	Gravimetric/Lead	FOR LAM USE ONLY	
2018	TSP Gravimetric/Lead			5651.36		Gravimetric/Lead		
2019	TSP Gravimetric/Lead			4508.48 4350.58		Gravimetric/Lead		
2044	PM10 Gravimetric			1423.6		Gravimetric		
2045	PM10 Gravimetric			1578.81		Gravimetric		
2042	PM10 Gravimetric			1643.66		Gravimetric	FOR LAM USE ONLY	

Instructions: 23

Hazard Identification: 24

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25

Return to Client  Disposal by Lab

*durva*  
Archived

Time Required: 26

QC Level: 27

Project Specific (specify)

Rush

Received by 28

Date: *12/11/94*

Received by 28

Date: *12/11*

Signature: *Don Harrington IT*

Time: *23:00*

Signature: *Kerry A. Korman*

Time: \_\_\_\_\_

Received by 29

Date: \_\_\_\_\_

Received by 29

Date: \_\_\_\_\_

Received by 30

Date: \_\_\_\_\_

Received by 30

Date: \_\_\_\_\_



**ANALYSIS REPORT EST AND CHAIN OF CUSTODY RECORD \***

W0 #2311 Reference Document Nr Page 1 of 1

Name/No. 1 *SKDA - 519200*

Samples Shipment Date 7 *12/12/94*

Bill to: 5 *IT Corp*

Members 2 *MCS, FW*

Lab Destination 8 *Quantera - Middlebrook*

*P.O. Box 285  
Rome, NY, NY  
14541-002*

Center No. 3 *5513001*

Lab Contact 9 *Ken Mueller*

Manager 4 *Douglas Wehner*

Project Contact/Phone 12 *J. Korb (716) 271-6432*

*IT Corp, Suite 1  
140 Allens Creek Rd  
Rochester, NY 146  
Attn: J. Korb*

Order No. 6 *162800*

Carrier/Waybill No. 13 *3197125912*

Report Date 11 *5day TAT*

**ONE CONTAINER PER LINE**

4	15	16	17	18	19	20	21	22
	Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Remarks
1314	TSP Gravimetric/Lead	11/24/94 24 hr	Filter	4249.6	None	Gravimetric/Lead		
1316	TSP Gravimetric/Lead			6167.4		Gravimetric/Lead		
315	TSP Gravimetric/Lead			4957.4		Gravimetric/Lead		
7045	PM10 Gravimetric			1464.4		Gravimetric		
7046	PM10 Gravimetric			1661.2		Gravimetric		
7047	PM10 Gravimetric			1754.6		Gravimetric		

Instructions: 23

Hazard Identification: 24

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25

Return to Client  Disposal by Lab

duration Archive prep

Time Required: 26

Rush

QC Level: 27

I.  II.  III.

Project Specific (specify): *As per work plan*

Received by 28

Date: *12/11/94*  
Time: *23:00*

1. Received by 28

(Signature/Affiliation)

Date: *12/11/94*

2. Received by

(Signature/Affiliation)

Date: ---

Time: ---

Received by

Date: ---

(Signature/Affiliation)

Time: ---

Date: ---

Time: ---



COC NO.



\*0002625\*

**ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD \***

W0#2311

Reference Document No. Page 1 of 1

Name/No. <sup>1</sup> SEDA-519200

Members <sup>2</sup> MCS, EW

Center No. <sup>3</sup> 551300L

Manager <sup>4</sup> Douglas Wehner

Order No. <sup>6</sup> 162800

Report Date <sup>11</sup> 5 day TAT

Samples Shipment Date <sup>7</sup> 12/12/94

Lab Destination <sup>8</sup> Quintera-Middlebrook

Lab Contact <sup>9</sup> Ken Mueller

Project Contact/Phone <sup>12</sup> J.Korb (716) 271-6430

Carrier/Waybill No. <sup>13</sup> 3197125912

Bill to: <sup>5</sup> IT Corp.

P.O. Box 285  
Romulus, NY  
14541-02

Report to: <sup>10</sup> IT Corp Suite  
140 Allens Creek  
Rochester, NY 146  
Attn: J. Korb

**ONE CONTAINER PER LINE**

4	15	16	17	18	19	20	21
Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Re
TSP	11/25/94 24 hrs	Filter	4848.9	None	Gravimetric/Lead	FOR LAB USE ONLY	
Gravimetric/Lead			6758.6		Gravimetric/Lead		
TSP			5658.1		Gravimetric/Lead		
Gravimetric/Lead			1770		Gravimetric		
PM10			18815		Gravimetric		
Gravimetric			20725		Gravimetric		
PM10							
Gravimetric							
Gravimetric							

Instructions: 23

hazard Identification: 24

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25

Return to Client  Disposed by Lab  Archive

Time Required: 26

GC Level: 27

Project Specific (specify)

Rush

Requested by <sup>28</sup>

Per Assumption IT Corp

Date: 12/11/94

Time: 7:00

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Received by <sup>29</sup>

Ken G. Lemm, Quintera

Date: 12/10/94

Time: 0:00

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

NATIONAL  
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CORPORATION



COC NO.

**ANALYSIS RE( EST AND  
CHAIN OF CUSTODY RECORD \***

W0#2311

Reference Document N  
Page 1 of 1

Order No. <sup>1</sup> SEDA-519200

Samples Shipment Date <sup>7</sup> 12/12/94

Bill to: <sup>5</sup> IT Corp.

Members <sup>2</sup> MCS, EW

Lab Destination <sup>8</sup> Quanteria - Middle brook

P.O. Box 285  
Romulus, NY  
14571-0285

Member No. <sup>3</sup> 5513001

Lab Contact <sup>9</sup> Ken Mueller

Manager <sup>4</sup> Douglas Wehnck

Project Contact/Phone <sup>12</sup> J-Korb(716)291-6430

Report to: <sup>10</sup> IT Corp. Suite  
140 Allens Creek  
Rochester, NY 146

Order No. <sup>6</sup> 162800

Carrier/Waybill No. <sup>13</sup> 3197125912

Report Date <sup>11</sup> 5 day TAT

**ONE CONTAINER PER LINE**

4	15 Sample Description/Type	16 Date/Time Collected	17 Container Type	18 Sample Volume	19 Pre- servative	20 Requested Testing Program	21 Condition on Receipt	22 Re
794	TSP	11-26-94	Filter	40125	None	Gravimetric/Lead	FOR LAM USE ONLY	
7308	Gravimetric/Lead	24 Hr.		5946.5		Gravimetric/Lead		
794	TSP			4703.3		Gravimetric/Lead		
7110	Gravimetric/Lead			13034		Gravimetric		
7099	TSP			12935		Gravimetric		
7053	Gravimetric/Lead			17137		Gravimetric		
7052	PM10			17552		Gravimetric		
7052	Gravimetric							
7051	Gravimetric							

Instructions: <sup>23</sup>

Hazard Identification: <sup>24</sup>

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: <sup>25</sup>  
Return to Client  Disposal by Lab

Duration  
Archive Prep

Time Required: <sup>26</sup>

QC Level: <sup>27</sup>

Project Specific (specify): <sup>28</sup> As Per work order

Received by <sup>28</sup>

Date: 12/11/94  
Time: 23:00

1. Received by <sup>28</sup>  
(Signature/Affiliation)

Signature: Ken G. Korb, Quanteria

Date: 12/11/94  
Time: ---

Received by <sup>28</sup>

Date: ---  
Time: ---

2. Received by <sup>28</sup>  
(Signature/Affiliation)

Date: ---  
Time: ---

Received by <sup>28</sup>

Date: ---  
Time: ---

3. Received by <sup>28</sup>  
(Signature/Affiliation)

Date: ---  
Time: ---



COC NO.

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CORPORATION

### ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD \*

WD #23 kl

Reference Document No.  
Page 1 of 1

Order No. 1 SEDDA-519200 Samples Shipment Date 7/12/12/94 Bill to: IT Corp  
 Members 2 MCS, EW Lab Destination Quantera-Middlebrook PO Box 285  
 Member No. 3 5513001 Lab Contact Ken Mueller Romulus, NY 14541-028  
 Manager Douglas Wehner Project Contact/Phone 13 J. Korb (716) 271-6430 Report to: IT Corp Suite 15  
 Order No. 6 162800 Carrier/Waybill No. 13 3197125912 140 Allens Creek I  
 Report Date 11/5 day TAT Rochester, NY 14618  
Attn: J. Korb

### ONE CONTAINER PER LINE

Sample 15 Description/Type	Date/Time 16 Collected	Container 17 Type	Sample 18 Volume	Pre-19 servative	Requested Testing 20 Program	Condition on 21 Receipt	Re
TSP Gravimetric/Lead	11/27/94 24 hr.	Filter	4672.6	None	Gravimetric/Lead	FOR LAB USE ONLY	
TSP Gravimetric/Lead			6158.7		Gravimetric/Lead	FOR LAB USE ONLY	
TSP Gravimetric/Lead			5249.2		Gravimetric/Lead	FOR LAB USE ONLY	
PM10 Gravimetric					Gravimetric		
PM10 Gravimetric			1927.5		Gravimetric		
PM10 Gravimetric			1877.4		Gravimetric		

actions: 23

ard Identification: 24

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25

Return to Client  Disposal by Lab

dur Archive Proj

Time Required: 26

QC Level: 27

Project Specific (specify): As per work pb

ed by 28

Date: 12/11/94

1. Received by 28

Date: 12/11/94

Donald Harrington IT

Time: 23:00

(Signature/Affiliation)

Time: 09:00

ed by

Date: \_\_\_\_\_

2. Received by

Date: \_\_\_\_\_

ed by

Date: \_\_\_\_\_

3. Received by

Date: \_\_\_\_\_



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TECHNOLOGY  
CORPORATION

COC NO.

**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD\***

Reference Document No. 2311  
Page 1 of 1

Order No. 1 Sample No. 1 SEDA-519200 Samples Shipment Date 12/12/94 Bill to: IT Corp  
Members 2 MCS, EW Lab Destination 8 Quantera-Middlebrook PO Box 285  
Printer No. 3 5513001 Lab Contact 9 Ken Mueller Romulus, NY 14841-02  
Manager 4 Douglas Wehner Project Contact/Phone 12 J. Korb (716) 271-0430 Report to: IT Corp. Suite 10  
Order No. 6 162800 Carrier/Waybill No. 13 3197125912 140 Allens Creek Rd  
Report Date 11 5 day TAT Rochester, NY 14608  
Attn: J. Korb

**ONE CONTAINER PER LINE**

Sample 15 Description/Type	Date/Time Collected	Container Type	Sample 18 Volume	Pre-19 servative	Requested Testing Program	Condition on Receipt
TSP	11/28/94 24 hr	Filter	8.7643	9985.8	Gravimetric/Lead	FOR LAB USE ONLY
TSP Gravimetric/Lead			6184.6	None	Gravimetric/Lead	
TSP Gravimetric/Lead			5127.2		Gravimetric/Lead	
TSP Gravimetric/Lead			1761.4		Gravimetric/Lead	
PM10 Gravimetric			1709.9		Gravimetric	
PM10 Gravimetric			1764.3		Gravimetric	

Instructions: 23  
 Hazard Identification: 24 Flammable  Skin Irritant  Poison B  Unknown   
 Sample Disposal: 25 Return to Client  Disposal by Lab  Archive Proj   
 Time Required: 26 Rush  GC Level: 27 I  II  III

Received by 28 Ken Mueller Date: 12/11/94  
 Time: 23:00  
 Project Specific (Specify): per work plan  
 Date: 12/11/94  
 Time: 09:00

Received by 28 Kerry A. Plemmer, Quantera Date: 12/11/94  
 Time: 09:00

Received by 28 Ken Mueller Date: 12/11/94  
 Time: 09:00

Sample Volume for SEDA-112894 - ITSP-60277593 = 4485.8 ml



Quanterra Incorporated  
5815 Middlebrook Pike  
Knoxville, Tennessee 37921

615 588-6401 Telephone  
615 584-4315 Fax

ROCHESTER  
NY  
14618  
EES

IT Engineering Services  
140 Allens Creek Road  
Suite 150  
Rochester, NY 14618  
Attn: Jeff Korb

January 23, 1995

Job Number: 2477

P.O. Number: 162800

This is the Certificate of Analysis for the following samples:

Client Project ID:	SEDA-519200
Date Received by Lab:	January 5, 1995
Number of Samples:	Sixty-five (65)
Sample Type:	Air

## **I. Introduction**

On January 5, 1995, sixty-five (65) air samples arrived at Quanterra Environmental Services, Knoxville, Tennessee, from IT Engineering Services, Rochester, New York. The list of analytical tests performed, as well as date of receipt and analysis, can be found in the attached report.

## **II. Analytical Results/Methodology**

The analytical results for this report are presented by analytical test. Each set of data will include sample identification information and the analytical results.

The samples were analyzed for lead based on method CFR43-46258/61A.

The samples were analyzed for total suspended particulate based on method PM-10.

Reviewed and Approved:

Kenneth Mueller  
Project Manager

IT Engineering Services  
January 23, 1995



Client Project ID: SEDA-519200

Job Number: 2477

### **III. Quality Control**

Routine laboratory level I QC was followed.



Client Project ID: SEDA-519200

Job Number: 2477

**LEAD ANALYSIS**

Client Sample ID

	Lab Sample ID	Conc. mg/l	Total µg	Air Volume (cubic m)	µg/m <sup>3</sup>	Detection Limit µg/m <sup>3</sup>
Method Blank	PBF0111A	<0.06	ND	0.0	-	72.00
LCSF	LCSF0111A	5.06	6072	0.0	-	72.00
LCSFD	LCSFD0111A	4.91	5892	0.0	-	72.00
SEDA-112994-2TSP-6277595	AD6334	<0.06	ND	5962.7	ND	0.012
SEDA-112994-3TSP-6277596	AD6337	<0.06	ND	5021.3	ND	0.014
SEDA-113094-3TSP-6277599	AD6341	<0.06	ND	5284.3	ND	0.014
SEDA-113094-2TSP-6277598	AD6347	<0.06	ND	6190.9	ND	0.012
SEDA-12194-3TSP-6277600	AD6351	<0.06	ND	5555.9	ND	0.013
SEDA-12194-2TSP-6277580	AD6354	<0.06	ND	5945.4	ND	0.012
SEDA-12294-3TSP-6277578	AD6358	<0.06	ND	5582.2	ND	0.013
SEDA-12294-2TSP-6277577	AD6366	<0.06	ND	6006.8	ND	0.012
SEDA-12394-3TSP-6277573	AD6367	<0.06	ND	5476.1	ND	0.013
DA-12394-2TSP-6277574	AD6368	<0.06	ND	6076.6	ND	0.012
SEDA-12494-3TSP-6277570	AD6374	<0.06	ND	5119.3	ND	0.014
SEDA-12494-2TSP-6277571	AD6375	<0.06	ND	5991.3	ND	0.012
SEDA-12594-3TSP-6277567	AD6376	<0.06	ND	5426.7	ND	0.013
SEDA-12594-2TSP-6277568	AD6379	0.12	146.40	6197.1	0.024	0.012
SEDA-12694-3TSP-6277564	AD6381	<0.06	ND	5463.9	ND	0.013
SEDA-12694-2TSP-6277565	AD6385	<0.06	ND	6115.7	ND	0.012
SEDA-12794-2TSP-6277562	AD6386	<0.06	ND	6255.5	ND	0.012
SEDA-12794-3TSP-6277561	AD6387	<0.06	ND	5659.3	ND	0.013
SEDA-12894-3TSP-6277558	AD6388	<0.06	ND	5579.9	ND	0.013
Method Blank	PBF0111B	<0.06	ND	0.0	-	-
LCSF	LCSF0111B	4.96	5952	0.0	-	-
LCSFD	LCSFD0111B	5.11	6132	0.0	-	-
SEDA-12994-3TSP-6277555	AD6389	<0.06	ND	5629.0	ND	0.013
SEDA-121094-3TSP-6277553	AD6390	<0.06	ND	4102.8	ND	0.018
SEDA-121194-3TSP-6277551	AD6391	<0.06	ND	5455.7	ND	0.013
SEDA-121294-3TSP-A287331	AD6392	<0.06	ND	5275.1	ND	0.014

Client Project ID: SEDA-519200

Job Number: 2477

**TOTAL PARTICULATE ANALYSIS**

Client Sample ID	Lab Sample ID	Particulate $\mu\text{g}/\text{m}^3$
SEDA-112994-1PM10A-A287228	AD6393	6.10
SEDA-112994-2PM10B-A287229	AD6394	9.68
SEDA-112994-3PM10A-A287230	AD6395	7.05
SEDA-113094-3PM10A-A287231	AD6396	39.77
SEDA-113094-2PM10B-A287232	AD6397	22.20
SEDA-113094-1PM10A-A287233	AD6398	6.86
SEDA-12194-3PM10A-A287234	AD6399	12.19
SEDA-12194-2PM10B-A287235	AD6400	13.10
SEDA-12194-1PM10A-A287236	AD6401	17.58
SEDA-12294-3PM10A-A287239	AD6402	12.15
SEDA-12294-2PM10B-A287238	AD6403	15.19
SEDA-12294-1PM10A-A287237	AD6404	18.66
SEDA-12394-3PM10A-A287242	AD6405	17.02
SEDA-12394-2PM10B-A287241	AD6406	<0.114
SEDA-12394-1PM10A-A287240	AD6407	19.32
SEDA-12494-3PM10A-A287127	AD6408	20.10
SEDA-12494-2PM10B-A287126	AD6409	21.26
SEDA-12494-1PM10A-A287125	AD6410	22.97
SEDA-12594-3PM10A-A287213	AD6411	11.66
SEDA-12594-2PM10B-A287129	AD6412	52.02
SEDA-12594-1PM10A-A287128	AD6413	13.51
SEDA-12694-2PM10B-A287211	AD6414	8.34
SEDA-12694-3PM10A-A287210	AD6415	4.67
SEDA-12694-1PM10A-A287212	AD6416	6.46
SEDA-12794-1PM10A-A287347	AD6417	<0.124
SEDA-12794-2PM10B-A287346	AD6418	9.07
SEDA-12794-3PM10A-A287345	AD6419	<0.120
SEDA-12894-3PM10A-A287342	AD6422	<0.106
SEDA-12894-2PM10B-A287343	AD6425	9.73
SEDA-12894-1PM10A-A287344	AD6428	<0.139

Client Project ID: SEDA-519200

Job Number: 2477

**TOTAL PARTICULATE ANALYSIS**

Client Sample ID	Lab Sample ID	Particulate $\mu\text{g}/\text{m}^3$
SEDA-12994-1PM10A-A287341	AD6446	9.90
SEDA-12994-2PM10B-A287340	AD6447	<0.188
SEDA-12994-3PM10A-A287339	AD6448	6.19
SEDA-121094-1PM10A-A287338	AD6451	<0.126
SEDA-121094-2PM10B-A287337	AD6452	8.57
SEDA-121094-3PM10A-A287336	AD6453	3.49
SEDA-121194-1PM10A-A287335	AD6454	4.42
SEDA-121194-2PM10B-A287334	AD6455	8.01
SEDA-121194-3PM10A-A287333	AD6456	3.03
SEDA-121294-1PM10A-A287328	AD6457	9.09
SEDA-121294-2PM10B-A287330	AD6458	10.58
SEDA-121294-3PM10A-A287332	AD6459	<0.104

Client Project ID: SEDA-519200

Job Number: 2477

**Total Particulate Quality Assurance Data**

**ACCURACY**

<b>REFERENCE STANDARDS, g</b>	<b>ACTUAL VALUE, g</b>
1.0000	0.9997
2.0000	1.9997
5.0000	4.9999

**Precision**

<b>CLIENT SAMPLE ID</b>	<b>SAMPLE WEIGHT, g</b>	<b>CHECK WEIGHT, g</b>	<b>DIFFERENCE, mg</b>
SEDA-12294-2PM10B-A287238	4.2735	4.2739	0.4000



**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD \***

Bill to: 5 IT Corp  
20 Box 285  
Rome/US, NY  
14541-0288

Samples Shipment Date 7 1/4/94  
Lab Destination 8 Quanteria-Middlebrook  
Lab Contact 9 Ken Mueller

Project Contact/Phone 12 J. Korb (716) 271-6439 Report to: 10 IT Corp, Suite 150  
140 Allens Creek Rd.  
Rochester, NY 14618-6000  
Attn: J. Korb

Carrier/Waybill No. 13 2360671924

**ONE CONTAINER PER LINE**

Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Date Recd
TSP	11/29/94	Filter	4603.27K	None	Gravimetric/Lead	Received at combi-station Dit Custody seals in MAP FOR LAB USE ONLY	
TSP	24 hr.		5962.7K 3970.66K		Gravimetric/Lead		
TSP			5021.29K 3841.12K		Gravimetric/Lead		
PM10			14253 1467000		Gravimetric		
PM10			1631.4		Gravimetric		
PM10			1660.7		Gravimetric		

Disposal: 23 Disregard SEDA-112994-ITSP-6273594

Sample Disposal: 25  
Return to Client  Disposal by Lab

Flammable  Skin Irritant  Poison B  Unknown

Time Required: 26  
GC Level: 27  
I.  II.  III.

Project Specific (specify): As per work plan

Received by 28  
Date: 1/4/94  
Time: 13:00  
Signature: Dan Huntington Corp

Received by 28  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Signature: Mark Owe

Received by 28  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Signature: \_\_\_\_\_

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TECHNOLOGY  
CORPORATION



COC NO.  
0002818

**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD \***

WIS 2477

Reference Document No.  
Page 1 of 1

Order No. 1 SEDDA - 5/5200  
 Member No. 2 MGS, EOL, POW,  
 Member No. 3 5513001  
 Manager 4 Douglas Wehner  
 Order No. 5 102800  
 Report Date 11 5 DNY 7AT

Samples Shipment Date 7 1-1-11  
 Lab Destination 8 Canton, MA  
 Lab Contact 9 Ken, M. Keller  
 Project Contact/Phone 12 (617) 271-6430  
 Carrier/Waybill No. 13 23604-11924

Bill to: 5 IT Corp  
 P.O. Box 285  
 Amherst, NY 14541  
 Report to: 10 IT Corp Suite 150  
 140 Allens Creek Rd  
 Rochester, NY 14618  
 Attn: J Corp

**ONE CONTAINER PER LINE**

Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal
Pb10 Cerium nitrate	11-30-11 (24 hr)	Fillet	1755.141	None	Cerium nitrate	Received at ambient temp Kustody seals intact MAD 1-5-95	
Pb10 Cerium nitrate			1702.921		Cerium nitrate		
Pb10 Cerium nitrate			1467.338		Cerium nitrate		
TSP Cerium nitrate / Lead			5284.370		Cerium nitrate / Lead		
TSP Cerium nitrate / Lead			6190.932		Cerium nitrate / Lead		
TSP Cerium nitrate / Lead			4685.604		Cerium nitrate / Lead		EN

Locations: 23 DUNELPH SEDDA-11301A 175P - 102-77547

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25

Return to Client  Disposal by Lab  Archive

Time Required: 26

QC Level: 27

Rush

Requested by 28 *Ken M. Keller*  
 Date: 1/4/94  
 Time: 13:00

Received by 28  
 Date: 1/4/94  
 Time: 13:00

Received by 28  
 Date: 1/4/94  
 Time: 13:00

Received by 28  
 Date: 1-5  
 Time: 0900

Requested by 28  
 Date: 1/4/94  
 Time: 13:00

Received by 28  
 Date: 1/4/94  
 Time: 13:00

Received by 28  
 Date: 1/4/94  
 Time: 13:00

Received by 28  
 Date: 1-5  
 Time: 0900



COC NO.

\*0002819\*

**ANALYSIS REL EST AND  
CHAIN OF CUSTODY RECORD \***

W0#24tr

Reference Document No.  
Page 1 of 1

Name/No. 1 SEDA - 517200  
 Members 2 MCS, E.O., RW  
 Member No. 3 5513001  
 Manager 4 Douglas Wchne2  
 Order No. 6 142500  
 Report Date 11 5 day TAT  
 Samples Shipment Date 7 1/4/94  
 Lab Destination 8 Q. ANTONA - Middlebrook  
 Lab Contact 9 Ben Miller  
 Project Contact/Phone 12 J. (mob 716) 271-6430  
 Carrier/Waybill No. 13 2360671924  
 Bill to: 5 IT CORP  
 P.O. Box 285  
 DENNIS, NY 1454  
 Report to: 10 IT CORP  
 140 ALBANS SPRNG  
 DENNIS, NY 1461  
 ATTN: J. COYB.

**ONE CONTAINER PER LINE**

14	15	16	17	18	19	20	21
Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	
PM10	12-1-94 24 hr	Filter	1787.630	NONE	GRAVIMETRIC	Recovered at ambient in study seals intact	
PM10			1702.9		GRAVIMETRIC		
PM10			1507.176		GRAVIMETRIC		
TSP			5555.894		GRAVIMETRIC/LEAD		
PM10			5945.300		GRAVIMETRIC/LEAD		
TSP			4799.61		GRAVIMETRIC/LEAD		

Instructions: 23 Disregard SEDA - 0194 - TSP - 6277579

24 Hazard Identification:

Flammable  Skin Irritant  Poison B  Unknown  III

Sample Disposal: 25

Return to Client  Disposal by Lab  Archive  Other

Time Required: 26

QC Level: 27

I  II  III

Project Specific (specify):

Date: 1/4/95  
Time: 13:00

1. Received by  
(Signature/Affiliation)

*Mark*

Date: 1-5  
Time: 0900

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

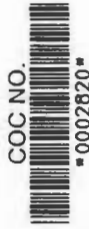
2. Received by  
(Signature/Affiliation)

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

3. Received by  
(Signature/Affiliation)

Date: \_\_\_\_\_  
Time: \_\_\_\_\_



COC NO.

**ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD \***

Reference Document No. **WO #2477**  
Page 1 of 1

Order No. <sup>1</sup> SEDA-519200  
Members <sup>2</sup> RW, EV, MCS  
Order No. <sup>3</sup> 5513001  
Manager <sup>4</sup> Douglas Warner  
Order No. <sup>6</sup> 162500  
Report Date <sup>11</sup> 5 day TAT

Samples Shipment Date <sup>7</sup> 1/4/94  
Lab Destination <sup>8</sup> Quantico - Middlebrook  
Lab Contact <sup>9</sup> Ken McEllerz  
Project Contact/Phone <sup>12</sup> J. Cobb (76) 271-6436  
Carrier/Waybill No. <sup>13</sup> 2360671924

Bill to: <sup>5</sup> IT Corp  
P.O. Box 205  
Rumulus, NY 14541-0205  
Report to: <sup>10</sup> IT Corp Suite 15  
140 Airways Circle  
Rochester, NY 14618  
ATTN: JCC25

**ONE CONTAINER PER LINE**

Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-19 preservative	Requested Testing Program	Condition on Receipt	Re-
PM10 Coarse particulate	12-2-94 24 hr	Filter	1819.352	NONE	Coarse particulate	Received at comb. of TAT	
PM10 Coarse particulate			1507.20 9604.074		Coarse particulate	Instock seals intact	
PM10 Coarse particulate			1559.133		Coarse particulate	MAD 1-5-93	
TSP Coarse particulate / LEAD			5582.193		Coarse particulate / LEAD		
TSP Coarse particulate / LEAD			6006.816		Coarse particulate / LEAD		
TSP Coarse particulate / LEAD			4287.711		Coarse particulate / LEAD		

Dispositions: <sup>23</sup> disregard SEDA-2294-ITSP-6277576

Identification: <sup>24</sup>

Flammable  Skin Irritant  Poison B  Unknown

Time Required: <sup>26</sup>

QC Level: <sup>27</sup>

I.  II.  III.

Sample Disposal: <sup>25</sup>  
Return to Client  Disposal by Lab

Disposal Date: <sup>25</sup>

Received by <sup>28</sup>  
Don Huntington Corp

Date: 1/4/94  
Time: 13:00

Received by <sup>28</sup>  
(Signature/Affiliation)

Project Specific (specify):

Signature: [Signature]

Date: 1-5  
Time: 2:26

Received by <sup>28</sup>

Date:   
Time:

Received by <sup>28</sup>  
(Signature/Affiliation)

Date:   
Time:



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**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD \***

Reference Document No  
Page 1 of 1

W0#2477

Order No. 1 SEDA-519200

Samples Shipment Date 7 1/4/94

Bill to: 5 IT Corp

Members 2 RW, EW, MCS

Lab Destination 8 QUANTICA - Middlebrook

P.O. Box 215  
RUMFOLS, NY 14618

Order No. 3 5513001

Lab Contact 9 Ken Mueller

Manager 4 Douglas Wehner

Project Contact/Phone 12 J. Cobb (716) 271-6450

Report to: 10 IT Corp Suite 15

Order No. 6 162800

Carrier/Waybill No. 13 2300671924

140 Allens Creek Rd.  
Rochester, NY 14618

Report Date 11 5day TAT

Attn: J. Cobb

**ONE CONTAINER PER LINE**

Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	Condition on Receipt	Disposal
PMIC	12-3-94						
GRAVIMETRIC	24 hr	Filter	1792.097	None	GRAVIMETRIC	Received at combi out from custody seals intact	
PMIC			1755.725		GRAVIMETRIC	MAD	
GRAVIMETRIC			1562.688		GRAVIMETRIC	USE ONLY	
TSP			65476.102		GRAVIMETRIC/LEAD		
GRAVIMETRIC/LEAD			6076.884		GRAVIMETRIC/LEAD		
TSP			4449.525		GRAVIMETRIC/LEAD	USE ONLY	
GRAVIMETRIC/LEAD							

Instructions: 23 Desregged SEDA-123-94-ITSP-6233575

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25 Return to Client  Disposal by Lab

Archive  Disposal

Time Required: 26

QC Level: 27

IT Corp

Project Specific (specify): As per work plan

Date: 1/4/94  
Time: 13:00

1. Received by (Signature/Affiliation)  
Mark Chen

Date: 1-5-94  
Time: 0900

IT Corp

2. Received by (Signature/Affiliation)

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

IT Corp

3. Received by (Signature/Affiliation)

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

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NOLOGY  
ORATION



**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD\***

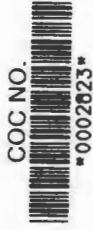
Reference Document No  
Page 1 of 1

Order No. 1 SEDA-514200 Bill to: IT Corp.  
 Members 2 MCS, ECU, REV P.O. Box 255  
 Member No. 3 6513001 COMULUS, NY 1451-00  
 Manager 4 Douglas Wehner Report to: IT Corp Suite 150  
 Order No. 6 162800 Carrier/Waybill No. 13 2360671114  
 Order Date 11 5 DAY TAR Lab Contact 9 REN Mueller  
 Lab Destination 8 Quawissa - Medicine  
 Project Contact/Phone 12 (605) 271-6430  
 Report to: 400 Adams Circle LLC  
Rochester, NY 14618  
AMN J Corp.

**ONE CONTAINER PER LINE**

Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal
PM10 CARBONINE HAIR	12 4 94 24 hr	Filter	1666.81 H77009	SN 1-3-95 NCCUC	CARBONINE HAIR	Received at ambient for custody seals intact	
PM10 CARBONINE HAIR			1674.844 905541	SN 1-3-95	CARBONINE HAIR	PM10	
PM10 CARBONINE HAIR			1475.017 947057	SN 1-3-95	CARBONINE HAIR		
TSP CARBONINE HAIR / LEAD			5119.255 3191076	SN 1-3-95	CARBONINE HAIR / LEAD		
TSP CARBONINE HAIR / LEAD			5991.267 2005927	SN 1-3-95	CARBONINE HAIR / LEAD		
TSP CARBONINE HAIR / LEAD			4161.006 6021004	SN 1-3-95	CARBONINE HAIR / LEAD		

Instructions: 23 DIREGARD SEDA-1242 + -ITSP - 627757Z  
 Standard Identification: 24  
 Flammable  Skin Irritant  Poison B  Unknown   
 Disposal by Lab  Archive   
 Time Required: 26  
 Rush  GC Level: 27  
 I.  II.  III.   
 Project Specific (specify): As per WORK PLAN  
 Date: 1-5 Date: 1-5  
 Time: 0900 Time: 0900  
 Received by 28 Mark Owen  
 (Signature/Affiliation)  
 Received by 27  
 (Signature/Affiliation)  
 Received by 26  
 (Signature/Affiliation)



W0 #2477

**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD \***

Reference Document No  
Page 1 of 1

Order No. 1 SEDA - 519200  
 Order No. 2 MCS, E.W., B.W.  
 Order No. 3 5513001  
 Order No. 4 Designs Wehner  
 Order No. 5 162500  
 Report Date 11 5 day TAT

Samples Shipment Date 7 1/4/95  
 Lab Destination 8 Quaker - Middleboro  
 Lab Contact 9 Ken Merrill  
 Project Contact/Phone 12 J. Corp (716) 271-6430  
 Carrier/Waybill No. 13 2360671974

Bill to: 5 IT Corp  
 P.O. Box 265  
 Canisteota, NY 14811

Report to: 10 IT Corp  
 140 Alkeme Corpn  
 Canisteota, NY 14811  
 ATTN: J Reed

**ONE CONTAINER PER LINE**

Sample 15 Description/Type	Date/Time 16 Collected	Container 17 Type	Sample 18 Volume	Pre-19 servative	Requested 20 Program	Condition on 21 Receipt	Disposal 22
TSP Coarse particulate/lead	12/5/94	Filter	2747.380	ppb/pc	Coarse particulate/lead	SN 1-4-95	
TSP Coarse particulate/lead			5426.452 - pin		Coarse particulate/lead	RECEIVED EAST TOWN MAD 1-3-95	
TSP Coarse particulate/lead			3372.948 - 545		Coarse particulate/lead		
Pm10 Coarse particulate			6197.111		Coarse particulate		
Pm10 Coarse particulate			1740.911		Coarse particulate		
Pm10 Coarse particulate			477.447		Coarse particulate		
Pm10 Coarse particulate			1747.345		Coarse particulate		
Pm10 Coarse particulate			4461.554		Coarse particulate		
Pm10 Coarse particulate			539.494		Coarse particulate		
Pm10 Coarse particulate			1023.730		Coarse particulate		

Actions: 23 DISREGARD SEDA-12094 - ITSP - 6277569

Flammable  Skin Irritant  Poison B  Unknown  Disposal by Lab  Archive

Time Required: 26  
 GC Level: 27  
 I.  II.  III.

Received by 28  
 Date: 1/4/94  
 Time: 13.00  
 Signature: IT Corp

Received by 28  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Signature: Mark O...

Received by 28  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Signature: \_\_\_\_\_

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TECHNOLOGY  
CORPORATION



**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD \***

WO # 2477

Reference Document No.  
Page 1 of 1

Order No. 1 SEDA-519200

Members 2 MCS, E.V., AN

Center No. 3 0513001

Manager 4 Douglas W. Huxford

Order No. 6 162500

Report Date 11 5 day TAT

Samples Shipment Date 7/14/94

Lab Destination 8 AMSTERDAM - Middlebrook

Lab Contact 9 Ken Mueller

Project Contact/Phone 12 J. Grab (714) 271-6430

Carrier/Waybill No. 13 2360671924

Report to: 10

IT Corp Suite 150  
140 Allentown Road  
Rahway, NJ 07065  
ATTN - J. CREB

Bill to: 5

IT Corp  
P.O. Box 245  
RAHWAY, NJ 07065

**ONE CONTAINER PER LINE**

	Sample 15 Description/Type	Date/Time Collected	16 Container Type	17 Sample Volume	18 Pre- servative	19 Requested Testing Program	20 Condition on Receipt
7211	PM10 GRAVIMETRIC	12-6-94	Filter	1739.6 157.54	NONE	GRAVIMETRIC	Received at combined check study 5 bags MAD 15195
7210	PM10 GRAVIMETRIC			1756.88 152.85		GRAVIMETRIC	
7212	PM10 GRAVIMETRIC			1611.13 1007.71		GRAVIMETRIC	
567	TSP GRAVIMETRIC/LEAD			5463.9 3917.84		GRAVIMETRIC/LEAD	
5	TSP GRAVIMETRIC/LEAD			6015.7 4054.47		GRAVIMETRIC/LEAD	
5	TSP GRAVIMETRIC/LEAD			2743.434		GRAVIMETRIC/LEAD	

Instructions: 23 Disregard SEDA-12694-ITSP-6277566

Hazard Identification: 24

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25

Return to Client  Disposal by Lab

Time Required: 26

QC Level: 27

Rush

Received by 28  
Don Auguster Corp

Date: 1/4/94  
Time: 3:00

1. Received by 28  
(Signature/Affiliation)

Project Specific (specify):  
Mark Owen

Date: 1-5  
Time: 0900

Received by

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

2. Received by  
(Signature/Affiliation)

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

Received by

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

3. Received by  
(Signature/Affiliation)

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

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TECHNOLOGY  
CORPORATION



**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD\***

Reference Document No  
Page 1 of 1

Order No. 1 SED-519200

Samples Shipment Date 7 1/4/94

Bill to: FT Corp  
PO Box 285  
Remulus, NY 14544

Members 2 EW, RW

Lab Destination 8 Quintera-Middlebrook

Center No. 3 5513001

Lab Contact 9 Ken Mueller

Manager Douglas Wehner

Project Contact/Phone 12 J. Corb (716) 271-6430

Order No. 6 162800

Carrier/Waybill No. 13 Z362271924

Report to: 10 IT Corp Suite  
140 Allens Creek  
Rochester NY 14618  
Attn: J. Corb

Print Date 11 5 DAY FAX

**ONE CONTAINER PER LINE**

	Sample 15 Description/Type	Date/Time 16 Collected	Container 17 Type	Sample 18 Volume	Pre-19 servative	Requested Testing 20 Program	Condition on 21 Receipt	Re-22
344	TSP Gravimetric/Lead	12/7/94 24 hrs.	Filter	270.57g Abbr		Gravimetric/Lead	DH	
343	TSP Gravimetric/Lead			62.555 462.56g (DN)		Gravimetric/Lead	Received at 11:00 AM Custody sealed MAD-15895	
345	TSP Gravimetric/Lead			56.593 352.824g (DN)		Gravimetric/Lead		
347	PM10 Gravimetric			1613.2 1068g (DN)		Gravimetric		
346	PM10 Gravimetric			1674.5 1163.47g (DN)		Gravimetric		
345	PM10 Gravimetric			1659.9 1126.44g (DN)		Gravimetric		

Instructions: 23 DISCARD SEDA-12794-ITSP - 6277563

Hazard Identification: 24

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25  
Return to Client:

Disposal by Lab

Archive Project

Time Required: 26

QC Level: 27

I.  II.  III.

Project Specific (specify): As per work plan

Received by 28

Date: 1/4/94

Date: 1-5

Time: 13:00

Time: 09:00

Received by

Date: ---

Date: ---

Time: ---

Time: ---

Received by

Date: ---

Date: ---

Time: ---

Time: ---



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NOLOGY  
ORATION



**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD\***

Reference Document No  
Page 1 of 1

Order No. 1 SEDA-519200

Samples Shipment Date 7/14/94

Bill to:

IT Corp  
P.O. Box 255  
Ranulus, NY 14145

Members 2 MCS, EW  
Center No. 3 5513001

Lab Destination 8 QUANTIGA-Middlebrook

Lab Contact 9 Ken Muelle

Manager 4 Douglas Wilmer

Project Contact/Phone 12 J. Coak (716) 271-6430

Report to: 10 IT Corp Suite 153  
140 Allens Creek  
Rochester, NY 14618

Order No. 6 142500

Carrier/Waybill No. 13 2360671924

Port Date 11 5 day, TAT

**ONE CONTAINER PER LINE**

Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Re
TSP COCAINMETRIC/LEAD	12/8/94	Filter	Do Not Analyze	None	COCAINMETRIC/LEAD	(DH) No container analysis	
TSP COCAINMETRIC/LEAD			5579.9 3778.76 (DH)	(DH)	COCAINMETRIC/LEAD	Unstably solids in white (DH) PPHO 1.1.1.9.5	
TSP COCAINMETRIC/LEAD			2728.814		COCAINMETRIC/LEAD		
PM10 COCAINMETRIC			1881.5 1250.6 (DH)	(DH)	COCAINMETRIC		
PM10 COCAINMETRIC			1623.9 7074.5 (DH)	(DH)	COCAINMETRIC		
PM10 COCAINMETRIC			1442.6 1011.3 (DH)	(DH)	COCAINMETRIC		

Instructions: 23 Disregard SEDA-12894. TSP - 6277560

Sample Disposal: 25 System breakdown

Flammable  Skin Irritant  Poison B  Unknown

Return to Client  Disposal by Lab

Disposition  
Archive Proj

Time Required: 26

QC Level: 27

Rush

Received by 28

Date: 1/4/94  
Time: 13:00

1. Received by (Signature/Affiliation)

Project Specific (specify)

Received by 28

Date: 1-5  
Time: 09

Received by

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

2. Received by (Signature/Affiliation)

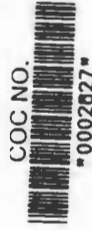
Date: \_\_\_\_\_  
Time: \_\_\_\_\_

Received by

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

3. Received by (Signature/Affiliation)

Date: \_\_\_\_\_  
Time: \_\_\_\_\_



COC NO.

**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD\***

Reference Document No  
Page 1 of 1

Order No. 1 SEDA-519200  
 Members 2 EW, MCS  
 Order No. 3 5513001  
 Manager 4 Douglas Wehner  
 Order No. 6 1628D0  
 Report Date 11 5 day IAT

Samples Shipment Date 7 1/4/94  
 Lab Destination 8 Quakers - Middlebrook  
 Lab Contact 9 Ken Mueller  
 Project Contact/Phone 12 J. Korb (716) 271-6430  
 Carrier/Waybill No. 13 23606671924

Bill to: 5 IT Corp

PO Box 285  
Romulus, NY 14548

Report to: 10 IT Corp Suite 15  
140 Allens Creek Rd  
Rochester, NY 14618  
Attn: J. Korb

**ONE CONTAINER PER LINE**

Sample 15 Description/Type	Date/Time Collected	16 Container Type	17 Sample Volume	18 Pre- servative	19 Requested Testing Program	20 Condition on Receipt	21 Re-
TSP	12/9/94	Fiber	2840.87	None	Gravimetric/Lead	(DH)	
TSP			5239.0		Gravimetric/Lead		
Gravimetric/Lead			357.14	(DH)	Gravimetric		
PM10			552.47	1.6	Gravimetric		
Gravimetric			1682.8		Gravimetric		
PM10			442.23	(DH)	Gravimetric		
Gravimetric			1954.4		Gravimetric		
PM10			1324.4	(DH)	Gravimetric		
Gravimetric							

Received FOR LABORATORY USE ONLY

FOR LABORATORY USE ONLY

Instructions: 23 Disregard SEDA-12994-ITSP-6273557

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25

Return to Client  Disposed by Lab

Archived by Sum

Time Required: 26

GC Level: 27

I.  II.  III.

Received by 28

Received by 28

Project Specific (specify) Manager work pla

Date: 1-5

(Signature/Affiliation)

Date: 1-5

Time: 13.00

(Signature/Affiliation)

Time: 0900

Received by

Received by

Received by

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Time: \_\_\_\_\_

Time: \_\_\_\_\_

Received by

Received by

Received by

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Time: \_\_\_\_\_

Time: \_\_\_\_\_

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NOLOGY  
ORATION



COC NO.

# ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD\*

Reference Document No  
Page 1 of 1

Order No. 1 SEDA-519200  
Members 2 MCS, RW  
Center No. 3 5513001  
Manager 4 Douglas Wehner  
Order No. 6 162800  
Port Date 11 5 day TAT

Samples Shipment Date 7 1/4/95  
Lab Destination 8 Quintera - Middlebrook  
Lab Contact 9 Ken Mueller  
Project Contact/Phone 12 J. Korb (716) 271-6430  
Carrier/Waybill No. 13 2360671924

Bill to: 5 I T Corp  
PO Box 285  
Romeus, NY 14541  
Report to: 10 I T Corp Suite 15  
140 Allens Creek Rd  
Rochester, NY 14618  
Attn: J. Korb

## ONE CONTAINER PER LINE

Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	Condition on Receipt	Re
TSP	12/10/94	Filter	1840.66	None	Gravimetric/Lead	Received by Customer MADA	
554 Gravimetric/Lead	24 hr		4102-828		Gravimetric/Lead		
TSP			3554077		Gravimetric/Lead		
553 Gravimetric/Lead			1590.433		Gravimetric		
PM10			1664.476		Gravimetric		
4 Gravimetric			1704.362		Gravimetric		
338 Gravimetric			1168.669		Gravimetric		
4 Gravimetric			1834.482		Gravimetric		
337 Gravimetric			1244.484		Gravimetric		
4 Gravimetric							
336 Gravimetric							

Instructions: 23 Do not Analyze SEDA-121094-17SP-6272554

Hazard Identification: 24  
Flammable  Skin Irritant  Poison B  Unknown

Time Required: 26  
Rush

Sample Disposal: 25  
Return to Client  Disposal by Lab

Project Specific (specify) per work plan

Received by 28  
D. Huntington IT Corp  
Date: 1/4/95  
Time: 13:00

Received by 28  
Date: 1-5-95  
Time: 0900

Received by 28  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_

Received by 28  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_



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ORATION

COC NO.



0002829\*

**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD**

Reference Document No  
Page 1 of 1

Order No. 1 SEDA-519200

Samples Shipment Date 1/4/94

Bill to: IT Corp

Members 2 MCS, RW

Lab Destination 8 Quantero-Middlebrook

PO Box 285  
Romulus, NY 14544

Order No. 3 5513001

Lab Contact 9 Ken Mueller

Manager Douglas Wehner

Project Contact/Phone 12 J. Korb (716) 271-6430

Report to: 10 IT Corp Suite 1

Order No. 6 162800

Carrier/Waybill No. 13 2360671924

140 Allens Creek  
Rochester, NY 14618

Port Date 11 5 DAY TAT

Carrier/Waybill No. 13 2360671924

Report to: 10 IT Corp Suite 1

**ONE CONTAINER PER LINE**

Sample No.	Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-19 preservative	Requested Testing Program	Condition on Receipt	Remarks
332	TSP Gravimetric/Lead	12/11/94 24 hrs.	Filter	4533.19	None	Gravimetric/Lead	DH	Received from Customer MA 019345
335	TSP Gravimetric/Lead			5455.74		Gravimetric/Lead		
334	PM10 Gravimetric			1515.329		Gravimetric		
333	PM10 Gravimetric			1685.993		Gravimetric		
				1913.284	↓	Gravimetric		FOR LAB USE ONLY

Instructions: 23 DISPERSED SEDA-121194-ITSP-6277552

Hazard Identification: 24

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25

Return to Client  Disposal by Lab  Archive

Time Required: 26

QC Level: 27

Project Specific (specify)

Per work order

Date: 1/4/94  
Time: 3:00

1. Received by  
(Signature/Affiliation) Ken Mueller

Date: 1-5  
Time: 09

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

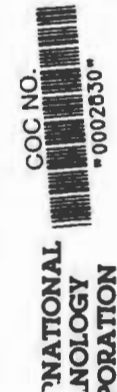
2. Received by  
(Signature/Affiliation)

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

3. Received by  
(Signature/Affiliation)

Date: \_\_\_\_\_  
Time: \_\_\_\_\_



**ANALYSIS RECORD EST AND CHAIN OF CUSTODY RECORD\***

Reference Document No  
Page 1 of 1

Samples Shipment Date 7 1/4/94 Bill to: FT COOP  
 Lab Destination 8 QUANTICO - Middlebrook P.O. Box 285  
 Lab Contact 9 Ken Mueller Romulus, NY 14555  
 Project Contact/Phone 12 J. Coeb (716) 271-6430 Report to: 10 FT Corp Suite 15  
 Carrier/Waybill No. 13 2560671924 140 ALLANS CASEL  
11 S DRY TAT 140 Rochester NY 14611  
ATTN: J COEB

**ONE CONTAINER PER LINE**

Sample No.	Sample Description/Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	Condition on Receipt	Remarks
227	TSP COCAINE/LEAD	12-12-94	F.1KR	469.85	NONE	COCAINE/LEAD	(DHL)	NEW FOR LAT USE ONLY
228	PM10 COCAINE/LEAD			462.502		COCAINE/LEAD		Must be used
229	PM10 COCAINE/LEAD			466.843		COCAINE/LEAD		MH
230	TSP COCAINE/LEAD			575.071		COCAINE/LEAD		
231	PM10 COCAINE/LEAD			428.012		COCAINE/LEAD		
232	COCAINE/LEAD							FOR LAT USE ONLY

Instructions: 23 DISREGARD SET LVI -- 121294 - TSP - A287327  
 Hazard Identification: 24  
 Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25  
 Return to Client  Disposal by Lab

Project Specific (Specify) See work plan  
 Date: 1-3 Time: 09  
 Date: 1-3 Time: 09

Received by 27  
 Date: 1/4/94 Time: \_\_\_\_\_  
Ken Mueller

Received by 28  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by 29  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_

Quanterra Incorporated  
5815 Middlebrook Pike  
Knoxville, Tennessee 37921

615 588-6401 Telephone  
615 584-4315 Fax

IT Engineering Services  
140 Allens Creek Road  
Suite 150  
Rochester, NY 14618  
Attn: Jeff Korb

January 25, 1995

Job Number: 2527

P.O. Number: 162800

This is the Certificate of Analysis for the following samples:

Client Project ID:	SEDA-519200
Date Received by Lab:	January 12, 1995
Number of Samples:	Thirty-nine (39)
Sample Type:	Air

## **I. Introduction**

On January 12, 1995, thirty-nine (39) air samples arrived at Quanterra Environmental Services, Knoxville, Tennessee, from IT Engineering Services, Rochester, New York. The list of analytical tests performed, as well as date of receipt and analysis, can be found in the attached report.

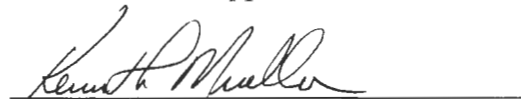
## **II. Analytical Results/Methodology**

The analytical results for this report are presented by analytical test. Each set of data will include sample identification information and the analytical results.

The samples were analyzed for lead based on method CFR43-46258/61A.

The samples were analyzed for total suspended particulate based on method PM-10.

Reviewed and Approved:



Kenneth Mueller  
Project Manager

IT Engineering Services  
January 25, 1995



Client Project ID: SEDA-519200

Job Number: 2527

### **III. Quality Control**

Routine laboratory level I QC was followed.

Client Project ID: SEDA-519200

Job Number: 2527

**LEAD ANALYSIS**

Client Sample ID	Lab Sample ID	Conc. mg/l	Total µg	Air Volume (cubic m)	µg/m <sup>3</sup>	Detection Limit µg/m <sup>3</sup>
Method Blank	PBF0117A	<0.06	ND	0.0	-	72.0 µg
LCSF	LCSF0117A	4.82	5784 (96.4 % Rec.)	0.0	-	72.0 µg
LCSFD	LCSFD0117A	4.75	5700 (95.0 % Rec.)	0.0	-	72.0 µg
SEDA-112994-1TSP-6277594	AD7069	<0.06	ND	4548.4	ND	0.016
SEDA-113094-1TSP-6277597	AD7070	<0.06	ND	4711.7	ND	0.015
SEDA-12194-1TSP-6277579	AD7071	<0.06	ND	4826.4	ND	0.015
SEDA-12294-1TSP-6277576	AD7072	<0.06	ND	4227.5	ND	0.017
SEDA-12394-1TSP-6277575	AD7074	<0.06	ND	4357.0	ND	0.017
SEDA-12494-1TSP-6277572	AD7075	<0.06	ND	4081.0	ND	0.018
SEDA-12594-1TSP-6277569	AD7076	<0.06	ND	4266.8	ND	0.017
SEDA-12694-1TSP-6277566	AD7077	<0.06	ND	4261.4	ND	0.017
DA-12794-1TSP-6277563	AD7078	<0.06	ND	4373.5	ND	0.017
SEDA-12894-1TSP-6277560	AD7080	<0.06	ND	4237.9	ND	0.017
SEDA-12994-1TSP-6277557	AD7082	<0.06	ND	4439.8	ND	0.016
SEDA-121094-1TSP-6277554	AD7084	<0.06	ND	4441.0	ND	0.016
SEDA-121194-1TSP-6277552	AD7085	<0.06	ND	4481.1	ND	0.016
SEDA-121294-1TSP-A287327	AD7086	<0.06	ND	4618.4	ND	0.016
SEDA-112794-1PM10A-A287056	AD7088	<0.06	ND	1730.8	ND	0.042
SEDA-121394-1TSP-6277540	AD7094	<0.06	ND	3588.4	ND	0.020
SEDA-121394-2TSP-6277535	AD7095	<0.06	ND	5314.9	ND	0.014
SEDA-121394-3TSP-6277539	AD7097	<0.06	ND	4024.6	ND	0.018
SEDA-121494-1TSP-6277537	AD7099	<0.06	ND	3732.8	ND	0.019

Client Project ID: SEDA-519200

Job Number: 2527

**LEAD ANALYSIS (continued)**

Client Sample ID	Lab Sample ID	Conc. mg/l	Total µg	Air Volume (cubic m)	µg/m <sup>3</sup>	Detection Limit µg/m <sup>3</sup>
Method Blank	PBF0117B	<0.06	ND	0.0	-	72.0 µg
LCSF	LCSF0117B	4.96	5952 (99.2 % Rec.)	0.0	-	72.0 µg
LCSFD	LCSFD0117B	4.89	5868 (97.8 % Rec.)	0.0	-	72.0 µg
SEDA-121494-2TSP-6277536	AD7100	<0.06	ND	6247.0	ND	0.012
SEDA-121494-3TSP-6277538	AD7101	<0.06	ND	3696.6	ND	0.020
SEDA-121594-1TSP-6277531	AD7105	<0.06	ND	3553.8	ND	0.020
SEDA-121594-2TSP-6277532	AD7106	<0.06	ND	6144.1	ND	0.012
SEDA-121594-3TSP-6277533	AD7107	<0.06	ND	3679.4	ND	0.020
SEDA-121694-1TSP-6277530	AD7111	<0.06	ND	3626.8	ND	0.020
SEDA-121694-2TSP-6277529	AD7112	<0.06	ND	6094.2	ND	0.012
SEDA-121694-3TSP-6277528	AD7113	<0.06	ND	3731.8	ND	0.019

Client Project ID: SEDA-519200

Job Number: 2527

**TOTAL PARTICULATE ANALYSIS**

Client Sample ID	Lab Sample ID	Particulate $\mu\text{g}/\text{m}^3$	
SEDA-121394-1PM10A-A287325	AD7090	25.52	✓
SEDA-121394-2PM10A-A287324	AD7096	23.70	✓
SEDA-121394-3PM10A-A287323	AD7098	14.50	✓
SEDA-121494-1PM10A-A287441	AD7102	20.77	✓
SEDA-121494-2PM10A-A287440	AD7103	20.90	✓
SEDA-121494-3PM10A-A287439	AD7104	14.77	✓
SEDA-121594-1PM10A-A287444	AD7108	16.75	✓
SEDA-121594-2PM10A-A287443	AD7109	26.61	✓
SEDA-121594-3PM10A-A287442	AD7110	9.11	✓
SEDA-121694-1PM10A-A287445	AD7114	9.39	✓
SEDA-121694-2PM10A-A287446	AD7115	11.23	✓
SEDA-121694-3PM10A-A287447	AD7116	6.61	✓

Client Project ID: SEDA-519200

Job Number: 2527

**Total Particulate Quality Assurance Data**

**ACCURACY**

REFERENCE STANDARDS, g	ACTUAL VALUE, g
1.0000	0.9998
2.0000	1.9998
5.0000	4.9996

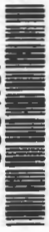
**Precision**

CLIENT SAMPLE ID	SAMPLE WEIGHT, g	CHECK WEIGHT, g	DIFFERENCE, mg
SEDA-121394-3PM10A-A287323	4.3940	4.3936	0.4000



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TECHNOLOGY  
CORPORATION

COC NO.



\*0002878\*

# ANALYSIS REL EST AND CHAIN OF CUSTODY RECORD \*

#2524  
W0 #2696  
RL

Reference Document No  
Page 1 of 2

Name/No. 1 SEDA-519200

Samples Shipment Date 7 1/11/95  
Lab Destination 8 QUANTERA - MIDDLEBROOK

Bill to: 5 IT CORP

Member No. 2 MCS, R.W., E.W.

Lab Contact 9 KEN MUELLER

P.O. BOX 785  
ROMULUS, NY 145

Manager 4 DOUGLAS WEHNER

Project Contact/Phone 12 JEFF KORB (716) 271-6430

Report to: 10 IT CORP SUITE 150

Order No. 6 168 162800

Carrier/Waybill No. 13 FEDEX/2360671672

140 ALLEN'S CREEK RD  
ROCHESTER, NY 14

Report Date 11 5 DAY TAT

ATTN: J. KORB

## ONE CONTAINER PER LINE

Sample ID	Sample 15 Description/Type	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-19 servative	Requested Testing Program 20	Condition on Receipt 21	Lab No.
4-094	TSP GRAVIMETRIC / LEAD	11/29/94 2A HRS	FILTER	4518.369	NONE	GRAVIMETRIC / LEAD	Rec'd & Analyzed by BPP 1/11/95 Sealed	
4-097		11/30/94 2A HRS		4711.654				
4-379		12/1/94 2A HRS		4826.360				
4-376		12/2/94 2A HRS		4227.535				
4-375		12/3/94 2A HRS		4357.027				
4-372		12/4/94 2A HRS		4080.978				
4-369		12/5/94 2A HRS		4266.781				
4-366		12/6/94 2A HRS		4261.431				

Instructions: 23

Hazard Identification: 24

Flammable  Skin Irritant  Poison B  Unknown

QC Level: 27

I.  II.  III.

Sample Disposal: 25

Return to Client  Disposal by Lab  Archive

Time Required: 26

Rush

Project Specific (specify): AS PER WORK PLAN

Received by 28

Date: 1/11/95

1. Received by 28 (Signature/Affiliation)

Date: 1/21/95

Time: 1300

Date: \_\_\_\_\_

2. Received by (Signature/Affiliation)

Time: \_\_\_\_\_

Received by

Date: \_\_\_\_\_

3. Received by (Signature/Affiliation)

Time: \_\_\_\_\_



NATIONAL  
NOLOGY  
ORATION

COC NO.



\*0002879\*

**ANALYSIS RECORD AND  
CHAIN OF CUSTODY RECORD \***

#2521  
Reference Document No  
Page 1 of 1

Bill to: IT Corp  
P.O. Box 285  
Camulus, NY 14  
 Samples Shipment Date 7/11/95  
 Lab Destination Quaker - Middleboro  
 Lab Contact Ken Mueller  
 Project Contact/Phone 12 J. Coeb 716 271-6430  
 Carrier/Waybill No. 13 FED EX / 2360671692  
 Report to: 10 IT Corp Suite 1  
140 Allens Creek  
Rochester, NY 14  
Attn: J. Coeb

**ONE CONTAINER PER LINE**

Sample 15 Description/Type	Date/Time Collected	Container 17 Type	Sample 18 Volume	Pre-19 preservative	Requested Testing 20 Program	Condition on Receipt	Re-
TSP	24 hr	Filter	3588.406	NONE	GRAVIMETRIC / LEAD	Rec'd in sealed plastic bag	
PM10	12-13-94		1305.250		GRAVIMETRIC	Must be analyzed by EPA USE ONLY	
TSP			5314.955		GRAVIMETRIC / LEAD		
PM10			1653.95		GRAVIMETRIC		
TSP			4024.511		GRAVIMETRIC / LEAD		
PM10			1369.823		GRAVIMETRIC		

actions: 23

ard Identification: 24

Flammable

Skin Irritant

Poison B

Unknown

Sample Disposal: 25

Return to Client

Disposed by Lab

Archive

Time Required: 26

Rush

GC Level: 27

I.  II.  III.

Project Specific (space)

Date: 1/12

ed by 28

Date: 11/11/95

Time: 1300

1. Received by 28

Signature/Affiliation

Date: 1/12

ed by

Date: \_\_\_\_\_

Time: \_\_\_\_\_

2. Received by

Signature/Affiliation

Date: \_\_\_\_\_

ed by

Date: \_\_\_\_\_

Time: \_\_\_\_\_

3. Received by

Signature/Affiliation

Date: \_\_\_\_\_

ed by

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Signature/Affiliation

Signature/Affiliation

Date: \_\_\_\_\_

ed by

Date: \_\_\_\_\_

Time: \_\_\_\_\_

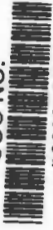
Signature/Affiliation

Signature/Affiliation

Date: \_\_\_\_\_

NATIONAL  
NOLOGY  
PORATION

COC NO.



\*0002860\*

# ANALYSIS RE EST AND CHAIN OF CUSTODY RECORD \*

# 256

Reference Document N  
Page 1 of

Name/No. 1 SEDA-519200

Samples Shipment Date 7 1/11/95

Bill to: FT Corp

PO Box 285  
Romulus, NY 14541

Members 2 EW, MCS

Lab Destination 8 Quarters-Middlebrook

Center No. 3 5513001

Lab Contact 9 Ken Mueller

Manager 4 Douglas Wehner

Project Contact/Phone 12 J. Korb (716) 271-6430

Report to: 10 IT Corp Suite 10  
140 Allens Creek  
Rochester, NY 146  
Attn: J. Korb

Order No. 6 162800

Carrier/Waybill No. 13 FED EX / 236067169Z

Report Date 11 5 DAY TAT

## ONE CONTAINER PER LINE

4	15	16	17	18	19	20	21
Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Remarks
TSP	24 hr	Filter	3732.816	None	Gravimetric/Lead	Rec'd Analytical w/custody	
Gravimetric/Lead	12/14/94		6247.012		Gravimetric/Lead		
TSP			3676.639		Gravimetric/Lead		
Gravimetric/Lead			1358.402		Gravimetric		
TSP			1664.63		Gravimetric		
Gravimetric/Lead			168.194		Gravimetric		
PM10							
Gravimetric							
PM10							
Gravimetric							
PM10							
Gravimetric							

Instructions: 23

azard Identification: 24

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25

Return to Client  Disposal by Lab

Time Required: 26

QC Level: 27

I.  II.  III.

Project Specific (specify)

ed by 28

Date: 1/11/95

Date: 1/11/95

Time: 1300

Time: 8:00

ed by

Date: \_\_\_\_\_

1. Received by 28  
(Signature/Affiliation) Bryan Bonquist

Date: \_\_\_\_\_

ed by

Date: \_\_\_\_\_

2. Received by  
(Signature/Affiliation)

Date: \_\_\_\_\_

ed by

Date: \_\_\_\_\_

3. Received by  
(Signature/Affiliation)

Date: \_\_\_\_\_

NATIONAL  
TECHNOLOGY  
CORPORATION



**ANALYSIS RECORD EST AND  
CHAIN OF CUSTODY RECORD \***

Reference Document No. 11527  
Page 1 of 1

Order No. 1 SEDA-519200  
Members 2 EW, MCS  
Order No. 3 5513001  
Member No. 4 Douglas Uehner  
Order No. 6 162800  
Report Date 11 5 DAY TAT

Samples Shipment Date 7 1/11/94 Bill to: FT Corp  
Lab Destination Quintera - Middlebrook Lab Contact Ken Mueller  
Project Contact/Phone 12 J. Korb (116) 271-6430  
Carrier/Waybill No. 13 FED EX / 2360671692 Report to: 10 IT Corp Suite 140 Allens Creek Rd. Rochester, NY 14618-6  
Attn: J. Korb

**ONE CONTAINER PER LINE**

Sample ID	Sample 15 Description/Type	Date/Time Collected	Container Type	Sample 17 Volume	Pre-19 preservative	Requested Testing Program	Condition on Receipt	Remarks
4	TSP Gravimetric/Lead	24 hr. 12-15-94	Filter	353.760	None	Gravimetric/Lead	Red @ Amb Temp. w/ cushion BPA	FOR LAB USE ONLY
4	TSP Gravimetric/Lead	/	/	614.118	/	Gravimetric/Lead	/	FOR LAB USE ONLY
4	TSP Gravimetric/Lead	/	/	36.79.409	/	Gravimetric/Lead	/	FOR LAB USE ONLY
4	PM10 Gravimetric	/	/	1385.132	/	Gravimetric	/	FOR LAB USE ONLY
4	PM10 Gravimetric	/	/	16.64.610	/	Gravimetric	/	FOR LAB USE ONLY
4	PM10 Gravimetric	/	/	16.56.962	/	Gravimetric	/	FOR LAB USE ONLY

Instructions: 23

Hazard Identification: 24  
Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25  
Return to Client  Dispose by Job  Archive Pro

Time Required: 26  
Push

QC Level: 27  
I.  II.  III.

Received by 28  
Date: 1/11/94 Time: 1300  
Signature: Ken Korb / FT CORP.

Received by 28  
Date: 1/12 Time: 8:55  
Signature: Bryan Bingham  
Project Specific (specify): Der work p.



NATIONAL  
TECHNOLOGY  
CORPORATION

COC NO.



**ANALYSIS REQUEST AND  
CHAIN OF CUSTODY RECORD \***

# 2521

Reference Document No  
Page 1 of 1

Order No. 1 SEDA-519200

Samples Shipment Date 7 11/195

Bill to: IT Corp

Members 2 EW

Lab Destination 8 Quantara-Middlebrook

PO Box 285  
Romulus, NY 14518

Order No. 3 5513001

Lab Contact 9 Ken Mueller

Manager 4 Douglas Wehner

Project Contact/Phone 12 J. Korb (716) 271-6430

Report to: IT Corp Suite 150

Order No. 6 162800

Carrier/Waybill No. 13 FEDEX/236067692

140 Allens Creek  
Rochester, NY 14618  
Attn: J. Korb

Report Date 11 5 DAY TAT

**ONE CONTAINER PER LINE**

	Sample 15 Description/Type	Date/Time 16 Collected	Container 17 Type	Sample 18 Volume	Pre-19 servative	Requested Testing 20 Program	Condition on 21 Receipt	Dis-22 posal
14-30	TSP Gravimetric/Lead	12/10/94 24 hr	Filter	4506.83676.816 2767.5	None	Gravimetric/Lead	Ambient temp w/ Seals Int. <sup>with dust</sup>	
14-39	TSP Gravimetric/Lead			54740 5278.5	COA. 190 SN	Gravimetric/Lead		
14-38	TSP Gravimetric/Lead			3731.830		Gravimetric/Lead		
14-45	PM10 Gravimetric			1450.150		Gravimetric		
14-46	PM10 Gravimetric			1647.672		Gravimetric		
14-47	PM10 Gravimetric			1815.446		Gravimetric		

**FOR LAB USE ONLY**

**FOR LAB USE ONLY**

Actions: 23

Hazard Identification: 24

Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal: 25

Return to Client  Disposal by Lab

Archive Proj

durax

Time Required: 26

QC Level: 27

Project Specific (specify):

As per work p/b

Ordered by 28

Date: 11/11/95  
Time: 1300

1. Received by 28  
(Signature/Affiliation)

Signature: Ken Mueller  
Date: 11/27/95  
Time: 18:55

Ordered by

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

2. Received by  
(Signature/Affiliation)

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_

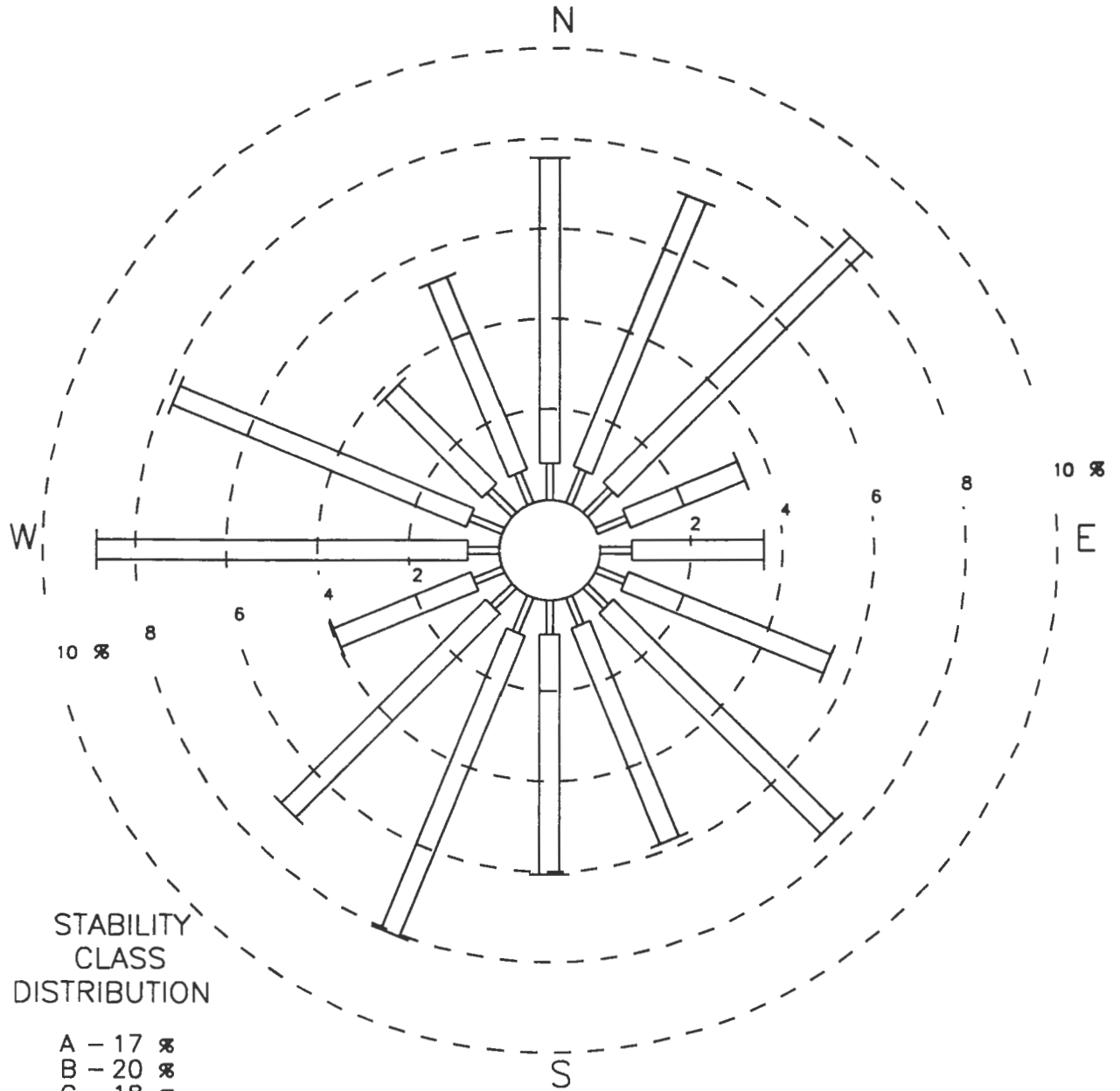
Ordered by

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

3. Received by  
(Signature/Affiliation)

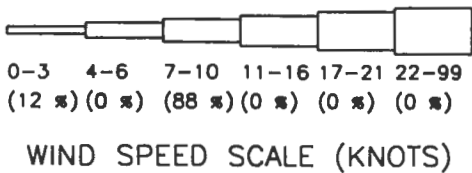
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_

# FREQUENCY OF WIND SPEED AND WIND DIRECTION



## STABILITY CLASS DISTRIBUTION

- A - 17 %
- B - 20 %
- C - 18 %
- D - 14 %
- E - 15 %
- F - 17 %



WIND SPEED SCALE (KNOTS)

NOTE - WIND DIRECTION IS THE DIRECTION WIND IS BLOWING FROM

SENECA ARMY DEPOT  
 ASH LANDFILL AREA  
 ROMULUS, NEW YORK  
 IT PROJECT NO. 519200  
 CUMULATIVE WINDROSE  
 MID-PROJECT REPORT

ASH LANDFILL  
MID-PROJECT REPORT

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
28-Aug	240	1000	16.16	183.6	10.53	73.6	91.7	0 <sup>B</sup>	29.16
28	240	1100	14.54	179.6	9.4	74 <sup>(4)</sup>	91	0 <sup>B</sup>	29.15
28	240	1200	16.07	178.1	10.07	79.1 <sup>(4)</sup>	79.6	0 <sup>B</sup>	29.12
28	240	1300	14.17	194	12.45	80.1	73.3	0 <sup>B</sup>	29.12
28	240	1400	10.76	215.3	12.72	79	71.8	0 <sup>B</sup>	29.13
28	240	1500	10.54	203.6	15.86	75.7	83.7	0 <sup>B</sup>	29.07
28	240	1600	10.74	219.7	13.96	75.3	82.6	0 <sup>B</sup>	29.07
28	240	1700	11.33	200.5	12.84	71.9	91	0 <sup>B</sup>	29.09
28	240	1800	11.97	175.6	12.26	70.6	100.3	0 <sup>B</sup>	29.06
28	240	1900	11.17	192.1	10.65	70.9	100.3	0 <sup>B</sup>	29.05
28	240	2000	9.44	240.9	30.4	70.9	98.1	0 <sup>B</sup>	29.08
28	240	2100	3.133	320.1	25.45	67.92	99.6	0 <sup>B</sup>	29.12
28	240	2200	6.042	290.1	14.85	67.37	94.9	0 <sup>B</sup>	29.13
28	240	2300	8.45	294.4	14.99	65.8	90.9	0 <sup>B</sup>	29.13
29	241	0	7.83	300.1	17.22	63.83	87.5	0 <sup>B</sup>	29.14
29	241	100	6.404	279.5	13.73	61.81	90.9	0 <sup>B</sup>	29.16
29	241	200	7.31	275.2	14.21	60.43	91.7	0 <sup>B</sup>	29.16
29	241	300	5.98	274.4	15.2	58.58	90.4	0 <sup>B</sup>	29.16
29	241	400	5.026	269.6	13.28	56.56	93.7	0 <sup>B</sup>	29.15
29	241	500	5.779	265.9	11.95	55.59	93.5	0 <sup>B</sup>	29.15
29	241	600	5.96	258.6	13.8	54.74	94.7	0 <sup>B</sup>	29.17
29	241	700	6.392	259.6	15.12	56.63	89	0 <sup>B</sup>	29.21
29	241	800	6.547	269.2	19.71	60.46	79.5	0 <sup>B</sup>	29.24
29	241	900	8.43	289.6	21.19	62.82	73.2	0 <sup>B</sup>	29.25
29	241	1000	9.29	303	20.59	65.17	67.98	0 <sup>B</sup>	29.27
29	241	1100	9.47	297.1	22.23	66.97	61.56	0 <sup>B</sup>	29.28
29	241	1200	10.55	293.6	18.72	68.48	55.19	0 <sup>B</sup>	29.28
29	241	1300	10.59	289.8	22.31	69.74	52.05	0 <sup>B</sup>	29.27
29	241	1400	8.9	294.2	23.86	68.96	54.1	0 <sup>B</sup>	29.27
29	241	1500	10.19	284	16.65	69.15	53.53	0 <sup>B</sup>	29.26
29	241	1600	9.28	266.6	15.73	70.2	54.02	0 <sup>B</sup>	29.26
29	241	1700	8.34	261	15.52	69.35	57.13	0 <sup>B</sup>	29.25
29	241	1800	6.864	257.4	14.2	67.42	63.52	0 <sup>B</sup>	29.26
29	241	1900	5.343	250.2	13.02	64.71	72.4	0 <sup>B</sup>	29.25
29	241	2000	3.487	245.8	14.89	61.16	84.6	0 <sup>B</sup>	29.24
29	241	2100	4.302	229	13.83	61.24	87.8	0 <sup>B</sup>	29.25
29	241	2200	5.783	268.1	14.65	61.82	84.1	0 <sup>B</sup>	29.26
29	241	2300	6.646	294.2	14.95	61.17	81.4	0 <sup>B</sup>	29.28
30	242	0	5.62	291.1	15.33	59.19	88	0 <sup>B</sup>	29.3
30	242	100	4.76	284.4	15.33	57.61	92	0 <sup>B</sup>	29.31
30	242	200	4.784	275.8	14.69	56.31	94.6	0 <sup>B</sup>	29.31
30	242	300	5.775	271.4	13.8	55.61	91.1	0 <sup>B</sup>	29.32
30	242	400	5.704	274.1	15.34	54.76	88.5	0 <sup>B</sup>	29.33
30	242	500	3.158	231	18.27	52.04	94.9	0 <sup>B</sup>	29.34
30	242	600	4.2	256.3	20.26	51.5	95.1	0 <sup>B</sup>	29.36
30	242	700	5.723	256.5	18.43	55.58	84.9	0 <sup>B</sup>	29.41
30	242	800	7.21	263	15.98	58.88	77.7	0 <sup>B</sup>	29.45
30	242	900	7.36	276.8	20.36	62.3	71.1	0 <sup>B</sup>	29.47
30	242	1000	7.65	296.7	22.48	65.41	64.76	0 <sup>B</sup>	29.48
30	242	1100	8.23	283.2	21.29	67.41	57.94	0 <sup>B</sup>	29.48
30	242	1200	7.96	281.8	25.02	69.4	50.73	0 <sup>B</sup>	29.48
30	242	1300	7.28	311	24.93	71	48.08	0 <sup>B</sup>	29.47
30	242	1400	8.93	309.7	20.46	71.5	42.16	0 <sup>B</sup>	29.46
30	242	1500	7.75	306.2	18.85	72.4	40.86	0 <sup>B</sup>	29.45
30	242	1600	6.308	296.9	23.97	72.2	42.24	0 <sup>B</sup>	29.45
30	242	1700	4.235	313.8	15.96	71.1	47.32	0 <sup>B</sup>	29.44
30	242	1800	2.348	337	10.16	67.56 <sup>(4)</sup>	66.68	0 <sup>B</sup>	29.42
30	242	1900	4.457	98.9	6.352	61.71 <sup>(4)</sup>	96.3	0 <sup>B</sup>	29.4



Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
30	242	2000	4.08	117	11.17	58.8	97.1	0 <sup>B</sup>	29.38
30	242	2100	3.22	134	12.12	57.71	95	0 <sup>B</sup>	29.38
30	242	2200	4.469	160.8	11.79	59.91	89.2	0 <sup>B</sup>	29.38
30	242	2300	6.442	168.7	10.18	60.35	92.7	0 <sup>B</sup>	29.37
31	243	0	6.924	170.9	10.4	60.6	94.7	0 <sup>B</sup>	29.35
31	243	100	6.113	168.1	11.07	60.8	92.1	0 <sup>B</sup>	29.34
31	243	200	3.826	161.1	20.58	60.23	90.7	0 <sup>B</sup>	29.32
31	243	300	7.25	167.3	11.96	59.84	95.5	0 <sup>B</sup>	29.3
31	243	400	5.904	170.2	13.25	58.8	100.3	0 <sup>B</sup>	29.3
31	243	500	4.457	102.2	40.14	57.3	100.3	0 <sup>B</sup>	29.28
31	243	600	4.797	100.7	22.19	57.16	100.3	0 <sup>B</sup>	29.27
31	243	700	5.1	117.2	10.99	57.66	100.3	0 <sup>B</sup>	29.27
31	243	800	5.407	131.7	12.59	58.25	100.3	0 <sup>B</sup>	29.25
31	243	900	5.593	124.7	10.95	59.63	100.3	0 <sup>B</sup>	29.24
31	243	1000	10.34	175.9	10.64	62.85	100.3	0 <sup>B</sup>	29.24
31	243	1100	11.54	179.8	9.67	65.09	97.5	0 <sup>B</sup>	29.24
31	243	1200	9	174.2	12.84	67.88	91.7	0 <sup>B</sup>	29.24
31	243	1300	8.3	172.9	12.35	70.6	86	0 <sup>B</sup>	29.24
31	243	1400	7.86	182.2	10.09	69.98	91.2	0 <sup>B</sup>	29.24
31	243	1500	3.879	178.9	15.48	67.57	100.1	0 <sup>B</sup>	29.23
31	243	1600	2.151	84.4	32.66	67.46	100.3	0 <sup>B</sup>	29.22
31	243	1700	2.505	91.1	17.7	70.7	98	0 <sup>B</sup>	29.21
31	243	1800	3.069	103.9	13.5	71.3	97.2	0 <sup>B</sup>	29.21
31	243	1900	3.322	207.2	25.03	68.37	100.2	0 <sup>B</sup>	29.21
31	243	2000	5.448	281.4	23	67.18	100.3	0 <sup>B</sup>	29.22
31	243	2100	4.591	282.7	12.87	66.51	100.4	0 <sup>B</sup>	29.24
31	243	2200	3.031	308.4	25.64	64.63	100.3	0 <sup>B</sup>	29.23
31	243	2300	1.658	187.3	13.63	62.09	100.3	0 <sup>B</sup>	29.22
1-Sep	244	0	1.726	176.7	27.35	61.47	100.3	0 <sup>B</sup>	29.22
1	244	100	3.219	274.2	40.57	62.67	100.3	0 <sup>B</sup>	29.23
1	244	200	3.387	268.4	19.84	60.99	100.3	0 <sup>B</sup>	29.23
1	244	300	4.954	252.6	21.46	61.89	100.4	0 <sup>B</sup>	29.24
1	244	400	6.648	271.3	13.66	62.83	100.4	0 <sup>B</sup>	29.25
1	244	500	9.28	269	14.72	62.07	100.4	0 <sup>B</sup>	29.26
1	244	600	6.669	271.4	19.34	60.83	100.4	0 <sup>B</sup>	29.28
1	244	700	8.71	291.8	15.68	61.16	100.4	0 <sup>B</sup>	29.31
1	244	800	8.96	328.4	12.38	60.3	100.4	0 <sup>B</sup>	29.34
1	244	900	10.2	330.8	12.47	58.91	100.4	0 <sup>B</sup>	29.37
1	244	1000	10.41	336.6	12.13	59.52	100.4	0 <sup>B</sup>	29.4
1	244	1100	11.08	329.1	13.45	60.04	97.4	0 <sup>B</sup>	29.42
1	244	1200	11.51	306.4	14.53	61.67	88.5	0 <sup>B</sup>	29.45
1	244	1300	12.02	310.1	17.11	63.49	84.4	0 <sup>B</sup>	29.46
1	244	1400	11.62	326.9	17.07	64.96	79.3	0 <sup>B</sup>	29.47
1	244	1500	10.65	331.7	14.83	64.37	76.5	0 <sup>B</sup>	29.46
1	244	1600	9.42	325.6	15.77	65.02	71.8	0.03 <sup>B</sup>	29.46
1	244	1700	9.56	326.1	15.07	65.2	67.88	0 <sup>B</sup>	29.47
1	244	1800	6.95	337.3	11.41	62.27 <sup>(4)</sup>	73.3	0 <sup>B</sup>	29.47
1	244	1900	4.244	346.2	8.33	56.55 <sup>(4)</sup>	90.7	0 <sup>B</sup>	29.45
1	244	2000	3.953	8.13	9.12	51.87	100.2	0 <sup>B</sup>	29.45
1	244	2100	1.43	322.7	19.94	48.75	100.3	0 <sup>B</sup>	29.45
1	244	2200	1.709	259.2	25.79	48.31	100.3	0 <sup>B</sup>	29.46
1	244	2300	4.233	297.4	13.3	53.3	99.4	0 <sup>B</sup>	29.48
2	245	0	3.54	296.4	12.7	50.67	100.4	0 <sup>B</sup>	29.5
2	245	100	3.961	301.6	10.14	49.62	100.3	0 <sup>B</sup>	29.5
2	245	200	3.593	307.3	11.71	49.76	100.3	0 <sup>B</sup>	29.5
2	245	300	4.092	318.5	13.8	49.1	100.3	0 <sup>B</sup>	29.51
2	245	400	3.43	333.1	17.9	47.44	100.3	0 <sup>B</sup>	29.51
2	245	500	3.45	54.69	9.95	45.24	100.3	0 <sup>B</sup>	29.52

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
2	245	600	2.71	49.49	10.19	46.29	100.4	0 <sup>B</sup>	29.54
2	245	700	2.971	354.7	11.47	49.81 <sup>(4)</sup>	100.3	0 <sup>B</sup>	29.57
2	245	800	4.538	341.5	15.55	55.51 <sup>(4)</sup>	96.8	0 <sup>B</sup>	29.62
2	245	900	5.634	359.7	17.44	58.16 <sup>(4)</sup>	85.4	0 <sup>B</sup>	29.64
2	245	1000	3.929	26.81	50.19	63.24 <sup>(4)</sup>	63.73	0 <sup>B</sup>	29.67
2	245	1100	5.024	334.2	37.04	64.43	60.11	0 <sup>B</sup>	29.67
2	245	1200	6.329	318.7	25.38	64.32	57.6	0 <sup>B</sup>	29.66
2	245	1300	6.762	292	25.84	65.71	56.87	0 <sup>B</sup>	29.64
2	245	1400	8.62	8.76	22.08	66.32	57.91	0 <sup>B</sup>	29.64
2	245	1500	6.685	19.92	16.72	63.46	64.34	0 <sup>B</sup>	29.62
2	245	1600	6.517	319.6	18.75	64.27	59.8	0 <sup>B</sup>	29.61
2	245	1700	4.186	340.5	15.17	63.15	66.92	0 <sup>B</sup>	29.61
2	245	1800	5.645	347.1	20.13	62.28 <sup>(4)</sup>	70.4	0 <sup>B</sup>	29.61
2	245	1900	4.822	15.15	6.229	57.19 <sup>(4)</sup>	84.4	0 <sup>B</sup>	29.6
2	245	2000	3.407	64.34	8.97	48.97 <sup>(4)</sup>	99.7	0 <sup>B</sup>	29.58
2	245	2100	2.383	71.7	11.55	45.62	100.3	0 <sup>B</sup>	29.59
2	245	2200	2.957	72.2	7.33	44.31	100.3	0 <sup>B</sup>	29.59
2	245	2300	2.83	148.2	11.77	44.46	100.4	0 <sup>B</sup>	29.61
3	246	0	3.935	164.5	8.87	45.18	100.4	0 <sup>B</sup>	29.61
3	246	100	3.764	174.4	8.43	47.44	100.4	0 <sup>B</sup>	29.61
3	246	200	4.111	169.7	9.53	47.82	100.4	0 <sup>B</sup>	29.62
3	246	300	3.688	165.3	9.56	47.08	100.4	0 <sup>B</sup>	29.62
3	246	400	4.45	168.6	10.82	46.64	100.4	0 <sup>B</sup>	29.62
3	246	500	4.064	163.1	12.05	47.32	100.4	0 <sup>B</sup>	29.62
3	246	600	5.293	128	10.41	47.18	100.3	0 <sup>B</sup>	29.63
3	246	700	4.397	161.1	12.93	48.88	100.3	0 <sup>B</sup>	29.66
3	246	800	6.221	175.8	11.44	51.34	100.4	0 <sup>B</sup>	29.68
3	246	900	7.33	179.1	11.79	54.01 <sup>(4)</sup>	100.3	0 <sup>B</sup>	29.68
3	246	1000	5.824	191.5	23.58	59.15 <sup>(4)</sup>	87.7	0 <sup>B</sup>	29.72
3	246	1100	3.961	189.4	48.62	65.95 <sup>(4)</sup>	66.84	0 <sup>B</sup>	29.74
3	246	1200	4.851	155.7	38	68.7	56.99	0 <sup>B</sup>	29.73
3	246	1300	4.42	1.849	34.83	68.05	58	0 <sup>B</sup>	29.71
3	246	1400	4.77	39.21	35.82	68.97	51.32	0 <sup>B</sup>	29.7
3	246	1500	5.546	2.701	49.38	70.5	44.38	0 <sup>B</sup>	29.69
3	246	1600	9.15	8.38	15.68	67.76	57.73	0 <sup>B</sup>	29.68
3	246	1700	7.11	16.98	15.56	65.59	59.29	0 <sup>B</sup>	29.67
3	246	1800	5.544	2.52	11.85	64.93 <sup>(4)</sup>	65.65	0 <sup>B</sup>	29.66
3	246	1900	4.778	16.56	5.288	58.46 <sup>(4)</sup>	82.8	0 <sup>B</sup>	29.65
3	246	2000	5.686	34.27	5.67	53.15 <sup>(4)</sup>	98.2	0 <sup>B</sup>	29.64
3	246	2100	5.844	44.35	6.516	52.27	100.3	0 <sup>B</sup>	29.64
3	246	2200	4.411	47.84	7.02	50.69	100.3	0 <sup>B</sup>	29.64
3	246	2300	0.732	135.7	7.47	47	100.3	0 <sup>B</sup>	29.64
4	247	0	1.815	46.49	12.85	45.13	100.3	0 <sup>B</sup>	29.64
4	247	100	3.069	52.16	8.99	44.39	100.4	0 <sup>B</sup>	29.63
4	247	200	2.706	107.6	9.1	44.5	100.4	0 <sup>B</sup>	29.63
4	247	300	1.717	98.2	14.46	43.53	100.4	0 <sup>B</sup>	29.62
4	247	400	1.895	52.85	16.42	44.78	100.4	0 <sup>B</sup>	29.62
4	247	500	2.708	96	18.17	44.41	100.4	0 <sup>B</sup>	29.62
4	247	600	4.015	44.46	7.6	46.83	100.4	0 <sup>B</sup>	29.65
4	247	700	2.484	95.2	11.99	48.86	100.4	0 <sup>B</sup>	29.68
4	247	800	2.327	338.4	18.48	53.13	100.3	0 <sup>B</sup>	29.72
4	247	900	3.326	309.9	25.91	57.05	98	0 <sup>B</sup>	29.74
4	247	1000	4.316	350	40.49	61.97	85.7	0 <sup>B</sup>	29.75
4	247	1100	7.44	19.96	21.4	65.35	69.88	0 <sup>B</sup>	29.74
4	247	1200	7.49	18.51	23.14	67.22	65.11	0 <sup>B</sup>	29.73
4	247	1300	6.54	12.56	24.4	67.38	58.96	0 <sup>B</sup>	29.71
4	247	1400	8.79	359.1	18.68	67.67	57.18	0 <sup>B</sup>	29.7
4	247	1500	8.26	358.2	16.34	65.22	63.72	0 <sup>B</sup>	29.67

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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
4	247	1600	10.52	12.86	12.44	67.05	59.28	0 <sup>B</sup>	29.66
4	247	1700	11.11	4.149	11.33	65.25	63.47	0 <sup>B</sup>	29.65
4	247	1800	8.91	1.876	9.68	62.16 <sup>(4)</sup>	68.48	0 <sup>B</sup>	29.64
4	247	1900	5.625	2.075	5.735	55.57 <sup>(4)</sup>	85.3	0 <sup>B</sup>	29.62
4	247	2000	3.344	10.88	11.11	49.67 <sup>(4)</sup>	98.5	0 <sup>B</sup>	29.6
4	247	2100	2.583	7.43	8.85	45.27	100.3	0 <sup>B</sup>	29.59
4	247	2200	2.322	24.3	14.57	44.6	100.3	0 <sup>B</sup>	29.58
4	247	2300	1.007	128.8	8.03	43.13	100.4	0 <sup>B</sup>	29.57
5	248	0	0.577	264.7	12.39	43.27	100.4	0 <sup>B</sup>	29.56
5	248	100	2.406	172.3	7	42.31	100.4	0 <sup>B</sup>	29.55
5	248	200	1.918	164.7	9.59	42.14	100.4	0 <sup>B</sup>	29.54
5	248	300	4.906	122	12.66	42.77	100.3	0 <sup>B</sup>	29.53
5	248	400	2.701	146.5	20.73	41.26	100.3	0 <sup>B</sup>	29.52
5	248	500	3.377	184.9	11.65	41.78	100.3	0 <sup>B</sup>	29.51
5	248	600	4.301	166.4	8.82	44.49	100.3	0 <sup>B</sup>	29.52
5	248	700	2.253	132.3	16.37	46.94	100.4	0 <sup>B</sup>	29.55
5	248	800	2.516	209.7	24.96	50.73 <sup>(4)</sup>	100.3	0 <sup>B</sup>	29.59
5	248	900	3.264	332.1	31.73	57.22 <sup>(4)</sup>	85.9	0 <sup>B</sup>	29.62
5	248	1000	3.94	14.86	48.12	61.91	74.7	0 <sup>B</sup>	29.63
5	248	1100	5.617	12.13	30.02	64.88	61.34	0 <sup>B</sup>	29.61
5	248	1200	5.21	347.9	55.19	67.97	49.1	0 <sup>B</sup>	29.58
5	248	1300	6.426	305.8	38.5	66.81	53.03	0 <sup>B</sup>	29.55
5	248	1400	7.18	312.3	36.9	68.1	50.16	0 <sup>B</sup>	29.52
5	248	1500	8.7	335.8	21.72	67.76	53.25	0 <sup>B</sup>	29.49
5	248	1600	8.67	346.4	14.9	65.19	60.82	0 <sup>B</sup>	29.48
5	248	1700	7.48	352.2	10.65	63.64	65.8	0 <sup>B</sup>	29.46
5	248	1800	6.362	339.3	10.8	63.45 <sup>(4)</sup>	64.47	0 <sup>B</sup>	29.45
5	248	1900	5.918	353.7	5.171	56.53 <sup>(4)</sup>	82.1	0 <sup>B</sup>	29.42
5	248	2000	5.521	3.177	4.846	51.8	93.8	0 <sup>B</sup>	29.39
5	248	2100	3.051	325.3	12.56	50.46 <sup>(4)</sup>	94.9	0 <sup>B</sup>	29.38
5	248	2200	1.112	8.14	10.21	45.31 <sup>(4)</sup>	100.3	0 <sup>B</sup>	29.36
5	248	2300	2.003	168.4	29.39	43.76	100.4	0 <sup>B</sup>	29.36
6	249	0	3.144	131.5	34.92	43.75	100.4	0 <sup>B</sup>	29.33
6	249	100	3.555	191	12.08	44.59	100.4	0 <sup>B</sup>	29.33
6	249	200	4.605	181.4 <sup>(2)</sup>	7.29	46.85	100.4	0 <sup>B</sup>	29.32
6	249	300	4.172	180.6 <sup>(2)</sup>	9.35	46.19	100.4	0 <sup>B</sup>	29.31
6	249	400	4.123	180.4 <sup>(2)</sup>	14.15	46.39	100.4	0 <sup>B</sup>	29.3
6	249	500	4.384	190.1	15.39	46.09	100.4	0 <sup>B</sup>	29.29
6	249	600	4.577	193.8	18.58	46.26	100.4	0 <sup>B</sup>	29.29
6	249	700	4.588	197	15.1	47.7	100.4	0 <sup>B</sup>	29.3
6	249	800	8.73	185.1	10.02	52.29	100.3	0 <sup>B</sup>	29.32
6	249	900	6.914	192.8	16.13	57.24 <sup>(4)</sup>	91.5	0 <sup>B</sup>	29.34
6	249	1000	4.252	191.7	34.93	63.64 <sup>(4)</sup>	72.9	0 <sup>B</sup>	29.37
6	249	1100	5.169	269.9	46.77	67.34	51.95	0 <sup>B</sup>	29.36
6	249	1200	5.474	297.1	41.37	67.42	50.93	0 <sup>B</sup>	29.33
6	249	1300	5.098	310.8	46.67	69.33	47.76	0 <sup>B</sup>	29.31
6	249	1400	6.293	330.1	33.96	70.7	45.17	0 <sup>B</sup>	29.31
6	249	1500	6.008	316.5	26.12	69.35	45.4	0 <sup>B</sup>	29.29
6	249	1600	8.11	282.6	18.06	69.37	41.52	0 <sup>B</sup>	29.27
6	249	1700	5.664	294	16.63	66.75	45.48	0 <sup>B</sup>	29.26
6	249	1800	5.64	283.4	14.21	64.98	53.02	0 <sup>B</sup>	29.25
6	249	1900	5.775	292.8	13.06	62.44	65.03	0 <sup>B</sup>	29.24
6	249	2000	4.148	337.1	12.86	57.86	93.8	0 <sup>B</sup>	29.24
6	249	2100	4.498	88	11.42	55.92	100.3	0 <sup>B</sup>	29.23
6	249	2200	4.685	130.2	10.46	55.81	100.3	0 <sup>B</sup>	29.22
6	249	2300	4.839	162.4	9.39	56.69	100.3	0 <sup>B</sup>	29.21
7	250	0	6.124	178.5	9.5	57.23	100.3	0 <sup>B</sup>	29.2
7	250	100	8.36	184.7	10.48	58.74	99.3	0 <sup>B</sup>	29.19

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
7	250	200	7.19	205.2	11.8	59.12	96.4	0 <sup>B</sup>	29.18
7	250	300	6.749	212	10.7	59.23	96.7	0 <sup>B</sup>	29.18
7	250	400	6.538	230.9	9.3	59.21	100.3	0 <sup>B</sup>	29.18
7	250	500	5.868	225.2	10.06	59.26	100.3	0 <sup>B</sup>	29.19
7	250	600	4.625	238.4	13.43	57.62	100.3	0 <sup>B</sup>	29.2
7	250	700	4.271	248.4	16.66	58.73	100.3	0 <sup>B</sup>	29.23
7	250	800	8.05	254	18.52	61.84	90.9	0 <sup>B</sup>	29.26
7	250	900	13.35	268.5	14.75	63.2	80.7	0 <sup>B</sup>	29.28
7	250	1000	11.94	272	16.57	64.4	78.3	0 <sup>B</sup>	29.29
7	250	1100	12.99	276.2 <sup>(2)</sup>	16.06	66.64	71.9	0 <sup>B</sup>	29.3
7	250	1200	12.74	276.5 <sup>(2)</sup>	17.86	67.22	69.09	0 <sup>B</sup>	29.31
7	250	1300	14.14	276.4 <sup>(2)</sup>	17.3	68.3	65.23	0 <sup>B</sup>	29.3
7	250	1400	15.08	270.9	16.16	69.53	61.05	0 <sup>B</sup>	29.31
7	250	1500	13.16	278.8	16.89	68.83	60.07	0 <sup>B</sup>	29.31
7	250	1600	11.66	279.7	17.71	68.31	60.78	0 <sup>B</sup>	29.31
7	250	1700	11.74	288.6	17.64	68.01	54.47	0 <sup>B</sup>	29.31
7	250	1800	9.81	275.3	16.32	66.5	57.2	0 <sup>B</sup>	29.32
7	250	1900	4.952	246.6	12.63	61.79	72.6	0 <sup>B</sup>	29.31
7	250	2000	4.507	228.6	12.34	58.16	85	0 <sup>B</sup>	29.31
7	250	2100	5.963	223.8	13.69	58.38	85.8	0 <sup>B</sup>	29.31
7	250	2200	7.43	231.4	13.97	59.3	84.4	0 <sup>B</sup>	29.32
7	250	2300	6.166	219.3	14.13	58.3	88.7	0 <sup>B</sup>	29.32
8	251	0	7.22	232.9	15.15	59.59	83.9	0 <sup>B</sup>	29.33
8	251	100	4.431	256.3	20.55	57.05	96.6	0 <sup>B</sup>	29.35
8	251	200	7.5	188.6	13.38	55.75	100.3	0 <sup>B</sup>	29.32
8	251	300	8.45	198.2	12.09	56.81	100.3	0 <sup>B</sup>	29.33
8	251	400	11.25	201.2	13.14	57.45	100.3	0 <sup>B</sup>	29.33
8	251	500	10.61	202.5	12.08	58.26	99.6	0 <sup>B</sup>	29.32
8	251	600	7.58	192.1	11.39	57.27	100.3	0 <sup>B</sup>	29.33
8	251	700	9.23	201.8	11.76	58.5	100.3	0 <sup>B</sup>	29.35
8	251	800	9.6	213	12.71	61.86 <sup>(4)</sup>	94.8	0 <sup>B</sup>	29.37
8	251	900	9.59	235.1	14.55	66.88 <sup>(4)</sup>	82	0 <sup>B</sup>	29.38
8	251	1000	12.36	259	14.13	70.8	69.64	0 <sup>B</sup>	29.4
8	251	1100	15.08	262.1	13.85	72.6	64.87	0 <sup>B</sup>	29.39
8	251	1200	15.11	264.2	14.46	74.2	62.18	0 <sup>B</sup>	29.39
8	251	1300	14.08	261.2	13.89	75.4	59.99	0 <sup>B</sup>	29.38
8	251	1400	11.76	270.8	14.62	75.2	59.58	0 <sup>B</sup>	29.37
8	251	1500	8.83	319	21.66	74.1	63.9	0 <sup>B</sup>	29.36
8	251	1600	5.406	9.99	22.57	74.3 <sup>(4)</sup>	67.44	0 <sup>B</sup>	29.35
8	251	1700	10.44	7.07	18.37	63.53 <sup>(4)</sup>	92.9	0 <sup>B</sup>	29.35
8	251	1800	4.811	105.7	25.47	62.54	99.8	0 <sup>B</sup>	29.33
8	251	1900	2.52	139.6	20.52	60.92	100.3	0 <sup>B</sup>	29.33
8	251	2000	4.245	151.7	9.67	60.75	100.3	0 <sup>B</sup>	29.33
8	251	2100	5.337	171.1	13.3	61.11	100.4	0 <sup>B</sup>	29.33
8	251	2200	7.31	175	8.16	61.82	100.4	0 <sup>B</sup>	29.32
8	251	2300	8.7	177.1	8.31	62.04	98.9	0 <sup>B</sup>	29.31
9	252	0	8.18	172	11.25	63.31	88.6	0 <sup>B</sup>	29.31
9	252	100	7.19	176.4	10.33	63.99	89.4	0 <sup>B</sup>	29.3
9	252	200	5.716	326	57.1	63.64	87.7	0 <sup>B</sup>	29.31
9	252	300	5.387	181	18.36	61.2	92.4	0 <sup>B</sup>	29.28
9	252	400	7.66	171.9	8.82	61.37	93.4	0 <sup>B</sup>	29.27
9	252	500	6.768	182.6	11.52	61.27	98.7	0 <sup>B</sup>	29.28
9	252	600	6.684	214.6	12.84	61.68	97.7	0 <sup>B</sup>	29.27
9	252	700	6.128	259.7	28.37	61.89	98.6	0 <sup>B</sup>	29.3
9	252	800	5.815	256.7	14.96	63.44	97.1	0 <sup>B</sup>	29.32
9	252	900	9.83	282.2	17.44	67.27	85.3	0 <sup>B</sup>	29.37
9	252	1000	8.74	281.4	19.42	69.45	69.15	0 <sup>B</sup>	29.38
9	252	1100	8.73	266.7	20.45	72	56.17	0 <sup>B</sup>	29.38

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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
9	252	1200	10.07	306.6	19.83	73.3	55.51	0 <sup>B</sup>	29.38
9	252	1300	9.82	317.9	18.1	71.3	62.73	0 <sup>B</sup>	29.37
9	252	1400	9.9	312.1	15.85	73.2	58.04	0 <sup>B</sup>	29.36
9	252	1500	10.59	325.2	17.25	72.7	58.41	0 <sup>B</sup>	29.35
9	252	1600	11.09	350.3	13.46	70.6	60.27	0 <sup>B</sup>	29.34
9	252	1700	9.06	351.6	11.97	69.32 <sup>(4)</sup>	61.58	0 <sup>B</sup>	29.35
9	252	1800	7.32	349.7	7.8	64.02 <sup>(4)</sup>	70.3	0 <sup>B</sup>	29.34
9	252	1900	6.254	351.5	7.76	60.14	84	0 <sup>B</sup>	29.33
9	252	2000	5.561	338.8	9.86	59.87	83.5	0 <sup>B</sup>	29.35
9	252	2100	4.595	320.3	11.11	57.61	90.2	0 <sup>B</sup>	29.36
9	252	2200	4.683	312.4	12.7	57.35	88.9	0 <sup>B</sup>	29.37
9	252	2300	6.124	310.1	15.03	57.85	81.9	0 <sup>B</sup>	29.38
10	253	0	5.436	312.9	12.36	56.17	88	0 <sup>B</sup>	29.39
10	253	100	4.44	343.4	14.38	53.83	97.7	0 <sup>B</sup>	29.39
10	253	200	3.694	335.5	8.72	51.88	100.3	0 <sup>B</sup>	29.39
10	253	300	3.297	350.3	14.54	50.21	100.3	0 <sup>B</sup>	29.39
10	253	400	2.675	341.2	10.69	48.65	100.4	0 <sup>B</sup>	29.4
10	253	500	2.119	347.5	7.02	44.87	100.3	0 <sup>B</sup>	29.4
10	253	600	3.124	322.9	9.31	44.89	100.4	0 <sup>B</sup>	29.42
10	253	700	3.328	318.3	11.23	48.68 <sup>(4)</sup>	100.4	0 <sup>B</sup>	29.45
10	253	800	6.69	316.9	14.9	55.66 <sup>(4)</sup>	89.7	0 <sup>B</sup>	29.51
10	253	900	9.53	326.5	16.25	58.46	80.9	0 <sup>B</sup>	29.54
10	253	1000	10.22	315.7	19.58	59.62	73.8	0.01 <sup>B</sup>	29.54
10	253	1100	11.12	325.8	18.2	60.46	66.31	0 <sup>B</sup>	29.55
10	253	1200	11.06	325.9	20.09	61.25	64.57	0 <sup>B</sup>	29.54
10	253	1300	12.26	319	16.69	62.39	58.97	0 <sup>B</sup>	29.55
10	253	1400	12.39	327.8	17.49	63.52	56.61	0 <sup>B</sup>	29.55
10	253	1500	12.9	329.4	16.95	62.52	56.9	0 <sup>B</sup>	29.54
10	253	1600	11.25	336.1	19.7	61.53	58.97	0 <sup>B</sup>	29.54
10	253	1700	10.1	340.4	13.11	61.1	60.82	0 <sup>B</sup>	29.53
10	253	1800	7.83	323.4	15.25	60.42 <sup>(4)</sup>	61.97	0 <sup>B</sup>	29.54
10	253	1900	4.527	340	10.68	54.35 <sup>(4)</sup>	76.4	0 <sup>B</sup>	29.51
10	253	2000	0.702	0.419	5.431	49.35	98.3	0 <sup>B</sup>	29.49
10	253	2100	3.009	274.3	17.85	51.85	98	0 <sup>B</sup>	29.51
10	253	2200	3.061	287.9	13.41	52.78	93	0 <sup>B</sup>	29.51
10	253	2300	3.416	282	11.65	51.68	95.8	0 <sup>B</sup>	29.5
11	254	0	3.681	286.9	19.03	52.72	95.5	0 <sup>B</sup>	29.51
11	254	100	4.708	320.1	10.89	53.42	95	0 <sup>B</sup>	29.53
11	254	200	3.701	328.7	11	52.54	99.8	0 <sup>B</sup>	29.52
11	254	300	5.169	332.8	11.06	52.88	96.1	0 <sup>B</sup>	29.52
11	254	400	3.995	320.1	11.04	52.4	95.9	0 <sup>B</sup>	29.52
11	254	500	5.066	316.6	12.86	52.97	93.2	0 <sup>B</sup>	29.53
11	254	600	4.699	316.5	12.14	51.48	97.3	0 <sup>B</sup>	29.54
11	254	700	5.071	320.2	11.85	50.99	99.5	0 <sup>B</sup>	29.56
11	254	800	8.7	319	14.57	55.58	90.8	0 <sup>B</sup>	29.59
11	254	900	10.5	327.5	15.93	57.43	83.4	0 <sup>B</sup>	29.6
11	254	1000	9.43	325.8	15.15	57.63	76.7	0 <sup>B</sup>	29.6
11	254	1100	9.45	329.2	15.28	57.4	74.7	0 <sup>B</sup>	29.6
11	254	1200	10.59	332.1	15.64	58.99	70.3	0 <sup>B</sup>	29.6
11	254	1300	10.55	321.9	16.3	60.17	68.39	0 <sup>B</sup>	29.61
11	254	1400	10.33	325.6	16.82	60.48	68.46	0 <sup>B</sup>	29.6
11	254	1500	10.15	320.7	15.11	60.77	68.73	0 <sup>B</sup>	29.59
11	254	1600	9.32	324	16.58	61.41	69.86	0 <sup>B</sup>	29.59
11	254	1700	8.28	312.2	16.5	61.11	69.41	0 <sup>B</sup>	29.58
11	254	1800	6.382	329.6	14.16	58.58	76.6	0 <sup>B</sup>	29.56
11	254	1900	3.484	303.1	12.21	53.85 <sup>(4)</sup>	88.1	0 <sup>B</sup>	29.54
11	254	2000	1.678	323.2	15.9	47.53 <sup>(4)</sup>	99.9	0 <sup>B</sup>	29.52
11	254	2100	2.214	169.6	9.21	44.17	100.3	0 <sup>B</sup>	29.52

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
11	254	2200	1.592	177.6	18.5	44.92	100.4	0 <sup>B</sup>	29.53
11	254	2300	1.856	194.5	29.07	44.07	100.4	0 <sup>B</sup>	29.53
12	255	0	2.298	171.1	12.52	44.52	100.4	0 <sup>B</sup>	29.52
12	255	100	2.954	159.5	17.08	43.94	100.4	0 <sup>B</sup>	29.5
12	255	200	5.245	184.2	9.73	48.28	100.4	0 <sup>B</sup>	29.5
12	255	300	4.63	201.2	26.92	49.48	100.4	0 <sup>B</sup>	29.51
12	255	400	5.758	186.9	12.06	49.52	100.3	0 <sup>B</sup>	29.51
12	255	500	5.434	187.6	10.28	49.14	100.3	0 <sup>B</sup>	29.54
12	255	600	4.471	190.3	12.23	48.1	100.3	0 <sup>B</sup>	29.55
12	255	700	6.038	203.3	23.05	50.37	100.3	0 <sup>B</sup>	29.56
12	255	800	7.48	192.6	12.91	54.2	100.4	0 <sup>B</sup>	29.6
12	255	900	6.654	199.1	15.36	58.29	94.8	0 <sup>B</sup>	29.61
12	255	1000	5.657	196.9	23.73	62.91	82.7	0 <sup>B</sup>	29.61
12	255	1100	7.51	304.1	28.16	67.48	71.5	0 <sup>B</sup>	29.6
12	255	1200	9.23	305.2	20.03	69.4	63.3	0 <sup>B</sup>	29.58
12	255	1300	8.51	302.7	24.51	71.9	56.29	0 <sup>B</sup>	29.56
12	255	1400	7.55	308.8	20.87	71.7	63.16	0 <sup>B</sup>	29.55
12	255	1500	6.155	299.7	17.28	71.1	67.6	0 <sup>B</sup>	29.53
12	255	1600	6.122	282.5	17.71	71.4	68.56	0 <sup>B</sup>	29.51
12	255	1700	7.72	267.1	14.87	73.3	66.17	0 <sup>B</sup>	29.5
12	255	1800	5.51	270.5	13.77	71.2	72.2	0 <sup>B</sup>	29.49
12	255	1900	3.821	262.3	11.25	66.27	85.7	0 <sup>B</sup>	29.47
12	255	2000	4.492	206.4	18.9	62.28	98.3	0 <sup>B</sup>	29.45
12	255	2100	5.197	196.6	11.68	62.56	99.1	0 <sup>B</sup>	29.44
12	255	2200	5.935 <sup>(1)</sup>	183.3	8.82	61.15	100.4	0 <sup>B</sup>	29.44
12	255	2300	6.031 <sup>(1)</sup>	189.1	9.4	61.87	100.3	0 <sup>B</sup>	29.44
13	256	0	5.98 <sup>(1)</sup>	201	10.34	61.8	100.4	0 <sup>B</sup>	29.44
13	256	100	7.45	198.8	11.68	62.36	100	0 <sup>B</sup>	29.43
13	256	200	7.93	195.5	10.79	62.65	97	0 <sup>B</sup>	29.41
13	256	300	8.88	190.7	10.26	63.63	92.2	0 <sup>B</sup>	29.41
13	256	400	8.74	189.4	10.2	63.78	91	0 <sup>B</sup>	29.4
13	256	500	7.84	192.7	10.57	63.98	93.6	0 <sup>B</sup>	29.41
13	256	600	6.31	198.9	10.61	63.83	93.4	0 <sup>B</sup>	29.42
13	256	700	8	208.9	11.32	64.79	90	0 <sup>B</sup>	29.43
13	256	800	8.36	212	10.71	66.85	85.5	0 <sup>B</sup>	29.44
13	256	900	8.35	208	10.71	69.07	82.2	0 <sup>B</sup>	29.45
13	256	1000	9.04	204.9	11.16	72.6	75.6	0 <sup>B</sup>	29.47
13	256	1100	8.74	200.8	11.61	75.6	71.6	0 <sup>B</sup>	29.46
13	256	1200	6.698	240.9	19.07	79.2	65.79	0.02 <sup>B</sup>	29.45
13	256	1300	7.52	269.3	16.82	81.2	63.35	0 <sup>B</sup>	29.43
13	256	1400	9.14	251.3	15.13	81	62.56	0 <sup>B</sup>	29.4
13	256	1500	7.32	245.6	13.89	78.2	68.04	0 <sup>B</sup>	29.38
13	256	1600	6.626	263.6	15.21	77.6	69.76	0 <sup>B</sup>	29.37
13	256	1700	4.141	271.8	14.8	76.6	72.8	0 <sup>B</sup>	29.36
13	256	1800	5.434	222.7	10.79	75.2	75.8	0 <sup>B</sup>	29.34
13	256	1900	5.625	203.9	12.05	73.1	78.2	0 <sup>B</sup>	29.33
13	256	2000	7.41	189.7	9.93	72.2	79.8	0 <sup>B</sup>	29.33
13	256	2100	8.64	185.8 <sup>(2)</sup>	9.12	71.6	82	0 <sup>B</sup>	29.32
13	256	2200	9.32	186.4 <sup>(2)</sup>	8.89	71.1	83.2	0 <sup>B</sup>	29.3
13	256	2300	7.96	185.5 <sup>(2)</sup>	9.83	71.5	82	0 <sup>B</sup>	29.3
14	257	0	6.468	186 <sup>(2)</sup>	12.73	69.97	89.7	0 <sup>B</sup>	29.29
14	257	100	12.5	255.7	18.77	72.1	81.9	0 <sup>B</sup>	29.3
14	257	200	7.7	241.3	18.82	69.33	96.2	0 <sup>B</sup>	29.3
14	257	300	4.882	268.2	17.72	67.01	100.3	0 <sup>B</sup>	29.29
14	257	400	4.991	261.8	14.28	66.68	100.3	0 <sup>B</sup>	29.29
14	257	500	5.358	242	14.02	66.15	100.3	0 <sup>B</sup>	29.29
14	257	600	2.749	194.7	20.83	66.01	100.3	0 <sup>B</sup>	29.3
14	257	700	2.075	207	17.25	65.32	100.3	0 <sup>B</sup>	29.31

ASH LANDFILL  
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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
14	257	800	2.185	212.9	19.46	65.67	100.3	0 <sup>B</sup>	29.33
14	257	900	1.457	238.2	10.24	66.19	100.3	0 <sup>B</sup>	29.34
14	257	1000	3.659	253.7	22.07	67.85	100.3	0 <sup>B</sup>	29.35
14	257	1100	4.617	257.5	18.74	69.28	100.4	0 <sup>B</sup>	29.36
14	257	1200	5.753	314.8	15.06	67.93	100.3	0 <sup>B</sup>	29.37
14	257	1300	7.27	346	14.79	67.85	100.3	0 <sup>B</sup>	29.37
14	257	1400	8.16	346.3	12.74	67.65	100.3	0 <sup>B</sup>	29.38
14	257	1500	6.995	343.5	16.5	67.98	100.3	0 <sup>B</sup>	29.38
14	257	1600	5.946	334	13.86	67.95	100.3	0 <sup>B</sup>	29.39
14	257	1700	4.906	318.9	16.66	67.66	100.3	0 <sup>B</sup>	29.39
14	257	1800	3.365	303.8	14.15	67.06	100.3	0 <sup>B</sup>	29.4
14	257	1900	3.498	354.5	7.07	62.7	100.3	0 <sup>B</sup>	29.39
14	257	2000	4.929	27.25	6.277	59.82	100.3	0 <sup>B</sup>	29.39
14	257	2100	3.481	45.76	10.06	58.29	100.3	0 <sup>B</sup>	29.4
14	257	2200	2.017	12.24	13.85	56.36	100.3	0 <sup>B</sup>	29.4
14	257	2300	3.146	104.8 <sup>(2)</sup>	16.29	54.48	100.3	0 <sup>B</sup>	29.4
15	258	0	2.17	103.8 <sup>(2)</sup>	11.9	53.52	100.3	0 <sup>B</sup>	29.4
15	258	100	2.522	103.3 <sup>(2)</sup>	10.87	52.29	100.3	0 <sup>B</sup>	29.4
15	258	200	3.23	113.9	11.27	52.86	100.3	0 <sup>B</sup>	29.4
15	258	300	1.542	149.8	9.34	54.74	100.3	0 <sup>B</sup>	29.4
15	258	400	1.552	142.9	16.31	57.55	100.3	0 <sup>B</sup>	29.41
15	258	500	3.483	110.7	9.97	57.8	100.3	0 <sup>B</sup>	29.41
15	258	600	3.123	105.4	11.21	57.8	100.3	0 <sup>B</sup>	29.42
15	258	700	4.14	97.9	12.45	57.8	100.3	0 <sup>B</sup>	29.44
15	258	800	4.387	128.2	24.19	57.6	100.3	0 <sup>B</sup>	29.45
15	258	900	3.68	168.1	21.37	61.12 <sup>(4)</sup>	100.3	0 <sup>B</sup>	29.47
15	258	1000	3.392	207.7	34.57	66.2 <sup>(4)</sup>	100	0 <sup>B</sup>	29.49
15	258	1100	3.928	101.5	41.4	71.6 <sup>(4)</sup>	86.6	0 <sup>B</sup>	29.49
15	258	1200	4.101	105.7	60.08	74.2	78.1	0 <sup>B</sup>	29.49
15	258	1300	5.876	91.1	30.53	75.8	71.6	0 <sup>B</sup>	29.46
15	258	1400	4.53	103.7	55.7	76.7	68.31	0 <sup>B</sup>	29.45
15	258	1500	5.592	73.1	15.58	74.2	73.1	0 <sup>B</sup>	29.42
15	258	1600	6.324	89.4	13.06	73.8	74.6	0 <sup>B</sup>	29.42
15	258	1700	4.482	110.4	10.14	71.7	85.4	0 <sup>B</sup>	29.4
15	258	1800	5.019	103	6.867	69.74	92.8	0 <sup>B</sup>	29.39
15	258	1900	4.372 <sup>(1)</sup>	122.8	13.35	67.2	98.9	0 <sup>B</sup>	29.38
15	258	2000	4.444 <sup>(1)</sup>	122.9	7.91	66.2	100.3	0 <sup>B</sup>	29.38
15	258	2100	4.522 <sup>(1)</sup>	140.2	10.59	66.52	100.3	0 <sup>B</sup>	29.37
15	258	2200	7.31	169.4	10.12	67.02	100.3	0 <sup>B</sup>	29.37
15	258	2300	8.84	173.6	10.08	66.81	100.3	0 <sup>B</sup>	29.37
16	259	0	11.07	177.7	9.56	67.02	100.3	0 <sup>B</sup>	29.37
16	259	100	12.21	184.5	8.93	67.13	100.3	0 <sup>B</sup>	29.37
16	259	200	9.16	180.5	9.17	67.07	100.3	0 <sup>B</sup>	29.36
16	259	300	8.87	177.3	7.84	66.91	100.3	0 <sup>B</sup>	29.36
16	259	400	7.67	170.7	9.47	66.84	100.3	0 <sup>B</sup>	29.35
16	259	500	10.67	177.9	9.12	66.9	100.3	0 <sup>B</sup>	29.34
16	259	600	11.87	183	8.77	67.12	100.3	0 <sup>B</sup>	29.35
16	259	700	12.55	182.6	8.8	68.16	100.3	0 <sup>B</sup>	29.36
16	259	800	13.12	186.8	9.76	69.85	100.4	0 <sup>B</sup>	29.38
16	259	900	12.82	188.9	10.16	71.3	100.3	0 <sup>B</sup>	29.39
16	259	1000	10.89	184.5 <sup>(2)</sup>	9.64	74.5	99.6	0 <sup>B</sup>	29.4
16	259	1100	9.75	184.6 <sup>(2)</sup>	11.54	79.5	85.9	0 <sup>B</sup>	29.41
16	259	1200	8.92	185.5 <sup>(2)</sup>	14.08	82.8	73.2	0 <sup>B</sup>	29.39
16	259	1300	9.83	241.2	16.17	84.8	55.56	0 <sup>B</sup>	29.37
16	259	1400	8.93	253	15.07	84.7	54.18	0 <sup>B</sup>	29.36
16	259	1500	7.68	275.4	15.27	82.4	61.39	0 <sup>B</sup>	29.34
16	259	1600	5.523	260.3	14.82	83.2	63.03	0 <sup>B</sup>	29.32
16	259	1700	3.656	245.8	18.13	82.4	66.6	0 <sup>B</sup>	29.31

ASH LANDFILL  
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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
16	259	1800	1.525	152.4	15.11	77.9	85.5	0 <sup>B</sup>	29.3
16	259	1900	4.369	151.7	10.59	73	93.9	0 <sup>B</sup>	29.28
16	259	2000	4.602	168.6	10.68	70.5	97.2	0 <sup>B</sup>	29.27
16	259	2100	6.745	174.9	7.62	69.85	99.9	0 <sup>B</sup>	29.27
16	259	2200	8.32	181.2	7.02	68.91	100.3	0 <sup>B</sup>	29.26
16	259	2300	11.04	182.5 <sup>(2)</sup>	11.4	69.49	100.4	0 <sup>B</sup>	29.25
17	260	0	11.76	182.2 <sup>(2)</sup>	9	69.61	100.3	0 <sup>B</sup>	29.24
17	260	100	11.65	181.8 <sup>(2)</sup>	8.37	69.23	100.3	0 <sup>B</sup>	29.24
17	260	200	10.88	173.1	9.32	69.13	100.3	0 <sup>B</sup>	29.22
17	260	300	11.35	177.2	8.08	68.85	100.4	0 <sup>B</sup>	29.2
17	260	400	11.9	183.9	8.55	69.55	99.9	0 <sup>B</sup>	29.19
17	260	500	12.24	186	9.45	69.52	100.3	0 <sup>B</sup>	29.18
17	260	600	12.11	180.8	9.01	69.63	100.3	0 <sup>B</sup>	29.18
17	260	700	10.57	179.9	9.2	69.28	100.3	0 <sup>B</sup>	29.18
17	260	800	10.01	176.1	8.54	70.5	99.5	0 <sup>B</sup>	29.18
17	260	900	8.95	178	9.97	71.7	96.7	0 <sup>B</sup>	29.19
17	260	1000	8.3	191.7	10.96	72.9	94.2	0 <sup>B</sup>	29.19
17	260	1100	6.421	191.3	10.16	72.2	99.3	0 <sup>B</sup>	29.18
17	260	1200	5.614	257.7	18.6	68.94	100.3	0 <sup>B</sup>	29.17
17	260	1300	5.935	192.3	11.24	68.13	100.3	0 <sup>B</sup>	29.15
17	260	1400	6.925	193.6	12.64	69.49	100.3	0 <sup>B</sup>	29.14
17	260	1500	6.381	181.8	10.55	69.31	100.3	0 <sup>B</sup>	29.13
17	260	1600	5.867	176.8	11.77	68.67	100.3	0 <sup>B</sup>	29.11
17	260	1700	4.776	197.4	12	68.71	100.3	0 <sup>B</sup>	29.11
17	260	1800	4.282	288.5	18.71	68.52	100.3	0 <sup>B</sup>	29.11
17	260	1900	4.971	307.7	13.31	67.16	100.3	0 <sup>B</sup>	29.11
17	260	2000	2.018	316.7	26.43	64.76	100.3	0 <sup>B</sup>	29.12
17	260	2100	4.762	294.9	15.48	65.17	100.3	0 <sup>B</sup>	29.12
17	260	2200	7.17	333.5	12.06	64.82	100.3	0 <sup>B</sup>	29.13
17	260	2300	6.062	353.5	11.6	63.19	100.3	0 <sup>B</sup>	29.13
18	261	0	7.03	348.3	13.65	61.37	100.3	0 <sup>B</sup>	29.14
18	261	100	11.56	352.3	12.14	57.96	100.3	0 <sup>B</sup>	29.17
18	261	200	9.3	338.7	11.18	56.09	100.3	0 <sup>B</sup>	29.18
18	261	300	8.07	334.4	10.69	54.95	100.3	0 <sup>B</sup>	29.19
18	261	400	6.173	332.9	10.26	52.93	100.3	0 <sup>B</sup>	29.19
18	261	500	5.704	331.2	10.38	51.38	100.3	0 <sup>B</sup>	29.21
18	261	600	5.704	339.7	9.9	51.33	100.3	0 <sup>B</sup>	29.24
18	261	700	4.781	340.9	9.48	50.92 <sup>(4)</sup>	100.3	0 <sup>B</sup>	29.27
18	261	800	6.891	331	13.75	55.96 <sup>(4)</sup>	97.1	0 <sup>B</sup>	29.32
18	261	900	10.18	334.8	15.82	58.47	83.2	0 <sup>B</sup>	29.34
18	261	1000	9.35	323.5	16.05	59.35	79	0 <sup>B</sup>	29.35
18	261	1100	9.26	315	18.1	61.67	75.2	0 <sup>B</sup>	29.35
18	261	1200	10.1	301.7	19.08	62.65	71.2	0 <sup>B</sup>	29.34
18	261	1300	11.28	310.7	18.78	64.83	65.06	0 <sup>B</sup>	29.34
18	261	1400	11.89	303.8	19.15	65.6	62.25	0 <sup>B</sup>	29.34
18	261	1500	11.72	309.1	16.02	64.64	63.9	0 <sup>B</sup>	29.32
18	261	1600	9.19	329.2	17.67	64.56	66.82	0 <sup>B</sup>	29.33
18	261	1700	5.926	328	15.42	64.46	69.53	0 <sup>B</sup>	29.32
18	261	1800	1.598	314.4	12.1	63.67 <sup>(4)</sup>	74.9	0 <sup>B</sup>	29.31
18	261	1900	1.79	98.1	11.49	54.09 <sup>(4)</sup>	99.4	0 <sup>B</sup>	29.28
18	261	2000	2.544	165.8	13.93	54.76	100.3	0 <sup>B</sup>	29.28
18	261	2100	4.343	192.3	11.03	56.42	100.3	0 <sup>B</sup>	29.28
18	261	2200	5.094	194.1	11.81	56.03	100.3	0 <sup>B</sup>	29.28
18	261	2300	4.448	188.6	12.46	53.36	100.3	0 <sup>B</sup>	29.28
19	262	0	3.695	245.8	14.5	53.04	100.3	0 <sup>B</sup>	29.28
19	262	100	3.42	257.3	16.53	53.14	100.3	0 <sup>B</sup>	29.28
19	262	200	5.392	166.3	11.79	52.31	100.3	0 <sup>B</sup>	29.28
19	262	300	4.931	194.2	14.05	53.4	100.4	0 <sup>B</sup>	29.29



ASH LANDFILL  
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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
19	262	400	4.831	217.7	13.73	53.08	100.4	O <sup>B</sup>	29.3
19	262	500	5.211	262.1	15.32	54.24	100.4	O <sup>B</sup>	29.32
19	262	600	6.125	278	17.58	54.6	100.3	O <sup>B</sup>	29.34
19	262	700	6.573	280.4	18.51	55.28	100.3	O <sup>B</sup>	29.37
19	262	800	7.99	261.8	39.96	57.8	98.5	O <sup>B</sup>	29.4
19	262	900	11.71	135.9	7.87	60.32	77.5	O <sup>B</sup>	29.44
19	262	1000	13.02	137.6	8.95	61.83	67.69	O <sup>B</sup>	29.46
19	262	1100	14.21	145.6	7.79	62.65	67.29	O <sup>B</sup>	29.47
19	262	1200	13.83	141.5	7.93	62.76	63.48	O <sup>B</sup>	29.47
19	262	1300	13.41	141	7.24	63.85	57.11	O <sup>B</sup>	29.47
19	262	1400	12.95	143.4	8.04	64.25	58.03	O <sup>B</sup>	29.47
19	262	1500	11.04	143.3	5.923	65.29	57.04	O <sup>B</sup>	29.47
19	262	1600	8.48	138.8	4.514	66.56	54.15	O <sup>B</sup>	29.46
19	262	1700	8.98	136.9	4.865	66.11	54.55	O <sup>B</sup>	29.47
19	262	1800	5.605	138.5 <sup>(2)</sup>	2.147	64.52 <sup>(4)</sup>	59.17	O <sup>B</sup>	29.46
19	262	1900	3.278	138.5 <sup>(2)</sup>	0	56.53 <sup>(4)</sup>	83.1	O <sup>B</sup>	29.43
19	262	2000	3.284	138.2 <sup>(2)</sup>	0	52	99.6	O <sup>B</sup>	29.41
19	262	2100	5.186	136.5	0.659	53.27	99.7	O <sup>B</sup>	29.42
19	262	2200	4.572	133.8	0.205	53.71	94.5	O <sup>B</sup>	29.43
19	262	2300	5.879	131.7	2.163	53.63	93.4	O <sup>B</sup>	29.44
20	263	0	3.404	132	0	51.37	99.1	O <sup>B</sup>	29.45
20	263	100	5.241	129.5	3.845	52.06	100.3	O <sup>B</sup>	29.45
20	263	200	6.377	125.5	5.738	53.96	100.3	O <sup>B</sup>	29.46
20	263	300	6.11	129.6	9.5	52.54	100.3	O <sup>B</sup>	29.46
20	263	400	6.611	130.4	5.464	51.99	100.3	O <sup>B</sup>	29.46
20	263	500	8.43	115.1	11.16	52.89	100.3	O <sup>B</sup>	29.48
20	263	600	8.81	111.5	10.05	52.77	100.4	O <sup>B</sup>	29.49
20	263	700	9.25	108.1	11.56	53.24	100.3	O <sup>B</sup>	29.52
20	263	800	10.14	100.5	14.52	55.86	100.3	O <sup>B</sup>	29.54
20	263	900	11.05	93	14.62	59.54	99	O <sup>B</sup>	29.56
20	263	1000	9.35	108.3	9.54	64.43	86.2	O <sup>B</sup>	29.58
20	263	1100	6.506	126.9	5.779	69.33	73	O <sup>B</sup>	29.58
20	263	1200	5.323	132 <sup>(2)</sup>	3.604	73.7	54.45	O <sup>B</sup>	29.57
20	263	1300	4.891	132.9 <sup>(2)</sup>	4.735	75.5	50.89	O <sup>B</sup>	29.55
20	263	1400	5.223	133.5 <sup>(2)</sup>	2.576	77	45.36	O <sup>B</sup>	29.53
20	263	1500	4.968	129.3	2.565	77.6	42.32	O <sup>B</sup>	29.51
20	263	1600	4.054	136.1	0.915	78.2	40.85	O <sup>B</sup>	29.5
20	263	1700	3.649	140.5	0.554	77.5	40.84	O <sup>B</sup>	29.5
20	263	1800	2.484	142.3	0	73.5 <sup>(4)</sup>	58.74	O <sup>B</sup>	29.5
20	263	1900	3.778	145.3	0.604	58.44 <sup>(4)</sup>	98.2	O <sup>B</sup>	29.46
20	263	2000	3.813	151.3	0	54.38	100.3	O <sup>B</sup>	29.45
20	263	2100	4.012	148.5	0.786	54.49	100	O <sup>B</sup>	29.45
20	263	2200	4.991	139.6	0	56.89	100.3	O <sup>B</sup>	29.46
20	263	2300	6.217	133.9	2.442	55.94	100.3	O <sup>B</sup>	29.46
21	264	0	8.02	119.3	6.456	56.06	100.3	O <sup>B</sup>	29.47
21	264	100	8.34	114.7	7.42	56.31	100.3	O <sup>B</sup>	29.47
21	264	200	5.537	132.3	1.769	55	100.3	O <sup>B</sup>	29.46
21	264	300	5.264	135.5	1.462	54.25	100.3	O <sup>B</sup>	29.46
21	264	400	6.842 <sup>(1)</sup>	125.6	6.88	54.43	100.3	O <sup>B</sup>	29.46
21	264	500	6.748 <sup>(1)</sup>	128.8	6.025	53.57	100.3	O <sup>B</sup>	29.47
21	264	600	6.796 <sup>(1)</sup>	130.3	6.028	53.31	100.3	O <sup>B</sup>	29.48
21	264	700	9.76	104.1	11.59	54.68	100.3	O <sup>B</sup>	29.51
21	264	800	10.87	93.5	15.09	57	100.3	O <sup>B</sup>	29.53
21	264	900	10.65	94.2	17.13	60.71 <sup>(4)</sup>	97.2	O <sup>B</sup>	29.55
21	264	1000	7.39	121.9	7.86	66.43 <sup>(4)</sup>	81.8	O <sup>B</sup>	29.57
21	264	1100	4.831	132.4	0.825	72.4 <sup>(4)</sup>	69.97	O <sup>B</sup>	29.58
21	264	1200	5.237	134.4	4.998	77.1 <sup>(4)</sup>	58.8	O <sup>B</sup>	29.57
21	264	1300	7.03	122.2	8.49	78.2	55.12	O <sup>B</sup>	29.56

ASH LANDFILL  
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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
21	264	1400	6.244	127.8	6.116	79.1	53	0 <sup>B</sup>	29.54
21	264	1500	5.224	130.1	6.135	79.7	52.22	0 <sup>B</sup>	29.52
21	264	1600	4.652	140.9	7.26	79.9	51.86	0 <sup>B</sup>	29.51
21	264	1700	5.378	154	8.73	78.5	52.64	0 <sup>B</sup>	29.5
21	264	1800	4.799	161.1	1.352	74.5 <sup>(4)</sup>	63.56	0 <sup>B</sup>	29.49
21	264	1900	5.974	163.6	7.27	62.95 <sup>(4)</sup>	92.1	0 <sup>B</sup>	29.47
21	264	2000	5.497	170.6	0.588	60.34	94.5	0 <sup>B</sup>	29.45
21	264	2100	3.972	168	2.23	56.63	100.3	0 <sup>B</sup>	29.45
21	264	2200	3.586	161.5	0	57.58	100.3	0 <sup>B</sup>	29.45
21	264	2300	3.529	161.4	0	55.7	100.3	0 <sup>B</sup>	29.44
22	265	0	4.572	156.2	0.75	57.16	100.3	0 <sup>B</sup>	29.45
22	265	100	4	154.1	0.081	56.19	100.3	0 <sup>B</sup>	29.44
22	265	200	4.344	155	0.852	54.15	100.3	0 <sup>B</sup>	29.44
22	265	300	4.897	150.2	1.303	54.63	100.3	0 <sup>B</sup>	29.44
22	265	400	5	155	0.805	52.18	100.3	0 <sup>B</sup>	29.43
22	265	500	4.212	154.6	0.032	53.52	100.4	0 <sup>B</sup>	29.44
22	265	600	5.185	157.7	1.169	52.82	100.3	0 <sup>B</sup>	29.44
22	265	700	5.702	166.1	4.931	53.21	100.3	0 <sup>B</sup>	29.45
22	265	800	5.496	163.6	4.509	58.09	100.3	0 <sup>B</sup>	29.48
22	265	900	5.073	155.2	3.617	61.28	100	0 <sup>B</sup>	29.5
22	265	1000	5.578	134	3.737	65.24	90.9	0 <sup>B</sup>	29.52
22	265	1100	6.779	128.6	11.32	68.83	80	0 <sup>B</sup>	29.52
22	265	1200	10.94	144.7	41.08	72.2	67.46	0 <sup>B</sup>	29.52
22	265	1300	11.36	220.3	39.72	71.3	62.85	0 <sup>B</sup>	29.5
22	265	1400	11.53	222.1	45.33	70.7	59.83	0 <sup>B</sup>	29.5
22	265	1500	10.38	178.3	39.88	69.49	59.68	0 <sup>B</sup>	29.49
22	265	1600	7.19	142.7	10.68	68.08	62	0 <sup>B</sup>	29.48
22	265	1700	7.86	180.7	10.96	67.7	67.69	0 <sup>B</sup>	29.48
22	265	1800	7.12	176.9	10.23	64.59	73.9	0 <sup>B</sup>	29.46
22	265	1900	4.837	153.7	0	61.89	85.4	0 <sup>B</sup>	29.44
22	265	2000	4.034	154	0	60.13	94.9	0 <sup>B</sup>	29.43
22	265	2100	3.854	156.3	1.276	57.89	99.7	0 <sup>B</sup>	29.42
22	265	2200	5.929	171.2	5.779	60.27	87.8	0 <sup>B</sup>	29.41
22	265	2300	5.579	170.4	7.93	59.89	89.1	0 <sup>B</sup>	29.41
23	266	0	4.164	160 <sup>(3)</sup>	1.814	57.43	99.6	0 <sup>B</sup>	29.4
23	266	100	1.97	159.1 <sup>(3)</sup>	0	55.19	100.3	0 <sup>B</sup>	29.39
23	266	200	3.977	159.1 <sup>(3)</sup>	0	54.6	100.3	0 <sup>B</sup>	29.37
23	266	300	4.996	158.6 <sup>(3)</sup>	0.131	54.75	100.3	0 <sup>B</sup>	29.34
23	266	400	5.428	156.5 <sup>(3)</sup>	0.463	54.47	100.3	0 <sup>B</sup>	29.33
23	266	500	8.01	161.3 <sup>(3)</sup>	3.267	53.86	100.3	0 <sup>B</sup>	29.31
23	266	600	8.01	159.9 <sup>(3)</sup>	2.276	52.88	100.3	0 <sup>B</sup>	29.31
23	266	700	7.34	159.3 <sup>(3)</sup>	2.521	52.7	100.3	0 <sup>B</sup>	29.31
23	266	800	8.2	162.4 <sup>(3)</sup>	3.847	53.86	100.3	0 <sup>B</sup>	29.31
23	266	900	9.58	165.9 <sup>(3)</sup>	4.921	55.86	100.3	0 <sup>B</sup>	29.31
23	266	1000	9.03	160.4 <sup>(3)</sup>	3.507	56.51	100.3	0 <sup>B</sup>	29.31
23	266	1100	7.75	155 <sup>(3)</sup>	2.559	57.38	100.3	0 <sup>B</sup>	29.31
23	266	1200	8.61	159.7 <sup>(3)</sup>	3.618	58.91	100.3	0 <sup>B</sup>	29.31
23	266	1300	9.37	161.4 <sup>(3)</sup>	4.488	60.39	100.3	0 <sup>B</sup>	29.31
23	266	1400	8.97	163.1 <sup>(3)</sup>	4.89	61.95	100.4	0 <sup>B</sup>	29.3
23	266	1500	8.44	159.6 <sup>(3)</sup>	3.861	62.2	100.3	1.81 <sup>B</sup>	29.29
23	266	1600	8.55	157.2 <sup>(3)</sup>	3.927	62.19	100.3	0	29.29
23	266	1700	7.84	159.1 <sup>(3)</sup>	2.787	62.08	100.3	0	29.29
23	266	1800	5.341	155.7 <sup>(3)</sup>	1.044	61.57	100.3	0	29.3
23	266	1900	4.178	155 <sup>(3)</sup>	0	60.63	100.4	0	29.31
23	266	2000	3.645	155 <sup>(3)</sup>	0	59.99	100.4	0	29.32
23	266	2100	5.416	155.7 <sup>(3)</sup>	0.816	60.05	100.3	0	29.32
23	266	2200	6.47	158.8 <sup>(3)</sup>	1.525	60.06	100.4	0	29.31
23	266	2300	5.301	157.2 <sup>(3)</sup>	0.34	59.83	100.4	0	29.31

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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
24	267	0	2.987	156 <sup>(3)</sup>	0	59.62	100.3	0	29.32
24	267	100	3.561	156 <sup>(3)</sup>	0	59.41	100.3	0	29.32
24	267	200	2.45	156 <sup>(3)</sup>	0	59.23	100.3	0	29.33
24	267	300	2.667	156 <sup>(3)</sup>	0	58.95	100.3	0	29.32
24	267	400	2.242	156 <sup>(3)</sup>	0	58.79	100.3	0	29.33
24	267	500	1.847	155.9 <sup>(3)</sup>	0	56.72	100.3	0	29.33
24	267	600	2.066	155.9 <sup>(3)</sup>	0	57.64	100.3	0	29.35
24	267	700	3.571	155.9 <sup>(3)</sup>	0	58.85	100.3	0	29.36
24	267	800	3.642	155.5 <sup>(3)</sup>	0	61.33	100.3	0	29.38
24	267	900	1.767	155.5 <sup>(3)</sup>	0	62.7	100.4	0	29.4
24	267	1000	2.514	155.4 <sup>(3)</sup>	0	62.85	100.3	0	29.4
24	267	1100	1.684	155.4 <sup>(3)</sup>	0	64.3	100.3	0	29.4
24	267	1200	2.993	144.3 <sup>(3)</sup>	3.763	66.25	99.3	0	29.41
24	267	1300	4.9	144 <sup>(3)</sup>	4.227	65.53	100	0	29.4
24	267	1400	2.38	154.8 <sup>(3)</sup>	4.446	68.06	90.9	0	29.39
24	267	1500	5.748	133.8 <sup>(3)</sup>	8.06	65.79	98.6	0	29.39
24	267	1600	4.487	136.9 <sup>(3)</sup>	4.343	65.21	100.2	0	29.38
24	267	1700	3.375	145.5 <sup>(3)</sup>	1.287	64.99	100.1	0	29.38
24	267	1800	1.977	148.9 <sup>(3)</sup>	1.089	64.22	100.3	0	29.37
24	267	1900	1.339	151 <sup>(3)</sup>	0	62.39	100.3	0	29.37
24	267	2000	3.639	151 <sup>(3)</sup>	0	61.7	100.3	0	29.37
24	267	2100	1.278	151 <sup>(3)</sup>	0	61.18	100.3	0	29.37
24	267	2200	2.508	151 <sup>(3)</sup>	0	60.74	100.4	0	29.36
24	267	2300	3.122	151 <sup>(3)</sup>	0	58.9	100.3	0	29.35
25	268	0	3.656	150.1 <sup>(3)</sup>	0.316	60.05	100.3	0	29.35
25	268	100	3.546	149.8 <sup>(3)</sup>	0	60.41	100.3	0	29.34
25	268	200	4.089	152 <sup>(3)</sup>	0.829	59.55	100.3	0	29.32
25	268	300	4.657	155 <sup>(3)</sup>	0.579	59.38	100.3	0	29.32
25	268	400	5.116	162.9 <sup>(3)</sup>	1.181	59.84	100.3	0	29.3
25	268	500	3.373	164.8 <sup>(3)</sup>	0	59.46	100.3	0	29.3
25	268	600	4.314	152 <sup>(3)</sup>	2.456	59.36	100.3	0	29.3
25	268	700	5.506	154.1 <sup>(3)</sup>	0.819	59.33	100.3	0	29.3
25	268	800	4.542	149.2 <sup>(3)</sup>	1.298	61.54	100.3	0	29.3
25	268	900	9.08	114.5 <sup>(3)</sup>	17.15	65.04	100.4	0	29.32
25	268	1000	10.56	97.7 <sup>(3)</sup>	15.84	65.52	100.3	0	29.32
25	268	1100	7.85	125.2 <sup>(3)</sup>	12.92	67.3	100.4	0	29.31
25	268	1200	8.34	119.4 <sup>(3)</sup>	16.72	69.54	98.9	0	29.31
25	268	1300	7.83	126.5 <sup>(3)</sup>	14.52	70.2	98.9	0	29.29
25	268	1400	8.48	116.2 <sup>(3)</sup>	10.7	69.32	100.4	0	29.27
25	268	1500	7.08	128.5 <sup>(3)</sup>	9.48	69.76	100.3	0	29.25
25	268	1600	5.39	140.8 <sup>(3)</sup>	2.81	70.1	100.3	0	29.23
25	268	1700	4.842	140.8 <sup>(3)</sup>	5.97	69.07	100.3	0	29.22
25	268	1800	6.79	170.8 <sup>(3)</sup>	7.41	67.2	100.3	0	29.21
25	268	1900	6.588	171.3 <sup>(3)</sup>	3.535	64.5	100.3	0	29.19
25	268	2000	4.812	157.6 <sup>(3)</sup>	2.599	64.04	100.3	0	29.19
25	268	2100	6.988	167 <sup>(3)</sup>	6.628	65.23	100.3	0	29.19
25	268	2200	3.72	155.7 <sup>(3)</sup>	4.264	63.84	100.3	0	29.18
25	268	2300	4.596	151.4 <sup>(3)</sup>	0	63.75	100.3	0	29.18
26	269	0	7.43	167.5 <sup>(3)</sup>	10.39	63.79	100.4	0	29.17
26	269	100	4.687	159.1 <sup>(3)</sup>	5.041	63.51	100.4	0	29.17
26	269	200	6.518	148.2 <sup>(3)</sup>	6.45	64.54	100.3	0	29.16
26	269	300	5.297	150.9 <sup>(3)</sup>	2.553	64.9	100.3	0	29.16
26	269	400	4.847	159.8 <sup>(3)</sup>	1.373	64.21	100.3	0	29.15
26	269	500	5.788	167.8 <sup>(3)</sup>	3.308	63.39	100.3	0	29.14
26	269	600	8.67	191 <sup>(3)</sup>	7.87	65.1	100.3	0	29.14
26	269	700	10.34	207.6 <sup>(3)</sup>	19.79	66.06	100.3	0	29.15
26	269	800	7.94	169.6 <sup>(3)</sup>	12.81	66.44	100.3	0	29.17
26	269	900	7.9	157 <sup>(3)</sup>	37.1	65.21	100.3	0.09	29.19

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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
26	269	1000	9.99	200.5 <sup>(3)</sup>	22.72	64.9 <sup>(4)</sup>	100.3	0.01	29.17
26	269	1100	10.46	199.2 <sup>(3)</sup>	57.99	70.2 <sup>(4)</sup>	99.5	0	29.18
26	269	1200	10.12	174.6 <sup>(3)</sup>	57.75	72.5	97.6	0	29.19
26	269	1300	10.41	152.8 <sup>(3)</sup>	38.02	72.7	95.1	0	29.17
26	269	1400	12.59	241.4 <sup>(3)</sup>	74.5	73.9	89.4	0	29.15
26	269	1500	10.65	183.4 <sup>(3)</sup>	70.1	73.9	89.5	0	29.14
26	269	1600	10.75	193.5 <sup>(3)</sup>	59.13	74.8	88.2	0	29.14
26	269	1700	11.73	226.7 <sup>(3)</sup>	34.88	71.6	95.1	0	29.14
26	269	1800	12.83	240.9 <sup>(3)</sup>	34.06	68.95	99.5	0	29.14
26	269	1900	7.77	168 <sup>(3)</sup>	25.28	67.95	100.3	0	29.15
26	269	2000	5.807	166.4 <sup>(3)</sup>	10.28	66.31	100.3	0	29.16
26	269	2100	5.612	164.1 <sup>(3)</sup>	7.94	65.56	100.3	0	29.15
26	269	2200	5.325	161.9 <sup>(3)</sup>	3.351	65.13	100.3	0.02	29.14
26	269	2300	10.03	198.2 <sup>(3)</sup>	21.01	64.74	100.3	0.14	29.13
27	270	0	13.26	234.5 <sup>(3)</sup>	24.74	64.38	100.3	0	29.11
27	270	100	12.38	227.4 <sup>(3)</sup>	27.65	63.66	100.3	0	29.11
27	270	200	8.86	177.5 <sup>(3)</sup>	16.82	62.51	100.3	0.18	29.1
27	270	300	10.52	197.9 <sup>(3)</sup>	10.4	62.42	100.3	0.01	29.07
27	270	400	11.01	213.1 <sup>(3)</sup>	31.53	63.35	100.4	0.09	29.07
27	270	500	6.713	172.1 <sup>(3)</sup>	15.07	63.15	100.3	0	29.07
27	270	600	6.517	156.1 <sup>(3)</sup>	12.86	63.38	100.4	0	29.06
27	270	700	9.22	184.4 <sup>(3)</sup>	29.6	63.31	100.4	0	29.06
27	270	800	10.26	206.7 <sup>(3)</sup>	26.59	65.07	100.3	0	29.07
27	270	900	9.57	187.1 <sup>(3)</sup>	33.86	68.18	100.3	0	29.08
27	270	1000	9.32	110.3 <sup>(3)</sup>	23.43	67.1	100.3	0.18	29.08
27	270	1100	9.04	113.3 <sup>(3)</sup>	22.83	68.53	99.8	0	29.05
27	270	1200	14.01	60.94 <sup>(3)</sup>	26.54	73.5	87.1	0	29.06
27	270	1300	12.28	81.8 <sup>(3)</sup>	20.4	73.8	79.3	0	29.04
27	270	1400	14.46	60.88 <sup>(3)</sup>	30.69	71.6	83.9	0.02	29.02
27	270	1500	12.24	66.07 <sup>(3)</sup>	36.16	71	89.5	0	29.01
27	270	1600	10.35	95.8 <sup>(3)</sup>	19.06	68.49	96.8	0	29.01
27	270	1700	10.27	103.2 <sup>(3)</sup>	13.33	70	85.4	0	29
27	270	1800	9.2	109.6 <sup>(3)</sup>	10.16	67.82	77.3	0	29.02
27	270	1900	9.03	112.9 <sup>(3)</sup>	10.08	64.99	75.5	0	29.03
27	270	2000	8.34	119.8 <sup>(3)</sup>	8.03	63.59	77.1	0	29.05
27	270	2100	8.42	120.8 <sup>(3)</sup>	8.18	60.59	87	0	29.06
27	270	2200	6.5	126.9 <sup>(3)</sup>	4.178	58.12	97.1	0	29.06
27	270	2300	7.26	122.9 <sup>(3)</sup>	10.71	57.42	100.1	0	29.05
28	271	0	8.12	115.9 <sup>(3)</sup>	8.94	57.92	99.6	0	29.04
28	271	100	8.26	115.8 <sup>(3)</sup>	11.4	56.66	100.3	0	29.04
28	271	200	10.44	97.7 <sup>(3)</sup>	14.22	56.92	99.8	0	29.04
28	271	300	8.69	112.4 <sup>(3)</sup>	12.09	55.63	99.6	0	29.03
28	271	400	11.28	100.5 <sup>(3)</sup>	16.55	56.93	93.5	0	29.02
28	271	500	8.93	111 <sup>(3)</sup>	10.44	56.33	98.3	0	29.03
28	271	600	10.27	96 <sup>(3)</sup>	12.47	56.06	98.3	0	29.03
28	271	700	11.61	87.3 <sup>(3)</sup>	17.85	56.53	93.3	0	29.04
28	271	800	12.53	78.9 <sup>(3)</sup>	23.62	57.99	89	0	29.06
28	271	900	12.56	80.7 <sup>(3)</sup>	20.19	59.33	85.5	0	29.06
28	271	1000	12.15	87.5 <sup>(3)</sup>	20.89	59.51	84.3	0	29.06
28	271	1100	10.91	98.5 <sup>(3)</sup>	14.42	56.2	97	0.03	29.04
28	271	1200	11.77	83.4 <sup>(3)</sup>	18.13	54.62	100.3	0.07	29.03
28	271	1300	10.6	82.8 <sup>(3)</sup>	21.81	54.08	100.3	0.06	29
28	271	1400	10.64	79.2 <sup>(3)</sup>	32.43	54.83	100.3	0	28.98
28	271	1500	13.41	61.39 <sup>(3)</sup>	26.14	58.32	100.2	0	28.97
28	271	1600	11.57	84.1 <sup>(3)</sup>	17.64	57.98	100.3	0	28.95
28	271	1700	10.56	97.8 <sup>(3)</sup>	15.57	59.16	95	0	28.94
28	271	1800	12.4	86.4 <sup>(3)</sup>	16.66	56.23	93.4	0	28.92
28	271	1900	10.48	106.4 <sup>(3)</sup>	13.45	54.94	99.5	0	28.92

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
28	271	2000	9.14	113 <sup>(3)</sup>	10.82	52.63	100.3	0	28.93
28	271	2100	10.7	104.5 <sup>(3)</sup>	14.98	52.48	100.3	0	28.93
28	271	2200	9.64	109.7 <sup>(3)</sup>	9.63	51.95	100.4	0	28.93
28	271	2300	9.76	108.7 <sup>(3)</sup>	8.18	51.4	100.4	0	28.92
29	272	0	9.36	110.5 <sup>(3)</sup>	10.03	51.13	100.3	0	28.92
29	272	100	11.2	96.3 <sup>(3)</sup>	13.89	51.35	100.3	0	28.92
29	272	200	9.36	112.8 <sup>(3)</sup>	8.14	50.7	100.3	0	28.91
29	272	300	9.38	112.7 <sup>(3)</sup>	8.52	51.31	100.3	0	28.9
29	272	400	10.39	106 <sup>(3)</sup>	13.93	52.64	100.3	0	28.91
29	272	500	10.64	104.1 <sup>(3)</sup>	14.64	52.86	100.4	0	28.91
29	272	600	11.46	105.5 <sup>(3)</sup>	13.4	53.1	100.3	0	28.92
29	272	700	10.59	109.1 <sup>(3)</sup>	11.16	53.29	100.3	0	28.92
29	272	800	11.34	114.1 <sup>(3)</sup>	11.91	53.96	99.4	0	28.94
29	272	900	16.21	105.1 <sup>(3)</sup>	12.59	54.94	94.3	0	28.95
29	272	1000	15.55	108.7 <sup>(3)</sup>	13.48	54.91	92.8	0	28.97
29	272	1100	16.96	110.4 <sup>(3)</sup>	14.39	56.04	89.3	0	28.98
29	272	1200	15.71	113.2 <sup>(3)</sup>	13.84	57.78	85.5	0	29
29	272	1300	16.93	111.6 <sup>(3)</sup>	14.07	56.81	85.9	0	29.01
29	272	1400	15.52	112.6 <sup>(3)</sup>	13.09	57.07	82.7	0	29.02
29	272	1500	10.12	129.6 <sup>(3)</sup>	8.46	54.85	94.8	0	29.03
29	272	1600	11.03	125.5 <sup>(3)</sup>	8.78	54.23	99.4	0	29.05
29	272	1700	11.1	127 <sup>(3)</sup>	8.09	54.36	100.1	0	29.07
29	272	1800	10.1	128.3 <sup>(3)</sup>	7.74	53.49	100.3	0	29.09
29	272	1900	12.07	125.2 <sup>(3)</sup>	9.67	51.59	100.3	0.03	29.12
29	272	2000	11.82	127.5 <sup>(3)</sup>	8.98	51.27	98.9	0	29.13
29	272	2100	10.21	130 <sup>(3)</sup>	7.71	51.17	93.2	0	29.15
29	272	2200	11.19	130.5 <sup>(3)</sup>	7.72	51.64	91.6	0	29.17
29	272	2300	11.58	131 <sup>(3)</sup>	8.44	50.99	89.7	0	29.18
30	273	0	11.72	128.7 <sup>(3)</sup>	8.94	50.58	90.2	0	29.17
30	273	100	11.5	136.5 <sup>(3)</sup>	7.94	50.37	92.6	0	29.18
30	273	200	9.5	139.4 <sup>(3)</sup>	5.381	48.98	100.3	0	29.19
30	273	300	9.35	137.4 <sup>(3)</sup>	4.579	49.18	100.1	0	29.2
30	273	400	10.06	139.3 <sup>(3)</sup>	5.158	47.85	100.3	0.02	29.21
30	273	500	7.05	138.3 <sup>(3)</sup>	3.177	47.46	100.3	0	29.22
30	273	600	8.68	130.8 <sup>(3)</sup>	6.024	47.98	100.3	0	29.24
30	273	700	7.61	135.3 <sup>(3)</sup>	4.09	48.03	100.3	0	29.25
30	273	800	7.6	137 <sup>(3)</sup>	4.402	48.62	100.1	0	29.28
30	273	900	9.36	135.5 <sup>(3)</sup>	6.15	51.18	96.7	0	29.31
30	273	1000	9.87	138.2 <sup>(3)</sup>	5.578	52.25	93.6	0	29.32
30	273	1100	9.75	140.1 <sup>(3)</sup>	5.577	53.62	88.7	0	29.32
30	273	1200	8.94	144 <sup>(3)</sup>	4.856	55.47	85.8	0	29.31
30	273	1300	8.69	140.5 <sup>(3)</sup>	4.93	57.73	79.8	0	29.32
30	273	1400	9.12	141.5 <sup>(3)</sup>	4.941	58.4	77.6	0	29.31
30	273	1500	10.27	136.1 <sup>(3)</sup>	6.712	59.49	71.9	0	29.3
30	273	1600	10.98	141.8 <sup>(3)</sup>	4.881	58.24	71.2	0	29.29
30	273	1700	6.581	145.2 <sup>(3)</sup>	1.725	56.95	75.8	0	29.28
30	273	1800	3.52	145.3 <sup>(3)</sup>	0	54.86	87.3	0	29.28
30	273	1900	2.944	145.5 <sup>(3)</sup>	0	51.75	98.2	0	29.27
30	273	2000	1.509	145.4 <sup>(3)</sup>	0	50.11	100.3	0	29.28
30	273	2100	1.753	145.6 <sup>(3)</sup>	0	51	100.4	0	29.28
30	273	2200	2.519	145.6 <sup>(3)</sup>	0	51.17	100.4	0	29.28
30	273	2300	1.257	145.6 <sup>(3)</sup>	0	51.16	100.4	0	29.28
1-Oct	274	0	1.57	145.5 <sup>(3)</sup>	0	50.56	100.4	0	29.27
1	274	100	3.485	145.6 <sup>(3)</sup>	0	47.66	100.3	0	29.25
1	274	200	2.801	145.6 <sup>(3)</sup>	0	47.4	100.3	0	29.23
1	274	300	4.252	145 <sup>(3)</sup>	0.802	49.87	100.3	0	29.23
1	274	400	5.269	140.7 <sup>(3)</sup>	1.521	50.49	100.3	0	29.22
1	274	500	5.094	146.5 <sup>(3)</sup>	2.925	51.17	100.3	0	29.21

ASH LANDFILL  
MID-PROJECT REPORT

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
1	274	600	4.607	145.3 <sup>(3)</sup>	0.254	51.55	100.3	0	29.2
1	274	700	7.64	121.3 <sup>(3)</sup>	8.75	51.84	100.3	0	29.19
1	274	800	8.68	111.6 <sup>(3)</sup>	11.25	52.49	100.4	0.01	29.17
1	274	900	8.2	114.9 <sup>(3)</sup>	12.77	52.42	100.3	0.03	29.15
1	274	1000	7.9	115.7 <sup>(3)</sup>	9.44	52.75	100.3	0.09	29.15
1	274	1100	6.626	128.8 <sup>(3)</sup>	6.775	53.18	100.3	0.07	29.13
1	274	1200	5.589	134.9 <sup>(3)</sup>	4.514	53.76	100.3	0.07	29.12
1	274	1300	5.897	133.7 <sup>(3)</sup>	6.186	54.55	100.3	0.02	29.09
1	274	1400	5.762	130.6 <sup>(3)</sup>	8.16	55.22	100.3	0	29.07
1	274	1500	4.881	133.2 <sup>(3)</sup>	2.21	56.61	100.3	0	29.06
1	274	1600	3.253	138.9 <sup>(3)</sup>	2.368	56.89	100.3	0	29.06
1	274	1700	3.553	141.6 <sup>(3)</sup>	0.887	56.68	100.3	0	29.07
1	274	1800	6.365	139.9 <sup>(3)</sup>	3.53	55.83	100.3	0	29.07
1	274	1900	9.3	142.2 <sup>(3)</sup>	4.619	54.55	100.3	0.01	29.09
1	274	2000	8.91	148.3 <sup>(3)</sup>	3.515	53.04	100.3	0	29.11
1	274	2100	6.291	151.5 <sup>(3)</sup>	0.881	51.42	100.3	0	29.13
1	274	2200	5.324	149.4 <sup>(3)</sup>	1.216	50.71	100.3	0	29.15
1	274	2300	5.723	149.8 <sup>(3)</sup>	1.007	49.74	100.3	0	29.16
2	275	0	4.941	148.5 <sup>(3)</sup>	1.421	49.13	100.3	0	29.16
2	275	100	5.297	140.9 <sup>(3)</sup>	1.039	49.32	100.3	0	29.16
2	275	200	5.529	139 <sup>(3)</sup>	1.596	49.03	100.3	0	29.17
2	275	300	7.83	138.2 <sup>(3)</sup>	3.751	49.32	100.3	0	29.17
2	275	400	9.51	143 <sup>(3)</sup>	4.417	49.4	100.3	0	29.19
2	275	500	7.07	146.5 <sup>(3)</sup>	2.157	46.78	100.3	0	29.2
2	275	600	5.198	144.4 <sup>(3)</sup>	0.845	45.1	100.3	0	29.21
2	275	700	2.771	145.2 <sup>(3)</sup>	0	44.89	100.4	0	29.24
2	275	800	6.692	138.9 <sup>(3)</sup>	5.663	49.75	100.2	0	29.3
2	275	900	9.12	133.5 <sup>(3)</sup>	6.649	52.75	92.9	0	29.32
2	275	1000	10.82	138.2 <sup>(3)</sup>	7.63	54.26	83.2	0	29.32
2	275	1100	11.7	143.3 <sup>(3)</sup>	7.02	54.35	81.4	0	29.32
2	275	1200	12.46	143.6 <sup>(3)</sup>	8.55	55.84	67.5	0	29.32
2	275	1300	13.34	141.6 <sup>(3)</sup>	8.71	56.14	56.32	0	29.32
2	275	1400	12.5	138.9 <sup>(3)</sup>	8.06	56.79	50.89	0	29.31
2	275	1500	11.34	142.1 <sup>(3)</sup>	6.714	57.02	50.9	0	29.31
2	275	1600	12.49	142.9 <sup>(3)</sup>	6.111	56.27	48.37	0	29.31
2	275	1700	12.29	148.1 <sup>(3)</sup>	5.288	54.42	46.4	0	29.3
2	275	1800	8.5	145.6 <sup>(3)</sup>	2.469	50.38 <sup>(4)</sup>	53.41	0	29.29
2	275	1900	3.418	146.1 <sup>(3)</sup>	0	44.88 <sup>(4)</sup>	69.7	0	29.28
2	275	2000	1.717	146.1 <sup>(3)</sup>	0	38.49 <sup>(4)</sup>	99.8	0	29.28
2	275	2100	1.408	146.2 <sup>(3)</sup>	0	43.36	100.3	0	29.29
2	275	2200	4.176	144.6 <sup>(3)</sup>	0.804	47.35	87.3	0	29.32
2	275	2300	11.66	175.7 <sup>(3)</sup>	9.21	46.13	81.2	0	29.34
3	276	0	7.67	169.2 <sup>(3)</sup>	3.785	41.8	86.1	0	29.34
3	276	100	5.334	162.3 <sup>(3)</sup>	0	38.02	97.5	0	29.33
3	276	200	1.907	162.1 <sup>(3)</sup>	0	33.78	100.3	0	29.32
3	276	300	2.51	162.1 <sup>(3)</sup>	0	31.16	100.3	0	29.31
3	276	400	1.859	162.1 <sup>(3)</sup>	0	29.88	100.3	0	29.31
3	276	500	2.379	162 <sup>(3)</sup>	0	29.9	100.3	0	29.32
3	276	600	0.818	162.1 <sup>(3)</sup>	0	29.91	100.3	0	29.33
3	276	700	2.592	162.1 <sup>(3)</sup>	0	32.6 <sup>(4)</sup>	100.3	0	29.35
3	276	800	5.802	154.8 <sup>(3)</sup>	1.783	43.11 <sup>(4)</sup>	98.1	0	29.41
3	276	900	9.94	153.4 <sup>(3)</sup>	4.61	48.15 <sup>(4)</sup>	80.5	0	29.44
3	276	1000	10.78	150.2 <sup>(3)</sup>	6.807	49.99	70.4	0	29.44
3	276	1100	10.52	151.3 <sup>(3)</sup>	6.961	51.42	68.57	0	29.44
3	276	1200	10.58	144.6 <sup>(3)</sup>	7.88	53.52	62.58	0	29.44
3	276	1300	11.05	146.1 <sup>(3)</sup>	8.31	54.64	58.94	0	29.42
3	276	1400	11.07	140.4 <sup>(3)</sup>	6.714	55.03	53.56	0	29.41
3	276	1500	10.8	143 <sup>(3)</sup>	7.64	55.66	51.62	0	29.4

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
3	276	1600	11.02	145.2 <sup>(3)</sup>	6.217	55.12	56.16	0	29.4
3	276	1700	10.91	151.7 <sup>(3)</sup>	5.61	53.17	60.92	0	29.39
3	276	1800	6.43	151.3 <sup>(3)</sup>	1.525	48.57 <sup>(4)</sup>	78.6	0	29.38
3	276	1900	2.844	151.6 <sup>(3)</sup>	0	42.44 <sup>(4)</sup>	96.9	0	29.35
3	276	2000	2.702	151.5 <sup>(3)</sup>	0	39.72 <sup>(4)</sup>	100.3	0	29.34
3	276	2100	5.607	144.8 <sup>(3)</sup>	1.245	44.86 <sup>(4)</sup>	94.2	0	29.35
3	276	2200	8.07	143.6 <sup>(3)</sup>	2.347	47.87	92.2	0	29.37
3	276	2300	6.949	151.4 <sup>(3)</sup>	1.318	47.51	95.1	0	29.38
4	277	0	4.81	152.1 <sup>(3)</sup>	0.238	45.78	100.1	0	29.38
4	277	100	2.121	152.3 <sup>(3)</sup>	0	44.36	100.4	0	29.38
4	277	200	2.365	152.3 <sup>(3)</sup>	0	44.72	100.4	0	29.38
4	277	300	2.915	152.3 <sup>(3)</sup>	0	45.58	100.4	0	29.37
4	277	400	4.028	152.1 <sup>(3)</sup>	0	46.57	100.4	0	29.37
4	277	500	5.438	148.7 <sup>(3)</sup>	0.908	46.77	100.4	0	29.38
4	277	600	5.262	150.2 <sup>(3)</sup>	0.584	46.37	100.3	0	29.37
4	277	700	4.931	150.4 <sup>(3)</sup>	0.975	45.68	100.4	0	29.38
4	277	800	7.32	147.7 <sup>(3)</sup>	2.213	47.51	100.2	0	29.39
4	277	900	9.3	148.5 <sup>(3)</sup>	3.459	48.16	97.3	0	29.41
4	277	1000	9.14	149.5 <sup>(3)</sup>	3.949	48.78	90.7	0	29.42
4	277	1100	7.74	148.1 <sup>(3)</sup>	2.168	48.7	90.8	0	29.41
4	277	1200	7.03	149 <sup>(3)</sup>	3.431	49.9	88.7	0	29.4
4	277	1300	7.74	141.1 <sup>(3)</sup>	3.379	49.85	89.6	0	29.39
4	277	1400	7.85	141.9 <sup>(3)</sup>	4.089	50.51	86.6	0	29.36
4	277	1500	8.1	139.8 <sup>(3)</sup>	3.639	51.07	84	0	29.35
4	277	1600	8.04	142.7 <sup>(3)</sup>	2.55	50.81	83.4	0	29.34
4	277	1700	6.579	145.8 <sup>(3)</sup>	1.799	50.54	83.1	0	29.33
4	277	1800	5.677	147.2 <sup>(3)</sup>	1.353	49.25	88	0	29.32
4	277	1900	6.902	141.3 <sup>(3)</sup>	2.029	48.93	87.6	0	29.32
4	277	2000	5.746	139.1 <sup>(3)</sup>	1.822	48.76	89.3	0	29.32
4	277	2100	9.11	134.7 <sup>(3)</sup>	4.781	48.53	93.6	0	29.32
4	277	2200	9.56	134.2 <sup>(3)</sup>	4.852	47.74	96.8	0	29.32
4	277	2300	8.46	136.6 <sup>(3)</sup>	4.189	47.27	95.4	0	29.31
5	278	0	7.83	136.1 <sup>(3)</sup>	3.972	46.61	98.9	0	29.3
5	278	100	8.24	133.6 <sup>(3)</sup>	4.545	46.1	100.3	0	29.29
5	278	200	9.96	136.6 <sup>(3)</sup>	4.865	46.08	97.8	0	29.29
5	278	300	11.3	141.4 <sup>(3)</sup>	5.087	44.87	99.7	0	29.29
5	278	400	8.44	148.4 <sup>(3)</sup>	3.901	42.9	100.4	0.03	29.29
5	278	500	8.23	145.3 <sup>(3)</sup>	2.099	42.65	100.4	0	29.29
5	278	600	7.95	145.4 <sup>(3)</sup>	2.569	42.36	100.4	0	29.3
5	278	700	8.76	145.8 <sup>(3)</sup>	2.294	42.2	100.4	0	29.31
5	278	800	9.03	141.8 <sup>(3)</sup>	4.008	42.97	100.4	0	29.34
5	278	900	9.09	139.2 <sup>(3)</sup>	4.34	44.12	100.4	0	29.36
5	278	1000	9.26	142.8 <sup>(3)</sup>	4.717	44.53	99.2	0	29.36
5	278	1100	8.04	145 <sup>(3)</sup>	3.28	44.18	98.6	0	29.36
5	278	1200	8.26	142.7 <sup>(3)</sup>	4.545	46.57	88.7	0	29.36
5	278	1300	8.74	139.9 <sup>(3)</sup>	4.434	46.62	83.8	0	29.35
5	278	1400	9.89	143.8 <sup>(3)</sup>	5.151	48.22	75.9	0	29.34
5	278	1500	7.5	146.5 <sup>(3)</sup>	3.449	48.96	71.9	0	29.33
5	278	1600	7.48	143.1 <sup>(3)</sup>	2.887	49.64	67.53	0	29.32
5	278	1700	6.335	144.3 <sup>(3)</sup>	2.429	49.73	68.88	0	29.32
5	278	1800	2.72	139.8 <sup>(3)</sup>	1.463	44.87 <sup>(4)</sup>	87.4	0	29.31
5	278	1900	2.506	137.8 <sup>(3)</sup>	0.115	36.78 <sup>(4)</sup>	100.3	0	29.28
5	278	2000	2.065	138.9 <sup>(3)</sup>	0	34.98 <sup>(4)</sup>	100.3	0	29.29
5	278	2100	4.205	137.6 <sup>(3)</sup>	0.418	40.29 <sup>(4)</sup>	100.3	0	29.3
5	278	2200	4.537	134.4 <sup>(3)</sup>	0	40.29	100.3	0	29.3
5	278	2300	6.292	131 <sup>(3)</sup>	1.635	40.22	100.3	0	29.31
6	279	0	6.253	128.2 <sup>(3)</sup>	4.061	41.55	100.1	0	29.31
6	279	100	5.948	130.7 <sup>(3)</sup>	0.896	42.47	100.2	0	29.33

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
6	279	200	6.739	128.8 <sup>(3)</sup>	3.223	43.43	100.3	0	29.33
6	279	300	5.272	132.5 <sup>(3)</sup>	0.876	44.01	100.3	0	29.33
6	279	400	5.452	132.3 <sup>(3)</sup>	0.255	44.81	100.4	0	29.34
6	279	500	6.062	128 <sup>(3)</sup>	5.141	45.29	100.4	0	29.35
6	279	600	6.262	128.1 <sup>(3)</sup>	3.489	45.53	100.4	0	29.37
6	279	700	5.992	129.1 <sup>(3)</sup>	3.435	46.03	100.4	0	29.38
6	279	800	6.377	126.7 <sup>(3)</sup>	4.821	47.81	100.2	0	29.41
6	279	900	9.1	108.7 <sup>(3)</sup>	10.96	49.46	98.9	0	29.44
6	279	1000	7.99	118.2 <sup>(3)</sup>	7.43	52.22	93.6	0	29.46
6	279	1100	6.455	125.8 <sup>(3)</sup>	9.54	56.33	82.9	0	29.48
6	279	1200	5.623	132.1 <sup>(3)</sup>	4.178	59.85	66.85	0	29.49
6	279	1300	6.671	129.4 <sup>(3)</sup>	5.326	61.31	61.22	0	29.47
6	279	1400	5.73	134.3 <sup>(3)</sup>	3.665	62.71	54.8	0	29.47
6	279	1500	4.827	138.7 <sup>(3)</sup>	1.068	63.88	50.41	0.02	29.46
6	279	1600	3.638	143.9 <sup>(3)</sup>	2.056	64.39	51.3	0	29.46
6	279	1700	2.69	144.9 <sup>(3)</sup>	0	64.33 <sup>(4)</sup>	53.01	0	29.46
6	279	1800	4.616	146.4 <sup>(3)</sup>	0	55.34 <sup>(4)</sup>	82.2	0	29.45
6	279	1900	5.301	158.2 <sup>(3)</sup>	0.826	46.22 <sup>(4)</sup>	100.3	0	29.42
6	279	2000	2.947	164.6 <sup>(3)</sup>	0.158	43.58	100.3	0	29.44
6	279	2100	1.969	158 <sup>(3)</sup>	1.496	42.96	100.4	0	29.45
6	279	2200	3.647	152.8 <sup>(3)</sup>	0	42.04	100.4	0	29.46
6	279	2300	4.967	149 <sup>(3)</sup>	0.75	46.07	100.4	0	29.47
7	280	0	4.203	148.2 <sup>(3)</sup>	0	45.57	100.4	0	29.48
7	280	100	6.689	138.1 <sup>(3)</sup>	2.751	45.89	100.4	0	29.48
7	280	200	6.586	134.1 <sup>(3)</sup>	2.583	45.26	100.4	0	29.48
7	280	300	6.926	131.9 <sup>(3)</sup>	3.246	44.93	100.4	0	29.48
7	280	400	8.28	116.2 <sup>(3)</sup>	6.667	45.63	100.4	0	29.5
7	280	500	8.01	120.4 <sup>(3)</sup>	7.98	45.22	100.4	0	29.51
7	280	600	8.3	116.8 <sup>(3)</sup>	8.06	45.34	100.4	0	29.52
7	280	700	8.39	115.1 <sup>(3)</sup>	9.74	45.77	100.4	0	29.54
7	280	800	11.19	89.2 <sup>(3)</sup>	17.35	48.4	100.4	0	29.57
7	280	900	10.71	94.3 <sup>(3)</sup>	15.54	52.48	100.3	0	29.6
7	280	1000	10.35	94 <sup>(3)</sup>	16.45	56.98 <sup>(4)</sup>	91	0	29.62
7	280	1100	9.42	102.9 <sup>(3)</sup>	13.28	62.4 <sup>(4)</sup>	74.2	0	29.62
7	280	1200	9.46	102.2 <sup>(3)</sup>	15.52	66.68	62.18	0	29.61
7	280	1300	11.75	81.1 <sup>(3)</sup>	17.14	68.88	57.16	0	29.58
7	280	1400	11.31	83.7 <sup>(3)</sup>	18.15	70.8	51.4	0	29.57
7	280	1500	10.65	90.7 <sup>(3)</sup>	14.49	72.1	48.78	0	29.55
7	280	1600	10.52	92.4 <sup>(3)</sup>	16.14	72.7	46.3	0	29.54
7	280	1700	9	109.1 <sup>(3)</sup>	13.05	71.1 <sup>(4)</sup>	49.07	0	29.52
7	280	1800	5.352	134.8 <sup>(3)</sup>	3.901	64.58 <sup>(4)</sup>	62.7	0	29.51
7	280	1900	7.38	140.3 <sup>(3)</sup>	10.41	61.31	65.71	0	29.49
7	280	2000	8.2	119.4 <sup>(3)</sup>	11.28	59.57	72.7	0	29.48
7	280	2100	11.66	80.5 <sup>(3)</sup>	16.71	58.12	86.2	0	29.47
7	280	2200	10.86	88.4 <sup>(3)</sup>	13.92	57.15	91.1	0	29.47
7	280	2300	10.36	93.8 <sup>(3)</sup>	13.05	56.11	93.3	0	29.48
8	281	0	11.57	80.6 <sup>(3)</sup>	23.74	55.95	93.7	0	29.5
8	281	100	10.59	89.5 <sup>(3)</sup>	15.19	54.95	98	0	29.49
8	281	200	10.13	96.2 <sup>(3)</sup>	12.64	55.07	99.7	0	29.48
8	281	300	11.11	88.2 <sup>(3)</sup>	12.51	54.95	99.6	0	29.47
8	281	400	11.51	85.2 <sup>(3)</sup>	11.42	54.28	100.3	0	29.47
8	281	500	10.51	90.7 <sup>(3)</sup>	13.44	53.85	100.3	0	29.47
8	281	600	9.73	97.7 <sup>(3)</sup>	11.68	53.41	100.3	0	29.47
8	281	700	9.23	102 <sup>(3)</sup>	15.84	53.58	100.3	0	29.48
8	281	800	12.08	73.6 <sup>(3)</sup>	22.4	55.65	99.9	0	29.5
8	281	900	13.76	59.23 <sup>(3)</sup>	25.26	58.72	95.4	0	29.51
8	281	1000	14.88	44.96 <sup>(3)</sup>	25.67	62.16	85.2	0	29.51
8	281	1100	14.78	42.26 <sup>(3)</sup>	24.7	65.06	79	0	29.51



Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
8	281	1200	14.43	50.23 <sup>(3)</sup>	26.36	69.06	72.7	0	29.5
8	281	1300	14.65	56.22 <sup>(3)</sup>	20.52	72.2	68.41	0	29.46
8	281	1400	14.65	58.21 <sup>(3)</sup>	22.31	73.7	63.74	0	29.43
8	281	1500	12.2	77.7 <sup>(3)</sup>	19.45	73.6	56.41	0	29.41
8	281	1600	9.61	100.8 <sup>(3)</sup>	18.05	73.4	46.94	0	29.39
8	281	1700	7.41	127.7 <sup>(3)</sup>	13.63	72.4	47.53	0	29.38
8	281	1800	8.17	128.3 <sup>(3)</sup>	24.4	68.25	54.42	0	29.36
8	281	1900	10.77	86.4 <sup>(3)</sup>	26.38	64.75	64.29	0	29.35
8	281	2000	13.54	56.13 <sup>(3)</sup>	23.67	61.67	77.5	0	29.33
8	281	2100	14.13	58.35 <sup>(3)</sup>	20.13	59.93	81.5	0	29.32
8	281	2200	13.06	69.21 <sup>(3)</sup>	19.43	59.09	82.4	0	29.31
8	281	2300	12.39	71.2 <sup>(3)</sup>	20.34	58.41	89.8	0	29.29
9	282	0	15.36	39.04 <sup>(3)</sup>	24.09	58.54	93.7	0	29.27
9	282	100	13.52	72.1 <sup>(3)</sup>	21.29	58.19	98.2	0	29.26
9	282	200	13.87	67.98 <sup>(3)</sup>	20.56	57.53	100.3	0	29.23
9	282	300	13.61	72.2 <sup>(3)</sup>	21.07	56.93	100.3	0	29.21
9	282	400	14.24	59.05 <sup>(3)</sup>	21.81	56.87	100.3	0	29.2
9	282	500	10.52	90.6 <sup>(3)</sup>	16.73	56.8	100.3	0	29.19
9	282	600	14.28	64.96 <sup>(3)</sup>	23.38	57.32	100.3	0	29.17
9	282	700	17.37	39.95 <sup>(3)</sup>	21.86	57.72	100.3	0	29.16
9	282	800	17.12	25.67 <sup>(3)</sup>	22.25	58.99	100.3	0	29.17
9	282	900	17.18	37.67 <sup>(3)</sup>	22.21	61.79	99.7	0	29.19
9	282	1000	14.93	59.58 <sup>(3)</sup>	23.18	63.15	97.6	0	29.17
9	282	1100	11.91	91 <sup>(3)</sup>	19.94	65.05 <sup>(4)</sup>	90.8	0	29.16
9	282	1200	11.42	135.9 <sup>(3)</sup>	9.28	58.32 <sup>(4)</sup>	99.2	0.01	29.18
9	282	1300	6.05	140.2 <sup>(3)</sup>	2.564	54.83	100.3	0.02	29.18
9	282	1400	7.54	130.1 <sup>(3)</sup>	6.481	55.84	100	0	29.19
9	282	1500	7.42	132.1 <sup>(3)</sup>	4.677	55.4	99.4	0	29.2
9	282	1600	7.2	130 <sup>(3)</sup>	6.797	55.63	97.1	0	29.2
9	282	1700	5.982	133.8 <sup>(3)</sup>	1.807	57.59	92.1	0	29.21
9	282	1800	8.18	132.2 <sup>(3)</sup>	5.23	56.79	83.4	0	29.23
9	282	1900	8.16	129.1 <sup>(3)</sup>	5.049	54.75	72.4	0	29.23
9	282	2000	7.44	127.9 <sup>(3)</sup>	3.113	53.53	71.4	0	29.24
9	282	2100	6.787	125.6 <sup>(3)</sup>	4.63	52.39	76.4	0	29.24
9	282	2200	9.91	118.9 <sup>(3)</sup>	8.71	53.22	79.8	0	29.27
9	282	2300	9.65	123.6 <sup>(3)</sup>	6.645	51.81	85.2	0	29.28
10	283	0	8.6	130.8 <sup>(3)</sup>	5.842	50.69	90.2	0	29.29
10	283	100	7.17	134.2 <sup>(3)</sup>	3.892	48.69	97.2	0	29.3
10	283	200	6.873	137.2 <sup>(3)</sup>	3.675	47.97	100.2	0	29.31
10	283	300	9.3	134.7 <sup>(3)</sup>	6.178	47.14	96.9	0	29.31
10	283	400	9.11	133.1 <sup>(3)</sup>	5.409	46.13	95.3	0	29.32
10	283	500	8.2	134.6 <sup>(3)</sup>	4.757	45.63	94.9	0	29.35
10	283	600	8.29	133.8 <sup>(3)</sup>	4.843	44.36	97.2	0	29.36
10	283	700	9.43	129.8 <sup>(3)</sup>	6.329	43.82	97.8	0	29.38
10	283	800	9.93	131.4 <sup>(3)</sup>	6.972	44.92	94.8	0	29.42
10	283	900	11.27	133.4 <sup>(3)</sup>	7.45	45.38	92.9	0	29.45
10	283	1000	10.83	133.6 <sup>(3)</sup>	7.78	48.02	83.4	0	29.48
10	283	1100	10.88	149.1 <sup>(3)</sup>	9.25	45.81	92.5	0	29.49
10	283	1200	13.45	140.2 <sup>(3)</sup>	8.95	49.44	70.9	0	29.5
10	283	1300	13.27	137.5 <sup>(3)</sup>	9.97	50.69	60.41	0	29.51
10	283	1400	13.18	133.6 <sup>(3)</sup>	8.33	51.99	52.89	0	29.52
10	283	1500	12.85	142.3 <sup>(3)</sup>	9.4	52.22	55.06	0	29.53
10	283	1600	11.07	147.7 <sup>(3)</sup>	6.37	52.16	60.35	0	29.53
10	283	1700	9.25	150.3 <sup>(3)</sup>	4.288	50.81	65.44	0	29.54
10	283	1800	6.512	144.2 <sup>(3)</sup>	1.41	46.52	76.9	0	29.53
10	283	1900	6.24	142.8 <sup>(3)</sup>	0.5	44.85	80.8	0	29.53
10	283	2000	4.15	144 <sup>(3)</sup>	0.269	42.35 <sup>(4)</sup>	89.7	0	29.53
10	283	2100	2.088	144.8 <sup>(3)</sup>	0	36.17 <sup>(4)</sup>	99.9	0	29.52

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
10	283	2200	2.482	144.8 <sup>(3)</sup>	0	34.66	100.3	0	29.53
10	283	2300	2.387	144.8 <sup>(3)</sup>	0	36.92 <sup>(4)</sup>	100.3	0	29.54
11	284	0	5.96	143.6 <sup>(3)</sup>	0.585	42.61 <sup>(4)</sup>	98.4	0	29.57
11	284	100	5.832	144.1 <sup>(3)</sup>	0.469	40.98	100.3	0	29.58
11	284	200	5.394	144.8 <sup>(3)</sup>	1.78	40.33	100.3	0	29.59
11	284	300	5.49	158.2 <sup>(3)</sup>	1.196	38.79	100.3	0	29.62
11	284	400	6.254	162.4 <sup>(3)</sup>	1.466	37.68	96.4	0	29.64
11	284	500	4.889	160.6 <sup>(3)</sup>	0	35.65	100	0	29.66
11	284	600	3.626	160.6 <sup>(3)</sup>	0	32.89	100.3	0	29.66
11	284	700	2.86	160.6 <sup>(3)</sup>	0	29.56 <sup>(4)</sup>	100.3	0	29.67
11	284	800	3.891	160.5 <sup>(3)</sup>	0	38.3 <sup>(4)</sup>	92.5	0	29.75
11	284	900	6.264	165.3 <sup>(3)</sup>	2.867	43.66 <sup>(4)</sup>	72.6	0	29.79
11	284	1000	5.639	165.3 <sup>(3)</sup>	2.698	47.48	68.06	0	29.81
11	284	1100	7.03	159.4 <sup>(3)</sup>	5.028	48.7	66.39	0	29.82
11	284	1200	3.883	226.7 <sup>(3)</sup>	50.3	51.05	61.93	0	29.81
11	284	1300	5.745	302.8 <sup>(3)</sup>	59.42	52.04	63.54	0	29.79
11	284	1400	6.35	299.6	44.63	53.57	58.29	0	29.77
11	284	1500	5.724	311.9	30.46	54.92	54.86	0	29.77
11	284	1600	5.462	308.2	24.4	54.51	52.82	0	29.76
11	284	1700	3.239	325.4	25.83	54.48 <sup>(4)</sup>	52.27	0	29.75
11	284	1800	2.931	68.45	28.98	48.07 <sup>(4)</sup>	71.6	0	29.74
11	284	1900	5.957	57.01	10.49	39.95 <sup>(4)</sup>	94.9	0	29.71
11	284	2000	5.876	37.32	5.06	39.48	95.2	0	29.72
11	284	2100	4.986	48.82	4.456	37.58	99.8	0	29.72
11	284	2200	1.252	64.04	0.39	34.09	100.3	0	29.71
11	284	2300	1.7	64.48	0.148	31.88	100.3	0	29.7
12	285	0	3.511	118.7	11.24	31.13	100.3	0	29.7
12	285	100	3.349	169.7	5.447	34.23	100.3	0	29.7
12	285	200	4.683	164.7	6.492	35.67	100.3	0	29.71
12	285	300	4.747	163.7	6.494	35.17	100.3	0	29.72
12	285	400	5.236	156.7	6.188	35.24	100.3	0	29.72
12	285	500	5.761	162.3	7.75	35.51	100.3	0	29.73
12	285	600	5.634	170.4	6.004	35.55	100.3	0	29.74
12	285	700	5.863	163.8	7.94	36.05	100.3	0	29.75
12	285	800	7.24	166.1	9.69	39.7	100.3	0	29.78
12	285	900	8.58	174.8	10.99	44.21	99.4	0	29.81
12	285	1000	9.88	183.6	11.17	49.21 <sup>(4)</sup>	82.6	0	29.82
12	285	1100	11.07	178.4	9.92	54.34 <sup>(4)</sup>	62.76	0.03	29.81
12	285	1200	11.43	180.8	11.01	58.22	43.65	0	29.8
12	285	1300	10.03	192.9 <sup>(2)</sup>	15.28	61.09	38.61	0.01	29.78
12	285	1400	8.72	193 <sup>(2)</sup>	10.56	62.7	35.16	0	29.77
12	285	1500	6.642	192 <sup>(2)</sup>	16.98	64.14	34.51	0.02	29.76
12	285	1600	5.942	172.4	18.21	64.51	35.32	0	29.75
12	285	1700	7.48	110.4	10.32	62.57 <sup>(4)</sup>	39.23	0	29.73
12	285	1800	6.873	112.2	4.472	54.46 <sup>(4)</sup>	53.63	0	29.71
12	285	1900	7.26	130.4	15.67	51.85	58.27	0	29.69
12	285	2000	5.035	160.5	16.25	49.96	62.37	0	29.69
12	285	2100	5.994	164	5.838	49.18	72.3	0	29.69
12	285	2200	5.583	165.9	5.538	47.45	79.5	0	29.68
12	285	2300	6.951	170.9	5.203	45.79	99.8	0	29.67
13	286	0	7.7	173.8	5.192	45.23	100.4	0	29.67
13	286	100	6.223	172.1	6.054	44.39	100.4	0	29.67
13	286	200	6.695	165.5	7.95	43.53	100.4	0	29.66
13	286	300	7.21	161.4	8.42	43.2	100.3	0	29.64
13	286	400	6.454	162.3	7.93	42.58	100.3	0	29.64
13	286	500	7.05	160.1	8.01	42.04	100.3	0	29.65
13	286	600	9.17	175.1	6.778	42.16	100.3	0	29.65
13	286	700	8.64	174.8	6.943	42.75	100.3	0	29.66

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
13	286	800	9.91	173.6	8.05	45.54	100.4	0	29.69
13	286	900	12	178.9	8.19	48.76	98.2	0	29.71
13	286	1000	10.82	175.2	9.53	52.62	86.6	0	29.71
13	286	1100	10.23	177.1	10.94	56.55	76.1	0	29.7
13	286	1200	10.68	180.4	10.24	59.42	68.66	0	29.7
13	286	1300	8.98	183.5	11.26	61.23	62.82	0	29.67
13	286	1400	9.78	182.1	11.12	62.98	56.41	0	29.67
13	286	1500	7.36	176.7	11.35	62.59	53.51	0	29.64
13	286	1600	4.788	185.7	6.757	62.72	57.77	0	29.62
13	286	1700	5.053	128.2	8.08	59.8 <sup>(4)</sup>	63.22	0	29.61
13	286	1800	6.822	104.8	4.923	54.11 <sup>(4)</sup>	76.7	0	29.58
13	286	1900	6.101	136.3	5.686	53.74	71.3	0	29.57
13	286	2000	4.843	152	7.65	53.18	62.62	0	29.57
13	286	2100	5.518	155.6	6.807	49.97	72.2	0	29.56
13	286	2200	5.205	191.1	8.95	49.1	90.2	0	29.56
13	286	2300	4.723	198	9.07	49.79	74.9	0	29.57
14	287	0	4.689	172.6	6.102	47.91	89.4	0	29.56
14	287	100	4.952	177	5.329	48.24	93.4	0	29.55
14	287	200	6.82	184.4	7.65	49.03	96.5	0	29.55
14	287	300	4.621	175.7	5.361	49.11	99.3	0	29.55
14	287	400	3.805	173.7	2.667	47.9	100.3	0	29.54
14	287	500	4.782	175.2	4.251	48.06	100.3	0	29.55
14	287	600	3.452	175.5	1.346	47.15	100.3	0	29.55
14	287	700	4.097	151.9	5.096	46.63	100.3	0	29.56
14	287	800	3.21	157.9	6.276	48.26	100.3	0	29.58
14	287	900	2.899	176.7	0.979	50.31	100.3	0	29.6
14	287	1000	1.561	182.2	6.581	52.35	96.3	0	29.62
14	287	1100	3.676	350	28.42	54.78	90.1	0	29.63
14	287	1200	5.817	356.5	12.18	56.58	82.9	0	29.63
14	287	1300	7.07	10.98	12.9	59.16	70.5	0	29.63
14	287	1400	6.521	30.29	20.45	62.28	58.71	0	29.61
14	287	1500	7.22	21.12	22.45	64.78	51.3	0	29.6
14	287	1600	6.922	27.14	15.89	64.95	49.25	0	29.59
14	287	1700	9.27	0.66	11.84	60.88 <sup>(4)</sup>	70.7	0	29.58
14	287	1800	7.41	350.9	7.53	54.12 <sup>(4)</sup>	90.8	0	29.56
14	287	1900	5.74	357.4	4.7	49.05 <sup>(4)</sup>	100.3	0	29.55
14	287	2000	2.491	7.65	0.076	44.38	100.3	0	29.55
14	287	2100	1.525	7.63	0.148	40.9	100.3	0	29.55
14	287	2200	2.976	348.6	9.65	40.08	100.3	0	29.55
14	287	2300	3.492	346.5	1.888	38.96	100.3	0	29.55
15	288	0	3.029	341 <sup>(2)</sup>	0	38.56	100.3	0	29.55
15	288	100	3.234	341.7 <sup>(2)</sup>	0.021	37.77	100.3	0	29.55
15	288	200	1.056	341.9 <sup>(2)</sup>	0	35.09	100.3	0	29.56
15	288	300	1.751	341.8 <sup>(2)</sup>	0	33.73	100.3	0	29.56
15	288	400	2.111	341.9 <sup>(2)</sup>	0	33.47	100.3	0	29.57
15	288	500	3.222	338.5	39.75	33.32	100.3	0	29.58
15	288	600	3.411	169.7	0.631	36.53	100.3	0	29.59
15	288	700	3.377	180.4	5.675	39.54	100.3	0	29.61
15	288	800	3.7	192.3	10.51	41.74	100.3	0	29.64
15	288	900	4.655	188.6	15.9	45.73 <sup>(4)</sup>	100.3	0	29.68
15	288	1000	3.027	190.4	19.37	52.18 <sup>(4)</sup>	90.9	0	29.72
15	288	1100	3.503	240.8	28.84	56.92	74.6	0	29.73
15	288	1200	3.396	251	13.24	60.25	60.86	0	29.72
15	288	1300	5.225	277.1	23.05	62.05	62.02	0	29.69
15	288	1400	8.11	324.2	19.1	61.94	63.08	0	29.69
15	288	1500	7.35	352	19.55	63.03	59.74	0	29.67
15	288	1600	9.04	350.8	12.55	61.83	60.9	0	29.67
15	288	1700	9.72	351.7	10.33	57.87 <sup>(4)</sup>	68.06	0	29.67

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
15	288	1800	9.15	350.6	8.34	50.64 <sup>(4)</sup>	82.2	0	29.66
15	288	1900	5.376	359.2	6.149	44.62 <sup>(4)</sup>	95.6	0	29.65
15	288	2000	2.221	2.19	0.1	38.3 <sup>(4)</sup>	99.9	0	29.64
15	288	2100	3.946	3.168	2.753	39.5	100.3	0	29.63
15	288	2200	5.048	8.81	2.983	39.24	100.3	0	29.64
15	288	2300	2.136	0.584	2.192	35.77	100.3	0	29.64
16	289	0	3.756	2.832 <sup>(2)</sup>	12.8	34.42	100.3	0	29.63
16	289	100	2.528	3.321 <sup>(2)</sup>	0.166	32.29	100.3	0	29.63
16	289	200	1.465	3.274 <sup>(2)</sup>	0.124	30.33	100.3	0	29.62
16	289	300	2.214	3.358 <sup>(2)</sup>	0.158	30.85	100.3	0	29.62
16	289	400	0.847	3.219 <sup>(2)</sup>	0.072	28.96	100.3	0	29.62
16	289	500	0.959	3.219 <sup>(2)</sup>	0.038	28.49	100.3	0	29.63
16	289	600	1.022	3.422 <sup>(2)</sup>	0.03	28.16	100.2	0	29.63
16	289	700	1.78	3.541 <sup>(2)</sup>	0.057	28.09 <sup>(4)</sup>	100.2	0	29.64
16	289	800	1.863	32.99	7.54	37.59 <sup>(4)</sup>	100.3	0	29.71
16	289	900	3.095	69.21	36.91	46.68 <sup>(4)</sup>	91.4	0	29.76
16	289	1000	3.656	220.5	22.62	50.82	75.6	0.02	29.77
16	289	1100	4.59	243.2	22.18	53.84	63.76	0.01	29.76
16	289	1200	6.281	338	34.31	57.58	48.57	0	29.76
16	289	1300	6.977	340.5	30.56	59.75	40.67	0.01	29.73
16	289	1400	7.84	338.4	26.74	60.49	40.51	0.02	29.71
16	289	1500	9.92	317.4	14.71	61.02	43.18	0	29.71
16	289	1600	9.56	353.4	12.6	60.3	40.45	0	29.69
16	289	1700	8.37	0.136	9.07	56.18 <sup>(4)</sup>	50.78	0	29.67
16	289	1800	6.433	12.62	5.171	48.32 <sup>(4)</sup>	69.06	0	29.65
16	289	1900	5.163	21.14	4.713	43.26 <sup>(4)</sup>	83.8	0	29.63
16	289	2000	3.082	33.42	1.194	37.07 <sup>(4)</sup>	100.1	0	29.61
16	289	2100	1.569	32.09	0.192	34.76	100.3	0	29.6
16	289	2200	2.531	40.07	2.917	33.08	100.3	0	29.59
16	289	2300	2.537	54.71	0.194	32.93	100.3	0	29.58
17	290	0	2.991	54.72	0.232	32.31	100.3	0	29.58
17	290	100	3.905	65.89	2.044	33.86	100.3	0	29.57
17	290	200	4.983	176.2	32.47	36.16	100.3	0	29.57
17	290	300	5.008	181.6	3.516	36.09	100.3	0	29.57
17	290	400	4.701 <sup>(1)</sup>	178	3.768	35.9	100.3	0	29.57
17	290	500	4.8 <sup>(1)</sup>	179.8	5.501	35.7	100.3	0	29.57
17	290	600	4.714 <sup>(1)</sup>	174.3	3.591	35.24	100.3	0	29.57
17	290	700	5.197	177.5	3.535	35.81	100.3	0	29.58
17	290	800	5.641	179.4	5.455	38.6 <sup>(4)</sup>	100.3	0	29.6
17	290	900	8.78	184.4	8.92	44.39 <sup>(4)</sup>	100.4	0	29.64
17	290	1000	6.135	184.1	12.98	49.47 <sup>(4)</sup>	94.7	0	29.66
17	290	1100	4.133	224.3	18.96	55.69 <sup>(4)</sup>	75.6	0	29.65
17	290	1200	4.46	255.4	19.2	60.79 <sup>(4)</sup>	62.25	0.01	29.64
17	290	1300	5.407	306.7	18.96	62.68	52.14	0	29.61
17	290	1400	5.812	297.2	42.45	64.09	44.96	0.01	29.6
17	290	1500	4.776	302.9	15.25	63.75	43.43	0	29.57
17	290	1600	4.438	150.3	29.73	66.42	37.99	0	29.56
17	290	1700	5.114	80.2	5.416	63.28 <sup>(4)</sup>	44.37	0	29.54
17	290	1800	4.741	78.7	4.528	52.09 <sup>(4)</sup>	70.7	0	29.49
17	290	1900	3.935	79.2	2.898	45.03 <sup>(4)</sup>	90	0	29.46
17	290	2000	2.274	69.64	0.145	44.51	90.5	0	29.47
17	290	2100	2.834	80.3	12.87	45.39	93.6	0	29.46
17	290	2200	3.738	173.6	19.75	47.99	96.1	0	29.46
17	290	2300	5.592	188.2	8.78	49.11	100.3	0	29.45
18	291	0	4.603	172.5	10.67	49.74	99.6	0	29.44
18	291	100	5.268	170.1	9.67	49.46	93	0	29.42
18	291	200	6.165	165.7	11.54	49.9	86.4	0	29.41
18	291	300	4.832	139.8	0.289	49.32	86.2	0	29.4

ASH LANDFILL  
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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
18	291	400	4.631	157	9.62	49.07	87.3	0	29.39
18	291	500	7.21	175.1	7.69	49.96	76.8	0	29.38
18	291	600	11.68	186	7.91	50.92	80.8	0	29.38
18	291	700	12.36	187.9	8.56	51.46	81.1	0	29.38
18	291	800	11.09	181.7	9.41	52.52	83.2	0	29.4
18	291	900	9.91	186.7	9.07	53.88	78.8	0	29.41
18	291	1000	8.89	182.3 <sup>(2)</sup>	7.95	55.83	70.8	0	29.41
18	291	1100	7.82	182.8 <sup>(2)</sup>	10.07	60.04	56.95	0	29.4
18	291	1200	7.46	183.8 <sup>(2)</sup>	9.71	64.17	46.62	0.02	29.41
18	291	1300	5.891	192.9	9.68	64.46	52.5	0	29.37
18	291	1400	5.407	162.6	16.1	67.63	44.62	0	29.36
18	291	1500	6.801	87.7	11.52	67.24	43.65	0.01	29.33
18	291	1600	6.562	83.8	8.89	65.96	44.62	0	29.32
18	291	1700	5.561	51.4	8.7	62.59	56.07	0	29.31
18	291	1800	6.569	73.4	10.44	60.7	65.5	0	29.3
18	291	1900	3.538	91.1	14.64	58.35	77.1	0	29.29
18	291	2000	3.284	162.3	37.57	57.26	78.8	0	29.28
18	291	2100	3.411	146	6.757	57.1	79.2	0	29.28
18	291	2200	4.604	130.7	2.405	56.51	82.1	0	29.28
18	291	2300	4.927	132.4	2.744	54.75	85.4	0	29.26
19	292	0	4.392	158.1	6.355	52.2	86.7	0	29.24
19	292	100	4.856	165.2	4.619	51.4	87.1	0	29.22
19	292	200	6.876	171.8	6.815	52.39	86.5	0	29.21
19	292	300	7.27	177.3	6.326	52.58	94.8	0	29.21
19	292	400	8.86	178.4	6.937	54.07	88.4	0	29.21
19	292	500	8.66	177.8	7.58	55.32	83.3	0	29.21
19	292	600	8.18	179.4	7.84	54.91	84.9	0	29.21
19	292	700	10.16	181.1	7.47	55.23	84.9	0	29.2
19	292	800	11.17	177.2	8.07	56.17	80.6	0	29.21
19	292	900	11.76	173.6	10.1	57.27	79.6	0	29.21
19	292	1000	13.71	192	9.74	58.85	79.8	0	29.22
19	292	1100	9.31	205.6	10.11	59.79	89.8	0.04	29.22
19	292	1200	10.43	189.8	8.74	56	100.3	0.26	29.21
19	292	1300	10.73	187.7	7.9	55.85	100.3	0.12	29.2
19	292	1400	10.63	177.7	7.57	56.87	100.3	0.01	29.18
19	292	1500	11.32	183	7.8	57.59	100.3	0	29.19
19	292	1600	11.58	186	8.44	57.77	100.3	0	29.18
19	292	1700	11.06	185.5	8.26	57.84	100.3	0	29.18
19	292	1800	10.11	184.3	7.45	57.65	100.3	0	29.18
19	292	1900	9.51	187.8	8.22	57.55	100.3	0	29.19
19	292	2000	8.94	189.2	8.93	57.72	100.3	0	29.19
19	292	2100	7.21	174.3	7.25	57.56	100.3	0	29.19
19	292	2200	8.61	175.8	7.38	57.81	100.3	0	29.2
19	292	2300	5.83	172.5	8.68	57.56	100.3	0	29.18
20	293	0	7.51	168.5	9.1	57.62	100.3	0	29.18
20	293	100	8.64	181	8.91	57.32	100.3	0	29.18
20	293	200	8.74	177.8	7.71	57.32	100.3	0	29.17
20	293	300	7.12	167.4	8.71	57.04	100.3	0	29.15
20	293	400	7.81	173.5	10.9	57.58	100.3	0	29.15
20	293	500	9.56	186.4	8.49	57.5	100.3	0.03	29.16
20	293	600	12.21	188.3	8.66	57.69	100.3	0	29.16
20	293	700	11.36	186.7	7.76	57.97	100.3	0	29.17
20	293	800	8	185.3	9.55	58	100.3	0	29.17
20	293	900	9.62	188.2	8.72	59.2	100.3	0	29.18
20	293	1000	12.2	184.1	8.61	62.88	100.3	0	29.2
20	293	1100	11.66	184.3	8.58	66.36	95.6	0	29.21
20	293	1200	8.13	193.9	17.4	66.71	90.8	0	29.19
20	293	1300	4.755	264.1	18.45	67.67 <sup>(4)</sup>	79.3	0	29.18

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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
20	293	1400	6.324	295.4	19.92	60.64 <sup>(4)</sup>	95.5	0.01	29.15
20	293	1500	6.209	293.7	15.09	60.97	98.1	0	29.14
20	293	1600	8.74	294.7	16.53	61.63	85	0	29.17
20	293	1700	5.487	293.1	13.03	60.62	87.8	0	29.18
20	293	1800	3.34	293.6	9.15	59.23	89	0	29.19
20	293	1900	5.053	270.5	8.41	57.81	87.6	0	29.2
20	293	2000	1.012	272	8.47	53.62	96.9	0	29.2
20	293	2100	3.315	282.1	13.32	54.72	95	0	29.21
20	293	2200	4.259	313.1	9.72	56.46	91.6	0	29.22
20	293	2300	3.514	289	10.31	55.91	97.9	0	29.22
21	294	0	3.29	185.4	8.65	53.82	100.3	0	29.21
21	294	100	3.385	175.2	4.059	52.99	100.3	0	29.21
21	294	200	4.314	186.7	9.41	52.97	100.3	0	29.22
21	294	300	2.633	173.4	11.54	52.57	100.3	0	29.22
21	294	400	3.189	284.6	8.33	53.33	100.3	0	29.23
21	294	500	4.432	295.7	10.74	53.93	100.3	0	29.24
21	294	600	4.587	307.3	9.59	53.29	100.3	0	29.25
21	294	700	5.553	321.5	9.24	53.27	100.3	0	29.26
21	294	800	4.771	311.6	14.62	53.91	100.3	0	29.28
21	294	900	7.32	315.9	15.6	55.57	100.3	0	29.29
21	294	1000	6.341	298.4	13.88	57.14	96.1	0	29.3
21	294	1100	7.17	304.4	14.52	57.32	93	0	29.29
21	294	1200	7.19	300.4	16.18	57.31	93	0	29.28
21	294	1300	7.02	304.4	16.65	56.83	95.9	0	29.27
21	294	1400	7.75	297.9	14.09	56.47	98.9	0	29.27
21	294	1500	6.499	298.5	14.58	56.23	99.5	0	29.26
21	294	1600	5.84	305.6	12.26	55.87	100.3	0	29.26
21	294	1700	5.153	302.2	12.91	55.68	100.3	0	29.27
21	294	1800	3.375	296.3	7.05	54.83	100.3	0	29.27
21	294	1900	2.405	283	4.231	53.66	100.3	0	29.27
21	294	2000	2.704	299.6	2.428	51.6 <sup>(4)</sup>	100.3	0	29.26
21	294	2100	0.882	306.1 <sup>(2)</sup>	0	45.56 <sup>(4)</sup>	100.3	0	29.25
21	294	2200	0.394	306.2 <sup>(2)</sup>	0	43.29	100.3	0	29.26
21	294	2300	1.375	306.2 <sup>(2)</sup>	0	42.67	100.4	0	29.25
22	295	0	2.144	306.2 <sup>(2)</sup>	0	42.15	100.3	0	29.24
22	295	100	2.134	283.3	7.92	42.07	100.3	0	29.24
22	295	200	2.498	253.8	14.84	41.8	100.3	0	29.24
22	295	300	3.752	189.5	6.39	41.94	100.3	0	29.24
22	295	400	4.349	177.7	10.32	44.7	100.3	0	29.25
22	295	500	4.922	173.4	5.028	45.9	100.4	0	29.26
22	295	600	4.071	208.3	13.37	46.98	100.4	0	29.27
22	295	700	5.507	209.2	10.01	47.09	100.3	0	29.28
22	295	800	4.078	224.6	7.86	47.35	100.3	0	29.3
22	295	900	5.547	193.7	9.94	49.03	100.3	0	29.31
22	295	1000	6.789	189	9.79	50.32	100.3	0	29.31
22	295	1100	6.674	180.7	12.35	52.73	100.2	0	29.32
22	295	1200	4.253	219.4	25.23	57.31	96.3	0	29.33
22	295	1300	4.725	106.9	21.89	60.94	83.6	0	29.3
22	295	1400	7.25	92.8	14.8	60.98	77.7	0	29.28
22	295	1500	4.8	106.5	12.6	59.7	81.5	0	29.26
22	295	1600	4.581	115.8	9.55	59.17	83.8	0	29.24
22	295	1700	4.247	114.3	0	56.99 <sup>(4)</sup>	89.6	0	29.23
22	295	1800	3.024	114.8	0	51.72 <sup>(4)</sup>	100.2	0	29.21
22	295	1900	4.107	117.6 <sup>(2)</sup>	0.223	47.57	100.3	0	29.19
22	295	2000	3.719	118 <sup>(2)</sup>	0	45.36	100.3	0	29.18
22	295	2100	4.421 <sup>(1)</sup>	118.7 <sup>(2)</sup>	0.583	47.26	100.3	0	29.19
22	295	2200	4.447 <sup>(1)</sup>	126.4	2.505	46.46	100.3	0	29.2
22	295	2300	4.475 <sup>(1)</sup>	139.4	5.314	43.54	100.4	0	29.18

ASH LANDFILL  
MID-PROJECT REPORT

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
23	296	0	4.242	170.3	3.982	44.97	100.4	0	29.17
23	296	100	5.023	148	5.521	44.76	100.4	0	29.16
23	296	200	5.956	136.6	4.773	45	100.4	0	29.15
23	296	300	5.321	153	3.966	45.5	100.4	0	29.14
23	296	400	5.442	149.8 <sup>(2)</sup>	3.557	44.96	100.4	0	29.13
23	296	500	5.617	149.9 <sup>(2)</sup>	5.822	44.81	100.4	0	29.12
23	296	600	5.61	150.6 <sup>(2)</sup>	5.633	45.05	100.4	0	29.11
23	296	700	5.382	158.7	3.087	44.8	100.4	0	29.1
23	296	800	5.747	165.6	6.472	45.88	100.4	0	29.11
23	296	900	6.054	170.7	7.65	49.24	100.3	0	29.11
23	296	1000	10.15	174.2	9.5	52.91	100.3	0	29.11
23	296	1100	11.64	182.4	9.4	56.27	98.3	0	29.11
23	296	1200	11.07	183.2	9.29	59.99	90.3	0	29.1
23	296	1300	9.65	182	10.41	62.55	84.6	0	29.09
23	296	1400	7.41	176.9	13.55	67.11	70.1	0	29.08
23	296	1500	5.19	251.7	22.22	67.34	65.1	0	29.09
23	296	1600	7.46	325.3	11.4	64.19	68.72	0	29.08
23	296	1700	8.24	328	11.7	60.73	85.3	0	29.1
23	296	1800	4.78	338.9	11.03	56.49	96.8	0	29.11
23	296	1900	6.263	283.2	12.85	55.47	94.3	0	29.13
23	296	2000	8.87	267.3	12.9	54.59	64.08	0	29.16
23	296	2100	8.78	237.2	6.664	51.28	71.4	0	29.17
23	296	2200	7.85	218.7	9.11	50.66	72.9	0	29.18
23	296	2300	8.15	205.6	7.98	50.48	75.1	0	29.18
24	297	0	6.685	212	8.57	49.22	83.5	0	29.19
24	297	100	4.759	236.5	10.74	46.34	93.9	0	29.19
24	297	200	5.867	261	8.96	46.24	95.2	0	29.2
24	297	300	5.195	250.3	11.45	44.55	100	0	29.2
24	297	400	5.313	249.7	13.17	44.1	99.3	0	29.2
24	297	500	4.01	215.6	17.16	43.56	98.7	0	29.21
24	297	600	6.386	180.5	8.65	42.68	100.3	0	29.22
24	297	700	5.834	168.1	5.768	41.62	100.3	0	29.23
24	297	800	9.59	176.2	8.18	45.33	100.4	0	29.28
24	297	900	10.57	182.5	9.03	49.09	98.5	0	29.31
24	297	1000	11.26	182	9.48	53.43	86	0	29.32
24	297	1100	13.07	176.7	10.8	56.94	72.9	0	29.31
24	297	1200	10.9	178.1	13.63	59.19	63.41	0	29.28
24	297	1300	12.8	185	12.47	60.6	57.34	0	29.26
24	297	1400	10.93	198	14.07	60.65	55.89	0	29.25
24	297	1500	7.76	248.9	14.94	59.35	56.31	0	29.22
24	297	1600	6.756	270.8	12.12	58.79	59.68	0	29.22
24	297	1700	6.473	249.9	10	57.24	61.51	0	29.21
24	297	1800	5.493	233.8	8.67	54.4	63.19	0	29.19
24	297	1900	4.418	176.4	13.21	52.43	68.84	0	29.17
24	297	2000	4.353	193.5	17.26	50.15	74.7	0	29.17
24	297	2100	5.913	194.4	9.74	49.76	74.5	0	29.17
24	297	2200	4.666	177.1	10.35	50.14	77	0	29.17
24	297	2300	5.385	174.2	7.28	50.12	82.7	0	29.15
25	298	0	3.947	200.8	16.86	48.68	85.8	0	29.14
25	298	100	5.135	208.1	13.72	49.25	77.1	0	29.14
25	298	200	6.587	204.2	10.18	49.72	72.9	0	29.14
25	298	300	9.27	227.9	9.64	50.07	77.6	0	29.15
25	298	400	10.16	271.6	17.49	47.05	88.2	0	29.16
25	298	500	8.16	247.2	10.7	45.48	94	0	29.16
25	298	600	9.56	248.6	11.39	45.08	94.3	0	29.18
25	298	700	7.68	214.6	11.57	43.42	100.4	0	29.19
25	298	800	8.33	248.6	12.41	44.9	98.9	0	29.21
25	298	900	8.99	299.6	16.18	45.97	95	0	29.26

ASH LANDFILL  
MID-PROJECT REPORT

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
25	298	1000	7.98	309.6	18.47	45.9	96.3	0	29.26
25	298	1100	6.782	304.9	18.61	46.58	97.4	0	29.27
25	298	1200	10.11	256.9	15.36	49.79	86.4	0	29.28
25	298	1300	13.19	254.7	13.59	52	72.2	0	29.28
25	298	1400	11.77	286	16.94	50.38	80.2	0	29.28
25	298	1500	10.54	288.7	19.14	49.85	78.4	0	29.28
25	298	1600	8.7	297.3	18.66	50.75	76.1	0	29.29
25	298	1700	4.989	319.9	14.3	47.66	81.8	0	29.29
25	298	1800	3.056	352.9	1.024	45.66	90.6	0	29.28
25	298	1900	3.549	359.6	9.03	42.75	99.5	0	29.29
25	298	2000	2.757	329.1	10.26	42.76	100.4	0	29.3
25	298	2100	3.178	322.1	7.51	43.47	100.4	0	29.32
25	298	2200	3.385	315.8	13.52	44.2	100.4	0	29.33
25	298	2300	2.701	309.4	8.09	43.17	100.4	0	29.32
26	299	0	4.239	277.3	13.21	42.35	100.4	0	29.31
26	299	100	3.274	255.8	11.17	41.32	100.3	0	29.31
26	299	200	4.066	211.2	15.58	41.98	100.3	0	29.31
26	299	300	4.453	199.7	21.95	41.63	100.3	0	29.31
26	299	400	3.535	204.3	15.91	41.56	100.3	0	29.31
26	299	500	4.21	225.5	10.4	42.15	98.5	0	29.31
26	299	600	5.328	206.4	9.4	42.95	90	0	29.32
26	299	700	5.597	207.1	9.05	42.97	89.6	0	29.33
26	299	800	6.883 <sup>(1)</sup>	197.2	10.95	43.46	89.9	0	29.35
26	299	900	6.893 <sup>(1)</sup>	217.2	11.01	44.53	89.5	0	29.37
26	299	1000	6.939 <sup>(1)</sup>	228.5	13.56	46.63	85.8	0	29.38
26	299	1100	6.779	232	24.89	51.04	72	0	29.42
26	299	1200	4.767	215.4	32.36	49.36	75.9	0	29.4
26	299	1300	8.29	296.4	26.53	49.9	71.5	0	29.37
26	299	1400	8.04	310.8	18.73	50.57	67.47	0	29.36
26	299	1500	8.57	310.3	17.29	50.32	69.04	0	29.36
26	299	1600	8.67	320.1	13.78	49.53	72.7	0	29.36
26	299	1700	7.59	320	12.8	48.03	76.1	0	29.37
26	299	1800	4.565	351.9	11.97	45.92	87.2	0	29.38
26	299	1900	2.899	10.03 <sup>(2)</sup>	3.045	40.62 <sup>(4)</sup>	99.9	0	29.38
26	299	2000	1.397	10.39 <sup>(2)</sup>	0.089	35.21 <sup>(4)</sup>	100.3	0	29.37
26	299	2100	0.606	10.39 <sup>(2)</sup>	0.075	35.09	100.3	0	29.38
26	299	2200	3.13	231.1	19.51	35.39	100.3	0	29.37
26	299	2300	2.775	214.8	10.19	37.36	100.3	0	29.37
27	300	0	3.585	41.91	13	39.97	100.3	0	29.39
27	300	100	2.479	34.34	0.214	39.82	100.3	0	29.39
27	300	200	3.7	35.07	37.06	41.12	100.3	0	29.38
27	300	300	3.678	206	30.22	42.58	100.3	0	29.38
27	300	400	4.784	224.1	12.76	43.22	99.9	0	29.39
27	300	500	4.164	235.6	18.19	43.43	100.1	0	29.4
27	300	600	4.344	231.8	12.4	43.57	100.4	0	29.42
27	300	700	5.975	269.5	11.31	44.06	100.4	0	29.43
27	300	800	6.393	276.5	15.14	44.51	100.4	0	29.45
27	300	900	6.579	298.6	16.37	45.13	100.4	0	29.47
27	300	1000	7.62	294.2	19.18	47.25	97.4	0	29.49
27	300	1100	10.08	295.8	19.28	49.73	82.2	0	29.5
27	300	1200	9.96	298.8	19.63	50.16	77.1	0	29.5
27	300	1300	9.77	297.8	18.68	50.93	71	0	29.48
27	300	1400	7.31	309.2	15.51	50.05	72.6	0	29.45
27	300	1500	6.201	340.9	11.44	49.55	75.5	0	29.45
27	300	1600	5.892	322.7	13.4	49.81	72.8	0	29.45
27	300	1700	5.218	314.5	14.78	50.52	70.4	0	29.45
27	300	1800	5.077	281.3	12.84	47.98	74	0	29.44
27	300	1900	3.635	276.3	10.98	44.83	84.3	0	29.44



Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
27	300	2000	3.922	219.2	11.34	40.48	100.1	0	29.42
27	300	2100	4.25	195.5	9.77	39.15	100.3	0	29.42
27	300	2200	4.338	185.1	7.66	42.46	100.3	0	29.43
27	300	2300	5.161	164.6	5.938	40.74	100.3	0	29.43
28	301	0	6.302	176.8	7.43	39.09	100.3	0	29.42
28	301	100	8.2	184.3	6.069	40.47	100.3	0	29.43
28	301	200	9.98	191.4 <sup>(2)</sup>	7.8	41.68	100.3	0	29.44
28	301	300	10.99	191 <sup>(2)</sup>	8.34	42.14	100.3	0	29.44
28	301	400	10.88	191.3 <sup>(2)</sup>	9.06	41.53	100.3	0	29.44
28	301	500	12.02	186.7	8.53	40.49	100.3	0	29.44
28	301	600	11.26	183.4	7.08	39.78	100.3	0	29.44
28	301	700	11.99	179.8	7.59	39.75	100.3	0	29.45
28	301	800	13.9	184.9	8.37	41.34	100.3	0	29.48
28	301	900	16.14	182.1	7.94	44.22	99.4	0	29.51
28	301	1000	14.08	181.5	8.84	48.64	88.1	0	29.52
28	301	1100	13.49	183.3	9.39	53.41	73	0	29.52
28	301	1200	13.37	181.9	9.46	56.75	62.75	0	29.51
28	301	1300	15.21	178.7	9.5	58.51	57.1	0	29.48
28	301	1400	13.37	177.9	11.28	60.59	52.36	0	29.46
28	301	1500	12.36	180.6	10.04	62.26	49.96	0	29.45
28	301	1600	12.4	179.2	8.85	62.15	51.36	0	29.43
28	301	1700	10.63	179.4	7.17	59.26	57.03	0	29.41
28	301	1800	8.07	172.4	7.75	54.39	67.61	0	29.39
28	301	1900	10.59	173.3	7.87	53.93	66.86	0	29.4
28	301	2000	11.11	168.9	9.63	53.39	71.5	0	29.4
28	301	2100	14.27	186.3	8.52	52.47	71.2	0	29.4
28	301	2200	14.17	194.2	9.51	52.29	72.5	0	29.39
28	301	2300	14.79	196.4	9.5	51.52	76.2	0	29.38
29	302	0	15.75	195	9.62	50.92	76.2	0	29.37
29	302	100	13.65	193.2	9.29	50.23	78.3	0	29.38
29	302	200	13.51	189.9	8.45	49.73	77.8	0	29.38
29	302	300	13.94	183.1	7.18	49.16	80.5	0	29.37
29	302	400	14.2	181.5	6.595	48.72	88.3	0	29.36
29	302	500	12.91	183.9	7.5	48.8	87.8	0	29.37
29	302	600	12.37	183.4	6.99	48.63	86.6	0	29.38
29	302	700	10.98	177.2	7.58	48.47	91.4	0	29.38
29	302	800	13.03	178.5	7.94	49.96	88.6	0	29.38
29	302	900	15.22	184.6	7.85	52.65	76	0	29.39
29	302	1000	14.86	187.1	8.76	54.63	69.24	0	29.4
29	302	1100	14.83	182.2 <sup>(2)</sup>	7.79	57.39	61.91	0	29.4
29	302	1200	13.23	183.1 <sup>(2)</sup>	8.2	59.62	58.08	0	29.38
29	302	1300	11.77	182.6 <sup>(2)</sup>	8.28	61.8	54.88	0	29.36
29	302	1400	10.25	198.4	11.43	64.24	48.95	0	29.36
29	302	1500	9.1	202.9	11.53	65.6	45.33	0	29.35
29	302	1600	7.96	194.2	10.66	64.2	47.85	0	29.33
29	302	1700	9.14	183.4	7.66	61.86	52.49	0	29.31
29	302	1800	9.86	178	7.85	58.79	59.66	0	29.31
29	302	1900	10.61	202	9.46	59.97	47.08	0	29.32
29	302	2000	11.08	200.2	9.9	58.83	48.77	0	29.34
29	302	2100	10.71	198.4	9.63	57.62	51.77	0	29.35
29	302	2200	12.6	194.3	8.98	57.17	54.01	0	29.36
29	302	2300	11.35	199.4	9.17	56.36	58.44	0	29.37
30	303	0	9.77	204.9	9.78	56.22	54.28	0	29.37
30	303	100	7.44	183.2	7.74	54.21	56.76	0	29.37
30	303	200	8.65	174.9	6.693	52.22	64.48	0	29.36
30	303	300	7.74	163.6	9.22	51.62	77.1	0	29.36
30	303	400	9.53	179.7	5.723	50.19	80.3	0	29.36
30	303	500	9.69	191.2	6.36	50.24	79.2	0	29.37

ASH LANDFILL  
MID-PROJECT REPORT

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
30	303	600	9.64	189.6	7.48	50.2	88.1	0	29.38
30	303	700	8.8	184.5	7.69	50.92	83	0	29.4
30	303	800	6.936	178.2 <sup>(2)</sup>	9.29	51.26	79.9	0	29.42
30	303	900	7.85	178.4 <sup>(2)</sup>	7.59	53.25	76.6	0	29.44
30	303	1000	6.539	178.9 <sup>(2)</sup>	8.45	55.71	69.16	0	29.45
30	303	1100	7.67	189.4	9.95	59.02	64.37	0	29.47
30	303	1200	8.81	192.5	15.25	63.09	57.21	0	29.48
30	303	1300	8.51	189.9	14.48	63.45	61.03	0	29.46
30	303	1400	10.35	178.2	10.4	63.07	60.5	0	29.44
30	303	1500	9.44	189.7	12.09	63.96	59.43	0	29.42
30	303	1600	7.7	205.2	10.89	62.99	62.45	0	29.41
30	303	1700	6.361	181.1	7.81	58.81	75.8	0	29.39
30	303	1800	5.5	201.2	13.4	56.72	77.9	0	29.38
30	303	1900	4.865	245.1	46.13	54.04	84.8	0	29.39
30	303	2000	5.302	278.5	14.3	55.7	79.3	0	29.4
30	303	2100	2.942	300.6	11.03	56.25	78.2	0	29.4
30	303	2200	2.621	192.9	30.74	54.7	85.3	0	29.4
30	303	2300	2.495	164.3	3.793	53.97	90.3	0	29.39
31	304	0	2.681	158.2	0.359	54.19	91.4	0	29.39
31	304	100	2.916	156.8	0.645	52.84	96.9	0	29.38
31	304	200	3.751	142.9	1.018	53.26	94	0	29.37
31	304	300	2.578	153.3	1.508	52.92	95.5	0	29.36
31	304	400	3.483	138.9	37.38	52.06	99.9	0	29.35
31	304	500	4.378	9.18	5.359	51.32	100.3	0	29.35
31	304	600	4.952	49.14	5.213	50.45	100.3	0	29.34
31	304	700	3.939	37.95 <sup>(2)</sup>	0.234	49.99	99.7	0	29.35
31	304	800	1.694	37.95 <sup>(2)</sup>	0.166	48.9	100.3	0	29.35
31	304	900	2.133	37.62 <sup>(2)</sup>	0.46	53.9	90.3	0	29.36
31	304	1000	2.517	38.87	1.62	57.09	79.3	0	29.36
31	304	1100	3.794	166.5	27.3	57.53	81.7	0	29.34
31	304	1200	3.78	246.8	13.28	57.59	83.5	0	29.32
31	304	1300	3.272	252.3	25.17	58.5	82.9	0	29.29
31	304	1400	4.441	114.1	7.42	55.69	96.7	0.11	29.26
31	304	1500	5.175	158.4	14.21	52.52	100.3	0.37	29.24
31	304	1600	5.281	118.5	6.006	52.14	100.3	0.14	29.19
31	304	1700	4.339	63.99	37.36	51.85	100.3	0.1	29.18
31	304	1800	4.376	49.38	10.49	51.2	100.3	0.11	29.17
31	304	1900	3.733	103.6	6.942	51.16	100.3	0.24	29.17
31	304	2000	4.111	98.9	6.445	50.89	100.3	0.28	29.14
31	304	2100	5.336	20.35	18.27	49.2	100.3	0.03	29.1
31	304	2200	5.61	4.249	6.506	47.81	100.3	0.05	29.06
31	304	2300	5.662	0.369	10.14	47.55	100.3	0.12	29.02
1-Nov	305	0	5.565	9.96	8.08	47.37	100.3	0.13	28.99
1	305	100	4.696	7.15	4.587	47.37	100.3	0	28.95
1	305	200	3.326	46.09	16.41	47.74	100.3	0.2	28.91
1	305	300	1.824	93.1	0.108	47.88	100.3	0.3	28.88
1	305	400	1.466	93.1	0.065	48.15	100.3	0.03	28.84
1	305	500	4.086	46.57	23.74	48.27	100.3	0	28.82
1	305	600	3.754	358.8	6.345	48.28	100.3	0.01	28.78
1	305	700	2.819	22.62	9.54	48.41	100.3	0.26	28.74
1	305	800	3.207	196.1	24.78	49.2	100.3	0.54	28.71
1	305	900	2.96	228	5.485	49.6	100.3	0.09	28.69
1	305	1000	4.485	242.5	28.35	50.28	100.3	0.19	28.68
1	305	1100	3.677	107.8	30.15	52.31	100.3	0.07	28.68
1	305	1200	5.197	155.5	32.71	54.25	100.3	0.04	28.65
1	305	1300	3.838	103.6	22.19	56.27	100.3	0	28.64
1	305	1400	5.223	330.4	12.35	55.29	100.3	0	28.62
1	305	1500	7.79	336.6	10.25	54.7	100.3	0	28.61

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP InHg
1	305	1600	9.15	324.3	12.32	52.41	100.3	0.09	28.61
1	305	1700	9.39	323	11.12	49.99	100.3	0.25	28.63
1	305	1800	9.12	320.2	11.32	49.02	100.3	0.21	28.65
1	305	1900	8.4	302.7	13.86	48.8	100.3	0.12	28.66
1	305	2000	11.63	274.9	13.74	48.09	100.3	0.19	28.68
1	305	2100	9.54	274.4	12.35	47.22	100.3	0.26	28.71
1	305	2200	10.72	283.5	16.61	46.27	100.3	0.2	28.72
1	305	2300	12.42	267.3	12.31	43.98	100.4	0.17	28.72
2	306	0	9.71	250.1	10.87	42.88	100.4	0.19	28.72
2	306	100	10.63	273.6	13.33	43.53	100.4	0.17	28.72
2	306	200	13.5	297	14.54	43.06	100.4	0.06	28.74
2	306	300	17.18	295.9	16.21	42.19	100.4	0	28.77
2	306	400	20.14	299.6	15.32	41.43	100.3	0	28.8
2	306	500	16.28	295.1	15.67	40.72	100.3	0	28.85
2	306	600	16.74	292	16.02	40.12	100.3	0	28.9
2	306	700	18.06	291.3	16.08	39.88	100.3	0.07	28.95
2	306	800	16.9	292.4	16.03	40.65	100.3	0	29
2	306	900	16.48	295.9	15.98	41.88	100	0	29.04
2	306	1000	16.29	303.4	14.53	43.37	99.6	0	29.08
2	306	1100	18.11	298.2 <sup>(2)</sup>	16.51	45.52	93	0	29.12
2	306	1200	20.55	298.4 <sup>(2)</sup>	15.88	48.23	80.9	0	29.16
2	306	1300	19.37	297.4 <sup>(2)</sup>	15.95	50.59	70.4	0	29.18
2	306	1400	18.51	294.1	16.02	51.85	64.02	0	29.2
2	306	1500	16.46	292.4	16.65	51.92	62.19	0	29.22
2	306	1600	16.01	300.7	15.71	52.05	59.01	0	29.25
2	306	1700	11.55	290.5	16.29	50.43	69.29	0	29.28
2	306	1800	10.88	278.1	13.53	47.55	83.4	0	29.3
2	306	1900	8.72	282.1	15.07	46.28	89.6	0	29.33
2	306	2000	8.52	284.3	15.63	45.65	93	0	29.35
2	306	2100	8.56	272.4	11.3	44.88	95.5	0	29.37
2	306	2200	6.878	262.3	7.8	43.03	100.3	0	29.37
2	306	2300	5.76	239.1	8.17	40.28	100.3	0	29.37
3	307	0	5.365	188.4	11.23	40.61	100.3	0	29.37
3	307	100	4.36	192.6	11.78	39.88	100.3	0	29.36
3	307	200	4.56	208.9	8.4	38.94	100.3	0	29.37
3	307	300	4.221	187.8	15.16	37.57	100.3	0	29.38
3	307	400	4.611	175.9	14.42	37.88	100.3	0	29.39
3	307	500	6.351	165.1	7.7	38.04	100.3	0	29.39
3	307	600	7.24	169.7	7.61	38.12	100.3	0	29.39
3	307	700	9.21	174.7	7.55	38.2	100.3	0	29.39
3	307	800	10.95	177.9	8.13	40.49	100.3	0	29.41
3	307	900	10.59	172.5	10.17	43.57	100.4	0	29.43
3	307	1000	13.01	176.5	8.57	47.07 <sup>(4)</sup>	96.1	0	29.43
3	307	1100	14.86	180.4 <sup>(2)</sup>	8.05	52.2 <sup>(4)</sup>	82	0	29.41
3	307	1200	15.18	181 <sup>(2)</sup>	7.77	57.08	66.35	0	29.38
3	307	1300	12.55	181.4 <sup>(2)</sup>	8.02	59.04	65.56	0	29.34
3	307	1400	10.42	177.2	9.89	62.69	53.27	0	29.34
3	307	1500	8.64	183.7	8.12	63.1	52.06	0	29.34
3	307	1600	9.5	186.3	10.02	62.79	50.67	0	29.33
3	307	1700	9.16	192.8	7.41	61.13	55.08	0	29.34
3	307	1800	8.25	194.7	8.39	60.29	55.86	0	29.34
3	307	1900	9.72	186.4	8.43	59.09	62.79	0	29.34
3	307	2000	9.72	179.6	6.892	58.64	66.19	0	29.34
3	307	2100	8.85	168.8	10.18	59.35	67.03	0	29.35
3	307	2200	9.89	176.9	8.06	59.26	68.93	0	29.35
3	307	2300	9.6	176.5	8.9	59.86	66.41	0	29.33
4	308	0	10.44	185.2	7.28	58.18	75.4	0	29.33
4	308	100	9.87	185.3	8.6	57.96	74.6	0	29.36

ASH LANDFILL  
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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
4	308	200	9.3	182.5	7.05	57.82	77	0	29.37
4	308	300	8.57	170.6	9.38	58.04	69.48	0	29.35
4	308	400	7.87	172.4	9.09	58.02	68.25	0	29.34
4	308	500	10.36	175.5 <sup>(2)</sup>	8.31	58.36	66.86	0	29.34
4	308	600	9.05	174.7 <sup>(2)</sup>	8.33	57.73	71.3	0	29.34
4	308	700	9.94	174.7 <sup>(2)</sup>	11.14	57.73	74.7	0	29.34
4	308	800	11.02	181.2	8.58	58.5	75.2	0	29.36
4	308	900	11.35	175.4	8.57	60.51	70.6	0	29.37
4	308	1000	10.84	178.2	8.49	62.64 <sup>(4)</sup>	70.4	0	29.37
4	308	1100	10.92	189.5	9.27	68.34 <sup>(4)</sup>	65.62	0	29.38
4	308	1200	10.03	206.6	12.55	72.8	62.59	0	29.37
4	308	1300	9.65	195.3	12.63	74.7	63.03	0	29.35
4	308	1400	8.86	180.3	8.77	74	65.16	0	29.33
4	308	1500	7.02	185.5	9.32	72.1	71.6	0	29.31
4	308	1600	9.11	178.6	9.19	71.4	70.4	0	29.3
4	308	1700	8.08	171.1	8.5	69.5	74.1	0	29.29
4	308	1800	8.32	177	8.53	69.29	75.2	0	29.28
4	308	1900	13.79	186.1	6.721	68.11	78.9	0	29.29
4	308	2000	12.52	184.1	7.24	67.5	80.1	0	29.28
4	308	2100	14.36	185.3	6.926	65.98	84.7	0	29.27
4	308	2200	13.75 <sup>(1)</sup>	185	7.49	65.12	85.7	0	29.27
4	308	2300	13.72 <sup>(1)</sup>	187.9	7.6	64.4	85.4	0	29.26
5	309	0	13.67 <sup>(1)</sup>	185.6	7.12	64.13	85.8	0	29.25
5	309	100	11.87	186	7.56	64.09	85.6	0	29.25
5	309	200	11.65	184.5	7.49	64.4	84.8	0	29.25
5	309	300	11.92	188.4	7.65	63.95	85.2	0	29.25
5	309	400	9.35	185.5	7.56	63	87.3	0	29.24
5	309	500	7.28	196.7	9.58	63.32	85.1	0	29.25
5	309	600	5.996	179.2	27.36	62.42	87.1	0	29.26
5	309	700	4.418	177.5	17.22	60.89	94.9	0	29.28
5	309	800	4.008	55.9	23.1	58.48	100.3	0.03	29.29
5	309	900	3.846	157.8	18.15	59.85	100.3	0	29.29
5	309	1000	5.457	203.1	16.76	62.61	93.8	0	29.29
5	309	1100	6.207	210.4	11.82	63.93	86.6	0	29.31
5	309	1200	7.64	224.4	12.5	64.81	84	0	29.3
5	309	1300	7.29	243	10.25	65.78	81	0	29.29
5	309	1400	5.125	280.2	17.6	64.4	84.2	0	29.3
5	309	1500	9.55	306.5	14.24	62.59	94.3	0	29.32
5	309	1600	4.203	335.3	11.31	59.85	100.3	0	29.33
5	309	1700	6.086	78.6	15.76	58.79	100.4	0	29.32
5	309	1800	6.352	105.2	5.648	57.91	100.3	0	29.31
5	309	1900	6.805	95.4	4.596	57.91	100.3	0	29.3
5	309	2000	6.324	116.2	6.072	58.28	100.3	0	29.3
5	309	2100	6.394	128.4	12.13	58.52	100.3	0	29.28
5	309	2200	5.816	125.3	8.08	57.95	100.3	0	29.26
5	309	2300	5.172	112.7	3.66	56.61	100.3	0	29.22
6	310	0	4.999	117.5	4.962	55.68	100.3	0	29.19
6	310	100	4.891	125.3	3.32	54.82	100.3	0	29.18
6	310	200	6.969	124.6	9.35	56.88	100.3	0	29.15
6	310	300	5.515	116.5	8.45	56.87	100.3	0	29.14
6	310	400	7.86	112.2	4.131	56.52	100.3	0	29.11
6	310	500	8.97	118.6	7.44	57.96	97.8	0	29.08
6	310	600	8.06	144.9	11.46	58.76	91.8	0	29.05
6	310	700	9.59	170.1	11.32	59.73	92	0	29.04
6	310	800	9.14	166.5	11.02	60.45	97	0	29.02
6	310	900	12.86	177.3	10.95	61.74	98.9	0	28.99
6	310	1000	16.81	176.6	9.37	62.35	99.6	0	28.97
6	310	1100	21.24	180.6	9.05	67.21	85.5	0	28.94

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
6	310	1200	18.62	187.6	8.95	66.13	88.9	0	28.91
6	310	1300	17.11	216.1	12.19	66.83	83.1	0	28.89
6	310	1400	20.65	238.1	9.7	66.67	73.6	0	28.91
6	310	1500	20.93	231.1	10.61	65.51	74.8	0	28.92
6	310	1600	26.94 <sup>A</sup>	243.1	10.7	61.22	82.7	0	28.95
6	310	1700	25.73 <sup>A</sup>	257.1	11.88	57.67	87.2	0	29.01
6	310	1800	19.92	267.4	12.24	54.27	89.7	0	29.07
6	310	1900	16.13	272	12.94	52.43	94.8	0	29.11
6	310	2000	17.54	270.6	13.98	49.91	98.7	0	29.12
6	310	2100	16.36	283.6	16.95	47.71	99.8	0	29.15
6	310	2200	18.08	286.2	16.88	46.61	91.6	0	29.17
6	310	2300	18.3	285.3	16.73	45.91	86.4	0	29.21
7	311	0	18.66	287.8	16.57	45.01	84.4	0	29.25
7	311	100	15.8	289.9	16.42	44.47	84.9	0	29.28
7	311	200	16.81	304.8	14.74	42.07	95.3	0.02	29.33
7	311	300	15.85	304.6	15.35	40.01	100.3	0.02	29.36
7	311	400	15.16	306	15.01	40.52	100	0	29.4
7	311	500	13.2	296.5	15.46	40.9	98.3	0	29.45
7	311	600	10.55	294	15.28	39.31	95.3	0	29.49
7	311	700	9.95	288.3	15.88	38.45	90.5	0	29.53
7	311	800	9.13	281.7	14.49	39.47	85.5	0	29.57
7	311	900	11.01	292.6	15.59	42.74	81	0	29.61
7	311	1000	10.57	291.1	17.15	45.67	73.2	0	29.63
7	311	1100	12.89	290.4	17.37	47.38	68.69	0	29.65
7	311	1200	12.83	292.3	18.02	49.35	63.86	0	29.66
7	311	1300	12.3	293.1	19.02	51.11	58.67	0	29.65
7	311	1400	11.41	299.7	18.66	52.36	56.88	0	29.64
7	311	1500	9.56	287.9	21.19	53.13	54.44	0	29.63
7	311	1600	8.95	297.2	16.53	53.02	52.96	0	29.64
7	311	1700	5.709	280.9	14.44	48.72	60.7	0	29.61
7	311	1800	2.775	233.7	14.41	44.87	73.1	0	29.58
7	311	1900	4.178	186.9	9.34	43.07	79.9	0	29.56
7	311	2000	4.89	158.3	9.55	45.41	77.5	0	29.54
7	311	2100	4.759	161	10.7	44.31	81.8	0	29.52
7	311	2200	4.622	153.9	9.64	44.45	88.9	0	29.51
7	311	2300	8.73	177.3	8.64	45.73	88.1	0	29.48
8	312	0	11.67	182.7	7.32	46.48	86.3	0	29.46
8	312	100	13.53	184.6	7.19	46.92	87.2	0	29.43
8	312	200	14.54	185.9	7.54	47.45	79.8	0	29.41
8	312	300	13.77	185.9	7.95	47.6	80.4	0	29.38
8	312	400	12.23	184.2	7.28	47.64	77.9	0	29.36
8	312	500	11.64	182.3	6.687	48.23	68.55	0	29.35
8	312	600	14.38	181	7.52	49.54	64.49	0	29.33
8	312	700	13.78	186.4	7.58	49.65	62.23	0	29.32
8	312	800	13.25	188.8	7.61	50.05	63.46	0	29.32
8	312	900	12.45	190.8	8.21	51.9	61.88	0	29.32
8	312	1000	14.09	184.2	8.28	55.07	55.77	0	29.33
8	312	1100	10.34	182.9	9.52	56.87	55.47	0	29.31
8	312	1200	8.55	183.2	15.52	60.43	48.91	0	29.31
8	312	1300	5.898	235.4	20.31	63.31	45.19	0	29.29
8	312	1400	4.317	265.1	23.74	65.96	41.95	0	29.28
8	312	1500	3.895	329	17.86	63.58	46.49	0	29.25
8	312	1600	3.963	0.429	13.96	61.94	50.6	0	29.23
8	312	1700	5.391	302.4	20.85	60.54	52.69	0	29.21
8	312	1800	3.402	334.7	15.96	57.81 <sup>(4)</sup>	58.77	0	29.2
8	312	1900	4.264	95.2	15.79	52.46 <sup>(4)</sup>	72.1	0	29.18
8	312	2000	4.432	145.8	10.49	50.87	77.3	0	29.17
8	312	2100	6.296	187.2	7.44	53.36	76.3	0	29.17

ASH LANDFILL  
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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
8	312	2200	6.196	193	7.01	53.87	78.9	0	29.16
8	312	2300	6.504	188.1	6.318	53.55	81.8	0	29.15
9	313	0	6.062	184.2	9	53.81	84.9	0	29.15
9	313	100	7.81	240.4	20.88	58.28	76.1	0	29.15
9	313	200	9.21	283.3	16.09	59.96	76.7	0	29.16
9	313	300	6.023	336.5	11.11	57.77	85	0	29.16
9	313	400	7.77	334.9	10.45	54.79	99.5	0	29.15
9	313	500	6.806	340.4	10.24	53.77	100.3	0	29.15
9	313	600	9.46	322.1	10.44	50.94	100.3	0	29.17
9	313	700	7.71	336.8	11.1	49.55	100.3	0	29.17
9	313	800	6.057	321.2	12.11	49.24	100.3	0.02	29.19
9	313	900	7.05	326.7	10.92	49.22	100.3	0	29.21
9	313	1000	8.12	331.3	11.45	49.33	100.3	0	29.22
9	313	1100	7.86	333.8	10.41	49.74	100.3	0.06	29.24
9	313	1200	6.203	338.6	11.31	49.5	100.3	0.06	29.24
9	313	1300	6.47	336.6	12.41	50.3	100.3	0	29.23
9	313	1400	6.385	331.7	12.96	51.26	100.3	0	29.22
9	313	1500	7.56	356.5	9.95	50.49	100.3	0	29.21
9	313	1600	5.747	333.6	11.44	49.91	100.3	0	29.23
9	313	1700	6.083	350.3	10.08	49.12	100.3	0	29.24
9	313	1800	7.91	357.7	7.96	47.93	100.3	0	29.24
9	313	1900	5.438	1.334	7.25	46.71	100.3	0	29.25
9	313	2000	5.48	354	8.59	45.78	100.3	0	29.27
9	313	2100	5.237	355.9	7.65	44.93	100.3	0	29.27
9	313	2200	7.93	4.699	7.82	44.88	91.7	0	29.29
9	313	2300	7.59	0.557	8.67	44	83.2	0	29.31
10	314	0	5.447	353	14.31	43.34	85.3	0	29.32
10	314	100	3.114	43.58	12.31	42.77	85.5	0	29.31
10	314	200	5.041	14.35	16.34	42.19	88.6	0	29.31
10	314	300	5.616	344.8	8.85	41.89	90.4	0	29.31
10	314	400	6.421	338.3	8.17	41.34	90	0	29.32
10	314	500	4.572	330.2	8.58	39.15	95	0	29.32
10	314	600	6.884	322.6	10.16	39.28	96.9	0	29.35
10	314	700	5.789	313.2	12.87	38.5	100.1	0	29.37
10	314	800	4.841	308.9	12.28	39.92	99.4	0	29.4
10	314	900	7.11	299.4	15.42	43.75	91.7	0	29.45
10	314	1000	9.89	298.1	17.27	46.29	85.6	0	29.47
10	314	1100	15.11	310.5	16.81	47.12	72.1	0	29.47
10	314	1200	18.8	321.8	12.88	46.53	63.9	0	29.47
10	314	1300	18.65	324.4	12.51	46.53	66.3	0	29.48
10	314	1400	17.79	323.8	14.31	44.85	69.41	0	29.49
10	314	1500	15.26	318	14.24	44.28	60.54	0	29.5
10	314	1600	14.41	323.2	14.67	42.94	62.5	0	29.51
10	314	1700	11.94	329.1	11.66	40.16	65.01	0	29.51
10	314	1800	9.15	319.3	12.53	38.09	70.6	0	29.5
10	314	1900	8.07	304.4	14.87	37.45	74.4	0	29.51
10	314	2000	8.13	301.8	15.22	37.55	77	0	29.53
10	314	2100	10.46	310.1	13.72	38.02	79.2	0	29.54
10	314	2200	10.31	317.1	12.81	38.46	81.5	0	29.55
10	314	2300	13.27	335.2	11.38	38.16	80.1	0	29.56
11	315	0	13.03	331.1	12.03	37.42	77.9	0	29.57
11	315	100	12.62	340.9	11.31	37.02	74.4	0	29.59
11	315	200	11.83	352.3	10.48	36.27	70.2	0	29.59
11	315	300	9	347.6	10.26	36.09	72.8	0	29.6
11	315	400	10.71	349.6	10.48	35.2	69.8	0	29.61
11	315	500	7.52	343.6	13.47	34.93	72	0	29.62
11	315	600	7.16	352.4	10.19	35.04	74.9	0	29.62
11	315	700	7.2	345.6	11.22	34.49	74.5	0	29.63

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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
11	315	800	5.569	350.6	11.62	34.3	76	0	29.65
11	315	900	6.272	354.7	11.5	36.1	73.4	0	29.68
11	315	1000	8.43	350.4	13.95	37.76	74	0	29.7
11	315	1100	10.71	337.9	15.35	39.98	69.69	0	29.72
11	315	1200	9.58	327.4	21.35	40.98	67.88	0	29.72
11	315	1300	8.3	322.2	22.55	42.43	64.73	0	29.7
11	315	1400	8.05	313.8	25.95	43.26	62.68	0	29.7
11	315	1500	9.33	316	16.63	43.68	59.4	0	29.69
11	315	1600	8.19	333.9	13.15	43.57	59.07	0	29.68
11	315	1700	6.375	351.1	10.31	40.26	63.66	0	29.67
11	315	1800	5.971	26.62	5.868	35.3	79	0	29.65
11	315	1900	6.84	40.45	3.875	32.73	94.1	0	29.65
11	315	2000	4.915	43.32	1.224	30.61	100.3	0	29.65
11	315	2100	4.502	66.24	3.65	28.36	100.3	0	29.65
11	315	2200	2.862	72.3	0.229	26.97	100.2	0	29.65
11	315	2300	4.114	88.7	9.26	26.83	100.2	0	29.64
12	316	0	5.23	134.1	2.04	28.11	100.2	0	29.64
12	316	100	5.606	149.4	5.287	30.51	100.2	0	29.64
12	316	200	4.876	155.9	8.91	30.44	100.2	0	29.63
12	316	300	4.961	160.7	8.1	29.55	100.2	0	29.62
12	316	400	5.766	160.9	9.9	30.12	100.2	0	29.61
12	316	500	5.306	158.9	9.09	29.94	100.2	0	29.6
12	316	600	5.917	147.3	10.74	30.22	100.2	0	29.6
12	316	700	6.745	141.7	9.49	30.47	98.1	0	29.58
12	316	800	7.47	163.3	11.01	31.33	99.8	0	29.57
12	316	900	15.42	179.7	9.01	34.97	99.6	0	29.58
12	316	1000	18.39	177.7	9.25	38.45	90.6	0	29.58
12	316	1100	18.18	180	8.52	42.95	68.84	0	29.57
12	316	1200	16.79 <sup>(1)</sup>	182.1	8.51	47.34	63.49	0	29.53
12	316	1300	16.86 <sup>(1)</sup>	183	8.69	50.62	56.67	0	29.5
12	316	1400	16.85 <sup>(1)</sup>	185.5	8.32	52.31	52.21	0	29.48
12	316	1500	14.75	178.8	8.49	54.29	45.88	0	29.46
12	316	1600	14.86	180.3	7.46	53.91	46.93	0	29.44
12	316	1700	14.47	185.7	7.57	52.36	52.26	0	29.43
12	316	1800	13.1	189	8.22	51.41	52.97	0	29.42
12	316	1900	12.61	190.1	8.21	51.2	55.26	0	29.42
12	316	2000	10.22	191.2	7.55	50.94	58.7	0	29.42
12	316	2100	8.77	206.5	10.16	49.85	54.57	0	29.42
12	316	2200	4.868	235.6	16.55	47.82	60.42	0	29.43
12	316	2300	6.459	267.1	17.83	50.07	72.4	0	29.44
13	317	0	9.54	272.1	13.28	51.31	86.6	0	29.45
13	317	100	8.22	296.3	14.55	51.02	90.2	0	29.45
13	317	200	8.01	291.8	14.88	49.95	96.1	0	29.45
13	317	300	5.699	286.3	14.95	49.27	98.5	0	29.46
13	317	400	4.244	299.1	14.77	48.84	99.4	0	29.46
13	317	500	4.281	305.4	13.76	48.56	99.5	0	29.47
13	317	600	4.712	319.4	12.74	48.19	100.2	0	29.47
13	317	700	3.53	320.5	12.7	47.5	100.3	0	29.48
13	317	800	3.554	0.422	11.48	46.92	100.3	0	29.49
13	317	900	1.864	35.24	0.198	47.81	100.3	0	29.51
13	317	1000	2.919	31.79	1.005	49.07	99.9	0	29.52
13	317	1100	3.033	66.53	18.24	50.15	97.2	0	29.53
13	317	1200	3.317	185.6	16.98	50.76	95.1	0	29.53
13	317	1300	4.043	164.5	14.71	51.39	92.6	0	29.52
13	317	1400	5.675	106.8	15.12	52.04	92.7	0	29.51
13	317	1500	7.44	98.2	7.15	51.32	97.4	0	29.5
13	317	1600	7.9	99.2	5.799	51.11	96	0	29.5
13	317	1700	7.43	104.7	7.68	50.87	96.8	0	29.5

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
13	317	1800	7.91	123.9	8.97	50.75	91.6	0	29.49
13	317	1900	6.572	139.2	8.22	50.97	88	0	29.49
13	317	2000	5.732	129.3	8.62	50.89	91.8	0	29.49
13	317	2100	5.203	154.1	11.73	50.89	92.9	0	29.49
13	317	2200	6.729	144.9	16.63	50.98	93.3	0	29.48
13	317	2300	10.27	170.1	11.69	51.35	91.1	0	29.48
14	318	0	8.35	165.4	14.42	51.47	90.4	0	29.48
14	318	100	10.58	173.1	9.05	51.89	89.8	0	29.47
14	318	200	12.51	180.1	7.93	51.88	94.9	0	29.47
14	318	300	13.57	188.3	8.13	51.86	97	0	29.46
14	318	400	14.04	179.6	7.44	51.49	96.9	0	29.46
14	318	500	14.7	177.1	7.34	51.22	99.3	0	29.45
14	318	600	13.92	175.5	7.31	51.7	100.1	0	29.44
14	318	700	13.77	176	7.3	51.63	100.3	0	29.44
14	318	800	12.03	177.8	6.827	51.68	100.3	0	29.44
14	318	900	13.95	183.3	7.3	54.76	97.4	0	29.46
14	318	1000	14.47	181.8	7.44	56.26	94.5	0	29.46
14	318	1100	14.97	179.4	7.57	59.24	87	0	29.46
14	318	1200	14.7	178.4	8.01	63.15	76.3	0	29.44
14	318	1300	13.46	189.6	9.42	65.62	70.3	0	29.43
14	318	1400	15.22	185.4	8.56	65.84	71	0	29.41
14	318	1500	17	183.1	7.65	65.08	69.62	0	29.39
14	318	1600	14.25	185.1	7.73	63.09	72.4	0	29.38
14	318	1700	12.65	180.8	7.01	61.13	76	0	29.37
14	318	1800	13.02	180.4	7	60.47	78.4	0	29.36
14	318	1900	12.95	184.2	7.28	58.85	84	0	29.36
14	318	2000	14.3	181.2	7.79	59.37	81.8	0	29.38
14	318	2100	7.7	190.5	11.42	58.84	82.8	0	29.39
14	318	2200	7.48	179.8	10.21	57.96	85.7	0	29.39
14	318	2300	5.635	168.1	11.23	58.78	83.2	0	29.39
15	319	0	8.58	184.1	10.15	58.62	86.1	0	29.39
15	319	100	7.6	186.8	7.48	57.82	92	0	29.39
15	319	200	3.562	203.4	13.47	58.8	97.3	0	29.39
15	319	300	6.561	267.9	12.04	60.18	96	0	29.41
15	319	400	7.71	292.8	14.64	60.77	95.1	0	29.42
15	319	500	9.34	302.2	15.01	59.17	96.3	0	29.43
15	319	600	10.64	311.3	17.48	55.89	97.2	0	29.45
15	319	700	12.35	324.4	11.92	51.03	91.3	0	29.47
15	319	800	8.71	325.9	12.88	50.19	91.1	0	29.5
15	319	900	9.39	311.4	15.31	50.09	88.4	0	29.53
15	319	1000	9.66	304.5	17.19	50.23	83.9	0	29.55
15	319	1100	8.91	302.7	17.55	50.62	77.3	0	29.56
15	319	1200	10.54	310.4	14	50.5	78	0	29.56
15	319	1300	10.08	315.6	15.59	50.95	77	0	29.56
15	319	1400	10.82	326.2	12.48	50.1	78.4	0	29.55
15	319	1500	10.9	328.5	13.86	49.78	75	0	29.56
15	319	1600	8.57	333.6	13.18	49.18	72.8	0	29.57
15	319	1700	7.34	323.4	11.84	46.93	74.2	0	29.57
15	319	1800	4.153	328.2	8.62	43.56	82.4	0	29.56
15	319	1900	4.111	323.9	9.1	41.33	89.5	0	29.56
15	319	2000	4.535	324.3	9.59	40.14	97	0	29.56
15	319	2100	4.672	316.6	10.88	40.25	98	0	29.57
15	319	2200	4.563	329.1	8.77	40	99.5	0	29.58
15	319	2300	3.923	333.8	8.62	39.87	99.9	0	29.58
16	320	0	4.127	339.9	9.89	39.67	100.4	0	29.59
16	320	100	3.568	351.4	10.06	39.43	100.3	0	29.58
16	320	200	3.129	3.205	7.5	39.1	100.4	0	29.59
16	320	300	4.047	12.03	2.019	38.94	100.4	0	29.58



Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
16	320	400	4.092	18.95	0.687	37.82	100.4	0	29.58
16	320	500	4.377	26.52	1.45	38.31	100.4	0	29.58
16	320	600	3.559	34 <sup>(2)</sup>	0.372	37.08	100.3	0	29.58
16	320	700	3.857	34.16 <sup>(2)</sup>	0.197	36.6	100.3	0	29.6
16	320	800	2.065	34.07 <sup>(2)</sup>	0.169	36.59	100.3	0	29.61
16	320	900	0.69	34.03 <sup>(2)</sup>	0.1	38.52	100.3	0	29.64
16	320	1000	2.401	40.07	37.95	41.22	100.4	0	29.65
16	320	1100	3.151	196.3	32.33	43.2	100.4	0	29.65
16	320	1200	2.939	307.8	16.78	44.48	100.2	0	29.65
16	320	1300	3.345	335.5	17.56	45.34	94	0	29.64
16	320	1400	6.131	29.1	11.46	46.94	69.31	0	29.63
16	320	1500	4.741	31.56	11.72	47.37	68.99	0	29.63
16	320	1600	4.161	15.46	8.95	45.94	77.6	0	29.63
16	320	1700	4.746	47.07	9.18	43.47	86.7	0	29.61
16	320	1800	4.255	54.79	1.031	42.12	90	0	29.62
16	320	1900	2.953	66.39	2.928	41.21	95.6	0	29.62
16	320	2000	4.171	0.563	18.92	38.93	100.3	0	29.63
16	320	2100	4.846	17.53	10.82	36.98	100.3	0	29.63
16	320	2200	5.376	71.9	4.188	33.11	100.3	0	29.62
16	320	2300	3.233	29.35	23.04	30.44	100.3	0	29.6
17	321	0	3.02	357.4	11.32	29.46	100.3	0	29.59
17	321	100	3.856	59.34	8.37	28.45	100.3	0	29.57
17	321	200	4.89	150.7	9.41	30.24	100.2	0	29.58
17	321	300	2.929	157.1	6.758	30.17	100.2	0	29.58
17	321	400	5.307	153.6	8.17	32.94	100.3	0	29.59
17	321	500	6.645	157.9	7.35	33.29	100.3	0	29.59
17	321	600	4.795	137.5	6.549	31.86	100.3	0	29.6
17	321	700	6.531	123.5	6.724	31.74	100.3	0	29.59
17	321	800	3.411	110.3	0.722	30.47 <sup>(4)</sup>	100.3	0	29.6
17	321	900	4.023	133.6	13.07	39.23 <sup>(4)</sup>	93.7	0	29.65
17	321	1000	5.374	186.1	12.32	43.76	82	0	29.69
17	321	1100	8.9	181.6	10.11	46.91	66.61	0	29.69
17	321	1200	6.641	185.3	15.79	50.83	51.78	0	29.66
17	321	1300	5.539	163.1	40.51	54.9	44.65	0	29.64
17	321	1400	7.44	145	24.76	56.24	38.89	0	29.62
17	321	1500	9.42	120	14.71	57.09	34.65	0	29.6
17	321	1600	9.89	127.4	13.03	57.17	35.55	0	29.59
17	321	1700	8.19	123.7	9.7	53.79	40.32	0	29.57
17	321	1800	8.32	143.7	7.85	50.58	42.65	0	29.55
17	321	1900	9.54	139.2	9.37	50.45	38.4	0	29.55
17	321	2000	7.12	163.5	16.44	50.32	41.51	0	29.55
17	321	2100	4.932	151.3	9.91	50.14	51.5	0	29.54
17	321	2200	6.05	146.6	9.58	50.53	67.66	0	29.53
17	321	2300	4.363	180.1	15.8	49.27	79	0	29.52
18	322	0	4.334	176.1	11.32	48.49	83	0	29.5
18	322	100	6.695	173.5	8.75	47.23	89.4	0	29.48
18	322	200	6.424	155.4	8.69	47.12	89.8	0	29.46
18	322	300	7.75	150.7	8.78	47.38	90.2	0	29.44
18	322	400	8.13	159.7	9.61	47.46	91.6	0	29.43
18	322	500	9.71	169.9	9.23	48.57	94.4	0	29.44
18	322	600	10.16	172.1	8.86	50.01	94.7	0	29.43
18	322	700	13.08	175.6	8.83	50.58	98.2	0	29.43
18	322	800	15.7	179.5	7.89	51.02	100.3	0	29.42
18	322	900	17.46	179.9	9.46	51.77	100.3	0	29.41
18	322	1000	18.14	186.7	8.58	52.96	100.3	0	29.41
18	322	1100	17.8	180	8.7	55.49	99.9	0	29.41
18	322	1200	18.84	181.3	8.58	57.39	97.8	0	29.38
18	322	1300	20.14	181.1	8.69	59.46	95.4	0	29.36

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
18	322	1400	19.88	178.3	8.81	61.49	92.2	0	29.34
18	322	1500	17.5	181.9	8.65	62.98	90.4	0	29.33
18	322	1600	14.45	176.8	9.45	61.63	93.7	0	29.33
18	322	1700	10.61	186.7	8.9	58.88	99.5	0	29.32
18	322	1800	10.87	177.2	9.18	57.88	100.4	0	29.32
18	322	1900	10.09	187.6	11.13	57.7	100.3	0	29.32
18	322	2000	7.37	206.6	9.58	55.74	100.3	0	29.32
18	322	2100	8.09	184.6	6.693	52.64	100.3	0	29.31
18	322	2200	7.89	200.2	9.05	53.08	100.3	0	29.31
18	322	2300	6.876	210.7	8.58	52.63	100.3	0	29.3
19	323	0	5.534	219.4	10.85	49.35	100.3	0	29.31
19	323	100	8.82	255.1	8.95	50	84	0	29.31
19	323	200	9.62	254.4	8.47	50.32	71.1	0	29.32
19	323	300	8.84	268.1	15.5	50.29	68.6	0	29.33
19	323	400	10.9	297.6	17.29	49.49	65.66	0	29.36
19	323	500	13.54	302.3	14.39	47.07	63.21	0	29.38
19	323	600	11.69	298.6	16.64	45.45	70.8	0	29.39
19	323	700	11.79	295.4	16.33	44.1	78.6	0	29.42
19	323	800	10.56	303.8	18.53	43.63	82	0	29.45
19	323	900	11.8	310.5	14.94	43.6	82	0	29.49
19	323	1000	13.68	299.9	15.61	43.81	80.4	0	29.52
19	323	1100	11.99	292.9	17.09	44.66	78.2	0	29.54
19	323	1200	11.72	293.4	17.41	46.33	73.9	0	29.54
19	323	1300	11.96	289.8	19.63	48.44	69.19	0	29.54
19	323	1400	11.11	299.4	17.57	48.96	66.71	0	29.52
19	323	1500	8.87	304.7	17.38	49.43	65.95	0	29.52
19	323	1600	7.81	305.8	17.37	48.51	66.87	0	29.51
19	323	1700	5.972	311.9	12.05	45.35	74.5	0	29.5
19	323	1800	7.12	304.4	13.03	43.14	80	0	29.51
19	323	1900	6.615	292.8	12.5	42.02	83.8	0	29.52
19	323	2000	5.548	268.5	9.34	39.83	91.8	0	29.52
19	323	2100	5.269	265.2	9.05	38.69	99.2	0	29.53
19	323	2200	6.299	254.2	6.659	37.5	100.3	0	29.55
19	323	2300	7.55	256.7	5.848	38.01	100.3	0	29.57
20	324	0	8.27	282.2	12.84	40.46	99.3	0	29.58
20	324	100	6.072	290.9	16.05	41.03	100	0	29.6
20	324	200	4.39	290	19.53	41	99.9	0	29.61
20	324	300	5.418	314.1	11.55	39.55	98.9	0	29.62
20	324	400	4.484	293.3	12.84	37.91	100.3	0	29.62
20	324	500	2.611	299.8	14.29	36.07	100.3	0	29.62
20	324	600	1.069	355.5	12.49	33.61	100.3	0	29.62
20	324	700	1.917	12.8	3.034	31.91	100.3	0	29.62
20	324	800	3.252	11.32	2.342	33.93	100.3	0	29.64
20	324	900	2.266	6.76	36.68	38.62	97.8	0	29.69
20	324	1000	2.981	194.9	45.82	42.45	92.7	0	29.73
20	324	1100	4.689	151.8	27.57	44.42	82.3	0	29.73
20	324	1200	4.566	105.7	19.45	45.53	70.9	0	29.72
20	324	1300	6.152	100.2	24.53	45.3	77	0	29.69
20	324	1400	6.336	83.2	15.22	47.11	71.9	0	29.68
20	324	1500	7.76	95.9	14.67	48.25	70.4	0	29.67
20	324	1600	7.5	111.1	12.16	46.66	73.4	0	29.65
20	324	1700	6.292	98.6	6.64	43.96	79.3	0	29.62
20	324	1800	6.683	95.9	7.25	40.08	88.8	0	29.6
20	324	1900	6.866	136.3	10.74	42.54	84.8	0	29.61
20	324	2000	8.41	129.2	11.19	43.13	82.1	0	29.59
20	324	2100	7.79	130.2	11.49	42.62	81.3	0	29.58
20	324	2200	6.027	127.4	12.06	42.11	82.5	0	29.56
20	324	2300	7.38	142.1	9.55	41.34	83.5	0	29.54

ASH LANDFILL  
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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
21	325	0	7.59	153.9	9.87	42.47	76.1	0	29.52
21	325	100	8.82	160.9	10.4	44.19	77.1	0	29.5
21	325	200	9.78	173.1	9.35	45.77	66.87	0	29.48
21	325	300	13.16	169.9	11.37	47.63	57.65	0	29.46
21	325	400	17.21	172.8	10.42	48.25	58	0	29.45
21	325	500	17.97	173	9.55	47.98	58.75	0	29.45
21	325	600	14.07	147.3	11.41	47.71	53.81	0	29.42
21	325	700	14.09	137.2	10.93	46.32	57.18	0	29.36
21	325	800	17.32	147.2	12.04	46.56	63.04	0	29.3
21	325	900	18.71	177	10.64	47.38	81	0.03	29.3
21	325	1000	16.46	166.3	11.34	44.62	100.3	0.64	29.31
21	325	1100	23.13	142	11.32	46.42	100.3	2.63	29.2
21	325	1200	21.58	139.6	12.71	48.37	100.3	0.89	29.12
21	325	1300	16.94	149.9	13.49	51.2	100.3	0	29.09
21	325	1400	16.65	186.1	13.33	51.36	100.3	0	29.07
21	325	1500	19.85	169.7	11.8	52.72	100.3	0.2	29.04
21	325	1600	15.78	177.8	10.02	53.82	100.3	0	29.03
21	325	1700	14.97	176.5	9.11	54.57	100.3	0	29.01
21	325	1800	14.29	185.7	9.21	55.11	100.3	0	29.01
21	325	1900	11.3	184.6	8.72	54.33	100.3	0	29.02
21	325	2000	9.24	182.7	8.38	53.49	100.3	0	29.03
21	325	2100	8.07	287.8	18.26	53.71	98.7	0	29.04
21	325	2200	9.2	288	16.49	52.63	86.5	0	29.06
21	325	2300	14.92	262.5	11.31	51.55	78.2	0	29.08
22	326	0	12.71	250.7	13.26	50.68	83.5	0	29.09
22	326	100	13.1	266.3	12.58	50.42	84.1	0	29.11
22	326	200	12.84	258.4	10.38	49.8	79.7	0	29.1
22	326	300	11.65	244.3	10.38	49.32	77.4	0	29.12
22	326	400	11.74	242.2	10.11	48.78	74	0	29.12
22	326	500	9.4	246.7	10.39	48.09	76.2	0	29.12
22	326	600	6.586	248.3	11.83	47.31	80.4	0	29.12
22	326	700	15.58	287.9	16.91	46.53	74.9	0	29.16
22	326	800	13.76	296.6	15.35	43.75	74.9	0	29.19
22	326	900	15.2	293.8	15.91	41.53	71.5	0	29.21
22	326	1000	13.82	289.7	16.99	41.2	71.7	0	29.22
22	326	1100	16.58	292	16.3	39.91	67.75	0	29.25
22	326	1200	17.37	283.9	16.32	39.71	63.64	0	29.24
22	326	1300	18.97	281.3	16.44	40.46	58.76	0	29.25
22	326	1400	19.62	283	15.89	39.48	56.45	0	29.27
22	326	1500	19.89	279.1	16.37	38.53	55.21	0	29.27
22	326	1600	18.9	279.2	16	38.51	56.33	0	29.29
22	326	1700	19.45	276.4	14.37	35.83	56.56	0	29.3
22	326	1800	16.88	279	15.18	34.52	60.34	0	29.32
22	326	1900	14.83	280.4	15.96	33.67	59.4	0	29.33
22	326	2000	11.87	279.5	15.69	32.81	63.19	0	29.32
22	326	2100	11.49	281.1	15.84	32.39	63.5	0	29.32
22	326	2200	9.41	273.6	13.68	31.56	64.67	0	29.3
22	326	2300	4.706	280.2	13.33	30.07	71.4	0	29.28
23	327	0	9.43	272.5	12.1	31.85	69.55	0	29.27
23	327	100	18.14	272.3	14.5	34.24	56.29	0	29.26
23	327	200	18.31	265.9	12.73	34.86	60.91	0	29.24
23	327	300	17.54	252.5	11.66	34.73	68.83	0	29.22
23	327	400	14.29	248.9	14.82	34.83	75.9	0	29.2
23	327	500	15.69	270	13.81	36.25	68.7	0	29.17
23	327	600	15.71	269	12.6	36.64	67.91	0	29.15
23	327	700	14.36	275.5	14.94	36.09	73.6	0	29.14
23	327	800	21.56	263.6	12.64	34.56	87.1	0	29.12
23	327	900	21.77	263.1	13.4	35.33	85.8	0	29.12

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
23	327	1000	13.93	296.5	17.27	31.45	100.3	0	29.13
23	327	1100	15.15	288.8	17.5	31.08	100.3	0	29.13
23	327	1200	18.34	308.9	15.46	32.69	95.3	0	29.13
23	327	1300	19.09	324.8	13.02	30.27	98	0	29.15
23	327	1400	18.99	322	12.83	29.13	86.1	0	29.16
23	327	1500	19.61	326.3	12.81	28.18	79.4	0	29.2
23	327	1600	20.89	318.5	13.26	27.42	57.04	0	29.23
23	327	1700	16.56	315.7	14.31	25.17	52.43	0	29.25
23	327	1800	13.56	313.1	14.75	24.16	54.62	0	29.28
23	327	1900	9.94	298.1	16.16	23.44	63.12	0	29.3
23	327	2000	10.08	296.2	16.71	23.02	78.5	0	29.31
23	327	2100	11.37	294.7	15.47	23.16	89.6	0	29.32
23	327	2200	10.15	300	16.04	23.21	88.8	0	29.33
23	327	2300	9.83	297.2	16.27	22.8	85.2	0	29.33
24	328	0	9.55	292.3	15.76	23.46	84.3	0	29.34
24	328	100	11.24	287.1	16.8	24	81.3	0	29.35
24	328	200	10.97	285.1	16.45	23.93	80.7	0	29.36
24	328	300	13.41	274.7	14.2	23.64	86.8	0	29.37
24	328	400	14.01	274.1	13.22	24.91	85.9	0	29.37
24	328	500	13.84	280.5	15.04	25.05	87.1	0	29.38
24	328	600	13.7	281.2	15.39	25.02	88.5	0	29.38
24	328	700	11.72	287.4	16.3	24.79	88.6	0	29.4
24	328	800	10.29	288.9	15.41	25.26	88.4	0	29.42
24	328	900	10.31	295.3	16.73	27.23	81.7	0	29.43
24	328	1000	10.45	295.9	17.49	29.1	77.7	0	29.44
24	328	1100	9.58	307.4	17.31	30.92	76.1	0	29.44
24	328	1200	9.42	289.7	21.79	33.03	68.37	0	29.41
24	328	1300	9.33	260.4	20.03	35.04	63.54	0	29.38
24	328	1400	9.1	212.8	19.78	36.66	60.32	0	29.35
24	328	1500	10.8	190.8	13.9	35.62	66.11	0	29.32
24	328	1600	10.96	190.2	10.31	35.65	64.72	0	29.27
24	328	1700	12.55	183.7	11.34	35.21	64.19	0	29.23
24	328	1800	10.48	167.2	11.89	34.21	64.79	0	29.19
24	328	1900	16.85	190	8.57	35.73	67.5	0	29.18
24	328	2000	15.9	188.2	8.77	36.08	69.21	0	29.17
24	328	2100	14.96	190.6	8.83	36.62	70.5	0	29.16
24	328	2200	15.56	189.9	8.57	36.73	74	0	29.14
24	328	2300	15.04	193.7	9.14	38.21	73.4	0	29.13
25	329	0	13.76	196.7	9.69	39.55	69.99	0	29.12
25	329	100	14.18	199.9	9.67	40.73	70.5	0	29.11
25	329	200	12.93	203.2	9.45	41.23	71.7	0	29.11
25	329	300	9.46	205.2	10.69	40.99	74.1	0	29.12
25	329	400	7.81	209.6	14.59	40.85	76.7	0	29.13
25	329	500	10.92	260.7	12.43	41.88	77.6	0	29.14
25	329	600	10.04	252.6	10.33	41.61	77.9	0	29.16
25	329	700	11.07	245.9	9.74	41.4	77.7	0	29.17
25	329	800	8.78	252.3	9.75	40.2	82.7	0	29.18
25	329	900	5.332	234.9	11.94	40.5	89.6	0	29.2
25	329	1000	9.86	266.3	16.11	41.99	83.9	0	29.22
25	329	1100	10.38	293.5	17.11	43.74	75.5	0	29.25
25	329	1200	11.15	288.7	16.1	44.35	66.02	0	29.25
25	329	1300	12.03	286	19.29	46.23	56.43	0	29.25
25	329	1400	14.86	269.4	14.26	46.42	47.65	0	29.23
25	329	1500	11.39	282.3	17.52	46.97	46.36	0	29.23
25	329	1600	10.55	277.9	14.36	45.14	49.99	0	29.23
25	329	1700	11.97	262.9	10.32	42.77	52.36	0	29.23
25	329	1800	7.31	268.7	11.35	39.28	58.01	0	29.24
25	329	1900	7.41	257.9	10.03	36.98	65.71	0	29.24

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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
25	329	2000	9.27	234.6	9.48	38.35	65.13	0	29.25
25	329	2100	8.74	251.2	22.68	39.16	67.7	0	29.25
25	329	2200	5.174	243.5	16.89	37.73	77.4	0	29.26
25	329	2300	9.93	278.1	15.7	39.23	59.34	0	29.27
26	330	0	8.07	261.1	9.55	36.48	57.47	0	29.27
26	330	100	10.68	270.2 <sup>(2)</sup>	12.77	36.55	56.67	0	29.28
26	330	200	10.61	269.6 <sup>(2)</sup>	11.75	35.14	63.57	0	29.3
26	330	300	10.44 <sup>(1)</sup>	269.4 <sup>(2)</sup>	12.13	35.06	67.1	0	29.32
26	330	400	10.49 <sup>(1)</sup>	285.6	16.24	35.16	71.3	0	29.34
26	330	500	10.48 <sup>(1)</sup>	291	16.95	33.93	81	0	29.37
26	330	600	10	304.8	15.04	32.61	89.5	0	29.39
26	330	700	9.61	313.7	13.43	31.75	87.2	0	29.42
26	330	800	10.09	318	13.12	31.36	84.7	0	29.45
26	330	900	9.19	310.1	14.41	31.48	81.2	0	29.48
26	330	1000	10.11	315.1	16.64	32.33	73.7	0	29.51
26	330	1100	11.08	325.1	15.7	32.35	72.4	0	29.54
26	330	1200	12.96	317.8	16.25	32.48	72.4	0	29.56
26	330	1300	12.68	324.7	19.01	31.95	74	0	29.57
26	330	1400	11.25	325.9	17.31	32.44	64.02	0	29.58
26	330	1500	9.56	326.5	16.37	32	59.26	0	29.6
26	330	1600	7.96	335.1	12.99	31.49	59.27	0	29.62
26	330	1700	6.122	0.315	9.91	27.62	68.12	0	29.63
26	330	1800	5.754	26.82	2.668	24.32	80.2	0	29.62
26	330	1900	5.705	41.14	4.138	22.54	91	0	29.64
26	330	2000	5.865	56.51	1.645	20.46	98.4	0	29.65
26	330	2100	5.995	50.62	3.523	20.84	94.7	0	29.65
26	330	2200	4.891	55.93	0.823	19.56	98.1	0	29.67
26	330	2300	5.092	73.5	10.06	18.16	100.2	0	29.68
27	331	0	6.432	88.2	2.742	18.31	100.2	0	29.68
27	331	100	5.523	99.8	7.3	19.53	100.2	0	29.68
27	331	200	4.93	113.4	10.41	20.14	100.2	0	29.7
27	331	300	6.177	111	7.6	20.07	100.2	0	29.71
27	331	400	4.998	142.2	10.63	20.38	97.5	0	29.71
27	331	500	6.552	116.9	11.84	20.57	88	0	29.7
27	331	600	7.89	106.7	9.49	20.27	89	0	29.69
27	331	700	6.192	118.3	14.41	19.76	90.9	0	29.68
27	331	800	5.842	158	11.08	19.28 <sup>(4)</sup>	84.9	0	29.68
27	331	900	7.15	151.8	12.31	24.35 <sup>(4)</sup>	67.68	0	29.72
27	331	1000	9.68	138.3	14.52	26.85	62.35	0	29.72
27	331	1100	10.66	118.7	13.19	30.11	59.58	0	29.71
27	331	1200	11.66	117.3	13.31	33.4	55.09	0	29.68
27	331	1300	11.56	136.6	13.92	34.02	51.88	0	29.64
27	331	1400	13.96	127.5	13.47	34.03	53.76	0	29.6
27	331	1500	13.23	133.5 <sup>(2)</sup>	11.84	33.22	54.73	0	29.57
27	331	1600	14.17	132.6 <sup>(2)</sup>	11.97	32.77	54.33	0	29.55
27	331	1700	16.82	132.8 <sup>(2)</sup>	11.9	32.58	55.28	0	29.52
27	331	1800	15.07	132.7 <sup>(2)</sup>	12.16	32.47	62.16	0	29.47
27	331	1900	12.85	150.3	13.24	31.29	87.4	0.02	29.43
27	331	2000	15.31	147.6	12.35	30.06	100.1	0.04	29.39
27	331	2100	13.68	138.3	11.86	29.53	100.3	0.11	29.34
27	331	2200	15.02	144.3	12.64	31.17	100.3	0.01	29.27
27	331	2300	17.87	149.5	11.9	34.6	100.2	0.02	29.21
28	332	0	17.25	155.6	13.32	36.66	100.1	0	29.14
28	332	100	14.16	159	12.99	37.83	100.3	0.06	29.09
28	332	200	14.47	165.1	12.74	40.07	100.3	0	29.05
28	332	300	15.02	160.1	12.43	41.73	100.3	0	29.02
28	332	400	11.2	162.1	12.96	42.45	100.3	0.01	28.98
28	332	500	8.41	164.1	17.75	42.64	100.3	0.02	28.92

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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
28	332	600	9.38	165.6	31.29	45.05	100.3	0	28.88
28	332	700	11.03	189	12.99	44.98	100.4	0	28.87
28	332	800	14.65	183.2	9.46	45.49	100.4	0	28.83
28	332	900	14.54	170.7	10.1	46.85	100.4	0	28.8
28	332	1000	15.71	177.7	10.1	50.14	100.3	0	28.77
28	332	1100	18.12	185.3	8.66	51.89	100.3	0	28.74
28	332	1200	19.16	190.5	9.57	54.17	100.3	0	28.72
28	332	1300	16.83	244	13.58	53.14	100.3	0.03	28.75
28	332	1400	14.35	224.4	11.59	50.81	95.6	0	28.75
28	332	1500	9.84	231.1	12.88	54.29	82.9	0	28.78
28	332	1600	8.31	302.5	19.07	53.28 <sup>(4)</sup>	82.4	0	28.81
28	332	1700	10.18	313.5	12.99	46.3 <sup>(4)</sup>	93.2	0	28.82
28	332	1800	5.052	293	13.29	43.23	96	0	28.85
28	332	1900	5.394	228.7	21.46	41.84	95	0	28.88
28	332	2000	6.299	275.7	16.79	43.55	85.4	0	28.91
28	332	2100	14.71	250.3	11.09	45.14	72.9	0.04	28.93
28	332	2200	19.39	245.7	10.79	45.15	66.15	0.12	28.96
28	332	2300	22.74	248.5	10.92	44.7	64.58	0	28.98
29	333	0	21.76	245.6	10.73	44.08	62.84	0	29
29	333	100	19.1	240.7	10.3	43.62	60.81	0	29.03
29	333	200	19.72	239	10.75	43.29	58.69	0	29.05
29	333	300	19.08	235.3	10.53	42.54	58.33	0	29.06
29	333	400	19.47	233.5	10.79	42.24	56.35	0	29.06
29	333	500	12.93	221.9	11.98	41.05	59.24	0	29.07
29	333	600	14.94	226.6	10.86	41.07	57.89	0	29.07
29	333	700	18.25	228.8	10.68	41.37	56.76	0	29.08
29	333	800	18.41	233	9.37	41.74	57.24	0	29.1
29	333	900	18.1	241.4	11.65	43.16	57.86	0	29.15
29	333	1000	17.99	256.3	12.23	43.88	60.65	0	29.18
29	333	1100	19.59	261.9	11.03	44.63	61.07	0	29.21
29	333	1200	21.79	258.9	12.49	44.99	61.02	0	29.22
29	333	1300	21.42	255.1	11.85	45.45	59.98	0	29.24
29	333	1400	20.32	263.3	11.8	45.09	61.99	0	29.25
29	333	1500	11.43	281.2	15.26	44.8	64.29	0	29.27
29	333	1600	7.34	283.1	23.4	43.26	70.6	0	29.28
29	333	1700	6.285	305.8	20.73	40.89 <sup>(4)</sup>	77.2	0	29.29
29	333	1800	6.32	27.47	7.53	35.15 <sup>(4)</sup>	97.1	0	29.3
29	333	1900	5.877	355.4	11.38	33.73	100.3	0	29.31
29	333	2000	4.255	314.2	24.21	35.52	95.3	0	29.32
29	333	2100	2.975	318.1	25.19	33.08	99.5	0	29.32
29	333	2200	4.642	90.6	30.92	30.07	100.3	0	29.32
29	333	2300	5.619	111.4	8.05	30.49	100.3	0	29.32
30	334	0	6.186	148.8	7.49	31.83	100.3	0	29.32
30	334	100	6.826	174.8	8.44	32.75	100.3	0	29.32
30	334	200	6.982	194.7	9.88	33.65	100.3	0	29.33
30	334	300	5.578	210.7	9.22	33.27	100.3	0	29.32
30	334	400	4.669	189.4	10.58	34.17	100.3	0	29.32
30	334	500	3.995	180	8.44	34.14	100.3	0	29.32
30	334	600	5.204	194.1	9.98	34.71	100.3	0	29.32
30	334	700	3.987	200.5	16.89	34.83	100.3	0	29.33
30	334	800	4.203	184.6	19.7	34.93	100.3	0	29.33
30	334	900	8.02	197.4	12.28	35.37	99.7	0	29.33
30	334	1000	8.16	231.4	19.49	36.05	96.3	0	29.35
30	334	1100	9.72	300.4	14.47	34.4	100.3	0	29.36
30	334	1200	10.25	285.5	15.51	33.41	100.3	0	29.36
30	334	1300	12.89	273.8	14.85	33.78	97.6	0	29.37
30	334	1400	14.56	273.2	15.05	37.06	80	0	29.38
30	334	1500	13.76	273.5	14.89	38.35	69.29	0	29.4

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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
30	334	1600	9.82	283.4	16.97	36	73.1	0	29.4
30	334	1700	10.75	276.2	13.48	34.4	85.3	0	29.4
30	334	1800	9.99	265	9.59	33.24	97.4	0	29.41
30	334	1900	7.3	274.7	13.28	33.93	92.4	0	29.43
30	334	2000	6.472	281	14.52	34.32	89.5	0	29.46
30	334	2100	7.55	283.7	14.88	34.54	90.4	0	29.48
30	334	2200	7.41	277.4	14.34	34.56	92.2	0	29.5
30	334	2300	8.4	270.9	11.83	34.4	93.3	0	29.51
1-Dec	335	0	7.92	265.1	11.21	34.23	89.9	0	29.51
1	335	100	6.43	268.5	14.88	32.86	85.7	0	29.52
1	335	200	6.248	290.9	14.7	32.08	84.1	0	29.52
1	335	300	8.57	272.2	12.94	33.01	81.1	0	29.53
1	335	400	7.28	270.6	11.47	32.78	79.6	0	29.54
1	335	500	5.385	272.9	12.19	32.03	80.5	0	29.54
1	335	600	5.702	264.6	12.13	31.27	82.3	0	29.56
1	335	700	5.52	241.6	10.37	31.96	83.2	0	29.59
1	335	800	6.184	237.7	8.89	31.97	83.9	0	29.6
1	335	900	6.627	233	10.37	33.53	79.9	0	29.63
1	335	1000	7.11	230.5	11.72	34.94	77.1	0	29.64
1	335	1100	6.044	221.1	18.03	35.96	74.2	0	29.64
1	335	1200	6.392	233.2	22.11	36.8	74.6	0	29.64
1	335	1300	5.371	231.4	17.99	37.79	74.3	0	29.63
1	335	1400	6.237	189.9	12.39	38.13	76.2	0	29.61
1	335	1500	6.302	209.8	16.17	39.2	74	0	29.61
1	335	1600	5.979	191.4	9.3	39.63	73.7	0	29.6
1	335	1700	6.089	195.1	12.03	37.48	76.8	0	29.57
1	335	1800	6.864	161.8	10.01	35.02	83	0	29.55
1	335	1900	7.63	157.9	10.95	34.71	83.8	0	29.53
1	335	2000	12.15	174.9	8.69	35.94	85.7	0	29.51
1	335	2100	12.64	174.4	8.75	36.66	83.5	0	29.49
1	335	2200	16.7	187.1	8.19	37.97	77.2	0	29.46
1	335	2300	18.64	191.7	8.92	38.2	75.6	0	29.45
2	336	0	20.63	190.5	8.12	38.38	73.5	0	29.43
2	336	100	17.98	186.5	7.93	38.49	72.8	0	29.43
2	336	200	17.11	191.7	8.86	39.38	69.95	0	29.43
2	336	300	16.59	190.8	8.53	40.03	66.27	0	29.43
2	336	400	15.74	181.4	7.34	39.9	65.25	0	29.42
2	336	500	14.37	181.8	7.29	39.47	66.09	0	29.41
2	336	600	14.15	182.8	7.47	38.92	73.2	0	29.4
2	336	700	14.5	183.1	7.17	38.55	73.2	0	29.38
2	336	800	15.46	185.1	7.28	39.75	65.93	0	29.37
2	336	900	14.04	183	7.25	42.42	57.09	0	29.39
2	336	1000	14.46	186.1	8.26	45.58	51.24	0	29.4
2	336	1100	13.32	177.7	8.94	48.97	46.69	0	29.4
2	336	1200	11.36	213.3	15.52	53.68	40.14	0	29.39
2	336	1300	12.05	220	11.33	56.12	35.02	0	29.36
2	336	1400	10.65	224.9	12.36	57.63	34.32	0	29.36
2	336	1500	10.22	246.2	11.8	58.1	36.45	0	29.36
2	336	1600	8.7	234.9	7.8	57.15	38.46	0	29.36
2	336	1700	6.849	217.6	8.63	52.92	41.87	0	29.35
2	336	1800	6.589	196.5	7.71	49.32	46.11	0	29.34
2	336	1900	5.575	203.7	13.16	48.19	45.85	0	29.35
2	336	2000	6.444	184.3	4.956	47.2	52.18	0	29.37
2	336	2100	7.4	189.5	5.195	44.63	58.58	0	29.38
2	336	2200	8.46	183.1	4.852	42.92	73.4	0	29.39
2	336	2300	8.17	179.7	7.31	43.55	68.23	0	29.41
3	337	0	7.98	183	7.03	41.63	80.3	0	29.42
3	337	100	7.68	181.4	6.099	40.5	80.6	0	29.42

ASH LANDFILL  
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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
3	337	200	7.42	180.5	6.268	39.06	77.1	0	29.42
3	337	300	7.3	181.8	6.475	39.24	80.4	0	29.43
3	337	400	6.905	180.9	7.18	39.06	71.7	0	29.44
3	337	500	6.346	164.8	8.41	39.85	70.6	0	29.44
3	337	600	5.881	166.6	8.99	39.1	80.2	0	29.44
3	337	700	6.889	165.8	10.19	40.21	78.2	0	29.45
3	337	800	7.66	181.6	13.4	40.39	81.6	0	29.46
3	337	900	11.08	175.5	10.39	41.38	79.7	0	29.48
3	337	1000	11.76	171.5	9.52	43.38	74.6	0	29.49
3	337	1100	11.76	178.5	9.09	46.01	67.29	0	29.5
3	337	1200	10.95	174.4	9.63	48.56	60.14	0	29.48
3	337	1300	11.3	185.1	8.53	53.13	53.89	0	29.47
3	337	1400	8.89	183.6	7.6	53.35	55.44	0	29.46
3	337	1500	7.13	170.5	9.96	54.09	52.54	0	29.45
3	337	1600	4.651	146.4	10.65	55.11	50.58	0	29.44
3	337	1700	6.557	168.2	15.77	52.88	54.15	0	29.44
3	337	1800	10.24	174.8	8.4	51.74	54.84	0	29.43
3	337	1900	9.52	175.8	8.48	49.54	61.23	0	29.42
3	337	2000	7.79	175.6	8.38	47.9	65.01	0	29.43
3	337	2100	10.4	178.5	7.02	48.03	65.1	0	29.44
3	337	2200	11.78	180.3	10	49.04	61.36	0	29.43
3	337	2300	12.58	187.6	7.98	49.22	62.46	0	29.43
4	338	0	11.52	183.5	7.68	49.22	61.61	0	29.44
4	338	100	11.67	181.5	7.79	49.31	60.8	0	29.44
4	338	200	10.17	179.4	7.87	49.09	62.33	0	29.45
4	338	300	9.26	179.4	7.64	49.29	59.94	0	29.47
4	338	400	9.29	176.9	9.65	49.18	59.86	0	29.47
4	338	500	8.03	169.2	9.65	48.5	61.5	0	29.48
4	338	600	6.872	177.8	9.27	46.97	64.88	0	29.49
4	338	700	8.49	179.2	7.82	48.17	67.19	0	29.52
4	338	800	7.02	181.8	9.25	47.58	72.8	0	29.55
4	338	900	6.446	179.9	13.69	48.79	71.6	0	29.56
4	338	1000	9.24	176.8	9.33	49.74	70.1	0	29.58
4	338	1100	8.49	178.9	9.51	51.93	68.78	0	29.59
4	338	1200	7.14	181.5	8.58	53.04	71.2	0	29.58
4	338	1300	5.798	186.8	10.06	53.51	71.5	0	29.58
4	338	1400	3.715	164.4	13.05	52.71	72.4	0	29.57
4	338	1500	2.779	107.5	9.1	52.51	76	0	29.56
4	338	1600	3.105	88.5	11.17	52.81	77.8	0	29.56
4	338	1700	5.061	49.86	8.17	51.75	86.2	0	29.56
4	338	1800	5.045	13.34	9.15	49.72	96.1	0	29.55
4	338	1900	4.699	68.7	23.24	49.29	99.5	0	29.54
4	338	2000	1.566	317.3	8.16	47.86	100.3	0	29.54
4	338	2100	4.289	175.2	29.7	48	100.3	0	29.52
4	338	2200	4.499	154.4	9.16	48.35	100.3	0	29.5
4	338	2300	4.524	149.8	11.22	49.46	95.9	0	29.48
5	339	0	6.104	139.7	11.45	51.99	87.9	0	29.46
5	339	100	6.206	149.4	11.06	52.53	89.4	0	29.44
5	339	200	10.87	178.7	8	51.23	97.4	0.03	29.42
5	339	300	8.97	170.7	9.4	49.44	100.3	0.08	29.39
5	339	400	4.17	153.5	9.87	49.01	100.3	0.04	29.35
5	339	500	5.151	156.9	12.04	49.28	100.3	0.17	29.32
5	339	600	8.42	121	10.41	50.07	100.3	0.25	29.29
5	339	700	9.28	116.2	9.94	49.94	100.3	0.12	29.25
5	339	800	7.78	121.7	8.4	50.26	100.3	0.11	29.21
5	339	900	6.133	156.2	11.25	50.2	100.3	0.17	29.19
5	339	1000	7.79	173.2	8.75	50.43	100.3	0.16	29.16
5	339	1100	9.65	172.7	8.4	50.97	100.3	0.28	29.14



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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
5	339	1200	11.38	174.8	8.7	52.04	100.3	0.03	29.1
5	339	1300	10.83	178.2	7.3	52.03	100.3	0	29.08
5	339	1400	8.07	183.6	8.27	53.21	100.3	0	29.07
5	339	1500	5.861	220.5	14.77	53.26	100.3	0	29.08
5	339	1600	7.25	283.9	14.35	55.37	100.3	0	29.1
5	339	1700	7.66	282.1	13.12	54.76	100.3	0	29.13
5	339	1800	6.506	296.8	15.36	53.71	100.3	0	29.15
5	339	1900	8.57	289.3	14.63	53.47	100.3	0	29.18
5	339	2000	11.58	286.5	14.01	52.17	100.3	0	29.21
5	339	2100	11.05	282.7	15.03	51.46	100.3	0	29.24
5	339	2200	12.17	292.2	13.19	50.46	100.3	0	29.27
5	339	2300	8.29	300.3	12.74	48.7	100.3	0	29.26
6	340	0	6.402	286.1	15.43	48.25	100.3	0	29.28
6	340	100	8.1	284.7	14.48	49.48	100.3	0	29.3
6	340	200	8.43	291.5	14	49.41	100.3	0	29.31
6	340	300	3.811	306.4	13.81	48.99	100.3	0	29.33
6	340	400	2.631	337.7	9.63	48.45	100.3	0	29.32
6	340	500	2.729	276.7	12.21	47.88	100.3	0	29.33
6	340	600	3.999	160.4	9.26	48.04	100.3	0	29.34
6	340	700	5.872	181.9	5.825	47.78	100.3	0	29.33
6	340	800	6.633	183.9	6.334	48.03	100.3	0	29.34
6	340	900	7.27	182.4	8.5	48.65	100.3	0	29.33
6	340	1000	9.55	187.8	7.47	49.72	100.3	0	29.33
6	340	1100	6.443	201	9.4	50.4	100.3	0	29.33
6	340	1200	6.392	225.8	10.37	51.85	100.3	0	29.33
6	340	1300	5.393	263.7	17.37	50.97	100.3	0	29.32
6	340	1400	4.547	317.8	13.58	49.91	100.3	0	29.32
6	340	1500	10.49	334.5	10.27	46.19	100.3	0	29.32
6	340	1600	7.58	350.8	10.48	44.05	100.3	0.02	29.32
6	340	1700	6.67	349	11.58	42.55	100.4	0.03	29.32
6	340	1800	7.87	338	11.86	41.41	100.4	0.1	29.34
6	340	1900	8.37	328.4	10.36	40.61	100.3	0	29.35
6	340	2000	8.6	325.2	10.92	39.82	100.3	0	29.36
6	340	2100	8.02	322.2	11.65	38.73	100.3	0	29.36
6	340	2200	7.03	313.5	16.53	38.36	100.3	0	29.36
6	340	2300	7.29	301.7	14.72	37.91	100.3	0	29.35
7	341	0	6.432	313.5	14.33	37.35	100.3	0	29.34
7	341	100	5.828	316.3	15	36.99	100.3	0	29.33
7	341	200	6.681	309.1	13.74	36.08	100.3	0.06	29.32
7	341	300	5.13	352.7	11.76	34.08	100.3	0.04	29.31
7	341	400	3.572	351.9	10.44	32.47	100.3	0.06	29.29
7	341	500	4.361	351	10.34	32.23	100.3	0.11	29.28
7	341	600	4.544	347.6	11.64	32.17	100.3	0.14	29.26
7	341	700	3.865	1.813	7.6	32.06	100.3	0.07	29.24
7	341	800	2.88	25.55	7.15	31.93	100.3	0.09	29.22
7	341	900	3.989	14.95	10.23	32	100.3	0.07	29.2
7	341	1000	4.479	19.75	8.56	32.48	100.3	0.03	29.19
7	341	1100	6.879	18.26	10.13	32.39	100.3	0.04	29.18
7	341	1200	9.67	13.42	9.45	31.67	100.3	0.03	29.16
7	341	1300	10.28	9.4	8.87	30.09	100.3	0.07	29.15
7	341	1400	9.11	10.15	9.47	29.11	100.3	0.01	29.14
7	341	1500	8.27	0.566	10.27	28.41	100.3	0.02	29.15
7	341	1600	9.24	1.703	9.09	27.3	100.3	0	29.18
7	341	1700	7.12	358.4	8.99	27.03	100.2	0.01	29.22
7	341	1800	7.47	358.7	10.05	27.13	100.2	0.02	29.25
7	341	1900	9.37	348.1	10.76	27.23	100.2	0	29.3
7	341	2000	9.58	337.1	10.71	26.6	100.2	0	29.35
7	341	2100	7.13	344.8	10.6	26.07	100.2	0	29.37

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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
7	341	2200	5.849	335.9	11.59	26.31	100.2	0	29.4
7	341	2300	7.16	339.1	11.02	26.14	100.2	0	29.42
8	342	0	7.27	351.9	10.22	24.8	100.2	0	29.45
8	342	100	7.54	350.7	10.4	23.73	100.3	0	29.49
8	342	200	7.66	331.5	12.31	23.91	100.3	0	29.53
8	342	300	8.08	337.3	12.29	23.8	100.3	0	29.56
8	342	400	9.65	332	10.83	23.14	100.3	0	29.57
8	342	500	7.66	322	12.94	22.19	100.2	0	29.58
8	342	600	6.564	290.6	15.68	21.3	100.2	0	29.61
8	342	700	6.288	291.4	17.02	20.57	100.2	0	29.63
8	342	800	6.781	300	15.01	20.21	100.2	0	29.65
8	342	900	6.505	296	16.91	22.04	100.2	0	29.68
8	342	1000	7.83	298.3	16.05	23.42	99.3	0	29.71
8	342	1100	8.52	303.1	16.03	25.01	94.8	0	29.72
8	342	1200	9.42	300.2	15.53	25.7	91.9	0	29.71
8	342	1300	9.03	302.5	17.83	27.21	87.9	0	29.71
8	342	1400	8.25	301.2	17.37	26.82	89.1	0	29.71
8	342	1500	7.07	300.2	18.65	27.51	86.8	0	29.71
8	342	1600	6.94	309.9	15.14	27.09	86.8	0	29.71
8	342	1700	5.004	305.7	14.68	24.07	96.3	0	29.7
8	342	1800	4.684	303.9	13.19	22.23	100.2	0	29.69
8	342	1900	3.435	304.5	15.65	20.9	100.2	0	29.68
8	342	2000	1.285	0.784	8	18.87	100.2	0	29.68
8	342	2100	2.404	12.45	10.02	21.65	100.2	0	29.68
8	342	2200	2.205	165.8	23.75	22.64	100.2	0	29.67
8	342	2300	4.425	167.2	13.14	23.3	100.2	0	29.67
9	343	0	4.627	167.7	21.25	23.97	100.2	0	29.66
9	343	100	4.006	167.8	17.34	23.82	100.3	0	29.64
9	343	200	6.34	172.2	8.92	23.18	100.3	0	29.63
9	343	300	6.275	162.5	10.58	21.88	100.2	0	29.62
9	343	400	6.56	156.3	10.41	20.26	100.2	0	29.58
9	343	500	7.11	143.5	9.19	20	100.2	0	29.55
9	343	600	5.278	149.9	9.56	18.67	100.2	0	29.52
9	343	700	8.56	138.6	11.02	19.72	100.2	0	29.5
9	343	800	8.92	148.1	13.32	20.51	100.2	0	29.47
9	343	900	12.55	167	11.13	23.2	100.2	0	29.47
9	343	1000	12.47	165	12.13	26.6	98.2	0	29.46
9	343	1100	15.68	172.8	9.26	29.75	92	0	29.44
9	343	1200	14.77	171	10.35	31.08	89.1	0	29.39
9	343	1300	13	164.2	12.12	32.07	85.8	0	29.34
9	343	1400	17.39	171	10.12	33.03	83.4	0	29.29
9	343	1500	17.79	175.5	9.73	33.23	97.5	0.17	29.26
9	343	1600	15.36	179.3	9.24	32.58	100.3	0.7	29.24
9	343	1700	12.32	171.7	10.39	32.55	100.3	0.1	29.22
9	343	1800	12.36	180.2	9.19	33.11	100.3	0	29.23
9	343	1900	9.63	179.5	8.06	33.41	100.3	0	29.26
9	343	2000	9.88	188.6	7.94	34.25	100.3	0	29.28
9	343	2100	8.74	212.6	13.26	34.32	100.3	0	29.31
9	343	2200	6.413	259.4	19.89	34.34	100.3	0	29.36
9	343	2300	11.21	297.8	16.09	35.24	100.3	0	29.4
10	344	0	9.37	290.9	15.17	34.84	100.3	0	29.43
10	344	100	7.31	286.3	19.1	34.61	100.3	0	29.45
10	344	200	5.992	289.7	15.34	34.54	100.3	0	29.47
10	344	300	5.523	297.2	16.3	34.48	100.3	0	29.5
10	344	400	5.473	312.1	12.91	33.93	100.3	0	29.51
10	344	500	4.83	313.5	14.84	33.43	100.3	0	29.52
10	344	600	3.374	354.1	14.07	32.92	100.3	0	29.53
10	344	700	3.934	8.21	6.603	31.36	100.3	0	29.53

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Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
10	344	800	3.019	14.37	4.02	30.11	100.3	0	29.51
10	344	900	4.186	31.17	5.223	31.57	100.3	0	29.52
10	344	1000	4.12	53.89	4.765	33.7	100.3	0	29.52
10	344	1100	4.438	83.5	6.539	35.74	100.3	0	29.51
10	344	1200	6.017	124.1	14.37	35.18	100.3	0	29.48
10	344	1300	5.989	101.2	13.02	35.17	100.3	0	29.43
10	344	1400	6.798	89.3	9.61	34.79	100.3	0	29.38
10	344	1500	6.203	86.4	10.14	34.5	100.3	0	29.34
10	344	1600	5.356	87.4	7.93	33.96	100.3	0	29.29
10	344	1700	5.644	110.1	9.2	33.31	100.3	0	29.25
10	344	1800	6.228	117.8	10.62	32.39	100.3	0.03	29.2
10	344	1900	8.53	107.2	10.85	32.45	100.3	0.06	29.14
10	344	2000	9.61	126.9	11.21	33.29	100.3	0.08	29.08
10	344	2100	9.96	133	10.52	34.1	100.3	0	29.01
10	344	2200	11.23	147.2	10.76	35.24	100.3	0	28.94
10	344	2300	8.16	153.7	11.42	35.93	100.3	0	28.89
11	345	0	5.571	174.2	11.67	35.5	100.3	0.05	28.83
11	345	100	6.213	269.3	16.81	35.31	100.3	0.05	28.85
11	345	200	2.713	219.7	17.58	34.8	100.3	0	28.85
11	345	300	6.351	200.7	8.71	35.76	100.3	0	28.86
11	345	400	12.21	239.9	14.09	36.88	100.3	0.01	28.89
11	345	500	15.81	276.5	14.16	35.73	100.3	0	28.95
11	345	600	17.82	285.8	15.08	34.1	100.3	0	29
11	345	700	14.76	292.5	15.75	33.13	100.3	0	29.06
11	345	800	13.83	278.3	14.96	32.84	100.3	0	29.09
11	345	900	13.42	282.7	17.05	33.56	99.5	0	29.13
11	345	1000	13.2	285.1	16.73	35.12	93.7	0	29.17
11	345	1100	15.57	281.5	15.78	36.76	85.2	0	29.19
11	345	1200	18.66	277.5	14.91	36.86	82.3	0	29.2
11	345	1300	17.15	282.1	16.47	35.89	86.1	0	29.21
11	345	1400	17.54	294.4	16.81	32.81	92	0	29.24
11	345	1500	18.97	295.7	17.1	29.95	85.8	0	29.28
11	345	1600	19.52	295.7	16.53	28.61	74.1	0	29.33
11	345	1700	20.45	311.8	13.99	25.67	76	0	29.36
11	345	1800	17.78	309.8	15.56	23.75	73.1	0	29.39
11	345	1900	15.05	303.3	16.55	23.32	83.3	0	29.44
11	345	2000	15.23	311.3	15.11	22.41	92.3	0	29.47
11	345	2100	16.25	314.7	13.71	21.46	81.5	0	29.51
11	345	2200	12.18	312	15.58	20.3	85.3	0	29.54
11	345	2300	12.66	312.8	15.06	19.37	75.6	0	29.56
12	346	0	10.25	316.2	13.03	18.35	82.3	0	29.59
12	346	100	9.05	308.6	15.38	17.53	88.5	0	29.6
12	346	200	9.43	311.1	13.07	16.67	94.1	0	29.62
12	346	300	7.53	318.8	15.41	16.57	99.6	0	29.64
12	346	400	7.51	357.4	12.14	16.2	98.3	0	29.65
12	346	500	6.616	1.774	11.15	15.54	99.9	0	29.66
12	346	600	8.16	15.27	9.39	14.82	100.2	0	29.68
12	346	700	6.055	5.273	6.795	12.86	100.2	0	29.69
12	346	800	6.629	353.7	7.71	12.19	100.1	0	29.69
12	346	900	6.805	15.19	14.28	15.09	97.3	0	29.72
12	346	1000	5.775	49.51	14.02	17.79	88.4	0	29.76
12	346	1100	4.636	26.11	20.38	18.02	87.5	0	29.77
12	346	1200	2.892	54.17	10.98	18.69	85.9	0	29.76
12	346	1300	2.455	61.09	18.59	20.65	78.5	0	29.75
12	346	1400	3.335	182	42.81	22.44	73.2	0	29.74
12	346	1500	4.473	184.9	29.08	22.01	72.3	0	29.73
12	346	1600	2.171	154.4	24.17	20.36	73.7	0	29.72
12	346	1700	3.249	37.56	3.135	16.55	88.6	0	29.7

ASH LANDFILL  
MID-PROJECT REPORT

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
12	346	1800	5.288	45.97	3.097	15.82	93.6	0	29.68
12	346	1900	5.015	35.33	5.708	15.92	90.7	0	29.66
12	346	2000	5.02	50.85	6.255	15.87	90.6	0	29.66
12	346	2100	5.173	61.28	4.133	14.44	96.4	0	29.65
12	346	2200	5.555	74.7	4.395	13.95	100.2	0	29.64
12	346	2300	2.112	87.5	1.353	13.12	100.2	0	29.63
13	347	0	4.069	118.2	11.47	14.29	98.5	0	29.62
13	347	100	5.881	123.1	10.03	15.83	87.9	0	29.61
13	347	200	7.1	106.3	5.377	14.94	92	0	29.61
13	347	300	7.14	120	6.895	14.59	90.3	0	29.6
13	347	400	6.753	109.2	8.28	13.88	93.3	0	29.59
13	347	500	6.146	116.5	6.794	13.57	95.4	0	29.59
13	347	600	7.06	122.6	6.662	14.21	96.3	0	29.59
13	347	700	7.07	127.6	7.24	15.98	90.2	0	29.6
13	347	800	5.519	124.4	6.91	14.39	95.7	0	29.61
13	347	900	5.702	132.8	8.81	18.86	88.7	0	29.63
13	347	1000	6.258	152.2	13.08	23.73	84.6	0	29.67
13	347	1100	8.43	161.7	13.96	26.47	77	0	29.69
13	347	1200	10.18	179.3	10.84	28.16	78.4	0	29.67
13	347	1300	9.22	180.9	10.75	30.39	73.9	0	29.65
13	347	1400	8.19	177.8	17.66	32.24	72.3	0	29.64
13	347	1500	4.884	167.5	22.39	34.34	67.9	0	29.64
13	347	1600	3.229	133.7	14.47	35.46	67.93	0	29.65
13	347	1700	4.957	58.06	5.594	30.56	77.5	0	29.63
13	347	1800	5.816	40.6	10.38	26.27	89.8	0	29.62
13	347	1900	5.585	22.8	7.31	23.01	98.1	0	29.62
13	347	2000	6.524	21.47	7.73	21.45	99.3	0	29.63
13	347	2100	3.84	1.55	10.39	19.51	100.2	0	29.63
13	347	2200	1.805	77.2	16.16	18.08	100.2	0	29.62
13	347	2300	4.049	108.3	13.06	17.48	100.2	0	29.63
14	348	0	1.651	197	12.56	17.73	100.2	0	29.63
14	348	100	1.915	107.8	18.47	20.12	100.2	0	29.63
14	348	200	2.151	112.6	6.104	23.52	100.2	0	29.65
14	348	300	3.378	115.1	18.58	24.91	100.2	0	29.66
14	348	400	2.813	126.6	12.55	25.88	100.3	0	29.65
14	348	500	3.936	119.8	16.28	26.73	100.3	0	29.66
14	348	600	4.041	131.1	13.38	27.71	100.3	0	29.67
14	348	700	3.5	132.4	13.29	28.07	100.2	0	29.67
14	348	800	3.347	138.7	14.76	28.68	100.2	0	29.67
14	348	900	2.223	106.6	7.61	29.57	100.2	0	29.68
14	348	1000	1.943	98.9	10.52	30.8	100.3	0	29.7
14	348	1100	2.881	148.8	18.39	32.45	100.3	0	29.71
14	348	1200	0.904	34.54	7.54	33.84	99.9	0	29.71
14	348	1300	1.735	24.46	9.37	34.25	100	0	29.7
14	348	1400	4.701	3.158	11.06	33.12	100.3	0	29.69
14	348	1500	5.915	11.67	10.34	32.18	100.3	0	29.68
14	348	1600	5.427	17.53	10.98	31.03	100.3	0	29.69
14	348	1700	4.426	23.49	8.13	30.58	100.3	0	29.69
14	348	1800	4.206	23.34	8.65	30.48	100.3	0	29.69
14	348	1900	4.773	6.635	10.33	30.17	100.3	0	29.7
14	348	2000	4.692	5.259	8.64	30.03	100.3	0	29.71
14	348	2100	4.079	13.64	8.47	29.85	100.3	0	29.71
14	348	2200	2.046	0.243	9.17	29.84	100.3	0	29.7
14	348	2300	1.858	345.6	9.45	29.83	100.3	0	29.7
15	349	0	3.233	4.047	9.42	29.74	100.3	0	29.71
15	349	100	3.944	8.06	7.6	29.49	100.3	0	29.7
15	349	200	3.413	12.19	6.827	29.47	100.3	0	29.7
15	349	300	2.238	8.14	9.51	29.47	100.3	0	29.7

ASH LANDFILL  
MID-PROJECT REPORT

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
15	349	400	2.756	24.42	5.274	29.47	100.3	0	29.69
15	349	500	2.826	29.27	3.807	29.65	100.3	0	29.7
15	349	600	1.902	33.14	0.217	29.9	100.3	0	29.7
15	349	700	3.706	50.05	16.3	30.44	100.3	0	29.71
15	349	800	5.096	125.1	8.69	31.94	100.3	0	29.73
15	349	900	4.201	140.9	9.22	32.67	100.3	0	29.74
15	349	1000	4.651	175.4	12.59	34.22	97.6	0	29.75
15	349	1100	5.685	160.4	14.19	35.62	89.7	0	29.75
15	349	1200	5.285	172.8	15.97	36.65	88	0	29.75
15	349	1300	6.895	172.1	18.6	37.18	85.5	0	29.73
15	349	1400	5.284	121.1	23.61	41.32	76.1	0	29.73
15	349	1500	8.46	129.2	14.4	40.43	72.5	0	29.72
15	349	1600	7.44	125.3	11.55	38.99	75.5	0	29.7
15	349	1700	4.602	127.4	8.8	35.93 <sup>(4)</sup>	85.4	0	29.69
15	349	1800	5.316	108.3	4.93	30.91 <sup>(4)</sup>	100.3	0	29.68
15	349	1900	4.976 <sup>(1)</sup>	122.1	4.542	29.66	100.3	0	29.68
15	349	2000	4.943 <sup>(1)</sup>	143.1	7.92	29.97	99.2	0	29.68
15	349	2100	4.898 <sup>(1)</sup>	154.4	8.3	30.24	99.6	0	29.68
15	349	2200	5.945	152.3	7.37	30.63	100.2	0	29.67
15	349	2300	6.456	159.6	8.83	30.11	100.2	0	29.68
16	350	0	7.51	150.2	8.07	30.19	100.2	0	29.68
16	350	100	7.14	153.3	10.83	30.66	98.9	0	29.68
16	350	200	6.795	132.8	11.33	29.08	99.7	0	29.67
16	350	300	7.64	120.6	7.45	28.55	100.2	0	29.67
16	350	400	8	112.8	4.366	26.87	100.2	0	29.67
16	350	500	7.37	131.4	8.38	28.05	100.3	0	29.66
16	350	600	7.6	131.2	9.17	27.79	100.3	0	29.66
16	350	700	7.11	132.4	7.17	27.37	100.3	0	29.67
16	350	800	8.13	136.5	8.57	27.23	100.3	0	29.66
16	350	900	8.52	135.9	9.42	29.35	99.9	0	29.68
16	350	1000	13.55	173.5	10.88	33.11	98.5	0	29.71
16	350	1100	14.31	181.3	7.99	35	95.1	0	29.69
16	350	1200	16.57	180.3	8.62	36.81	93.9	0	29.67
16	350	1300	17.52	183.1	9.41	37.29	90.2	0	29.66
16	350	1400	15.08	173.4	11.68	37.13	89.8	0	29.64
16	350	1500	12.01	158	13.32	37.79	88.1	0	29.61
16	350	1600	12.35	156.8	13.16	36.44	90.7	0	29.58
16	350	1700	16.69	168.6	12.48	36.04	88.6	0	29.57
16	350	1800	13.53	167.5	11.69	35.48	87.8	0	29.55
16	350	1900	11.8	159.2	12.59	34.72	87.3	0	29.53
16	350	2000	11.37	142.3	10.43	33.7	90.3	0	29.5
16	350	2100	13.55	151.1	11.6	34.27	87.7	0	29.46
16	350	2200	13.8	163.1	12.77	36.07	86.3	0	29.45
16	350	2300	15.79	167	11.93	37.48	88.5	0	29.43
17	351	0	17.01	165.8	12.51	38.24	91.2	0	29.41

<b>MAX</b>	<b>26.94</b>	<b>359.7</b>	<b>84.8</b>	<b>100.4</b>	<b>2.63</b>	<b>29.82</b>
<b>MIN</b>	<b>0.394</b>	<b>0.136</b>	<b>12.19</b>	<b>34.32</b>	<b>0</b>	<b>28.61</b>
<b>AVG</b>	<b>7.91</b>	<b>192.22</b>	<b>49.96</b>	<b>86.63</b>	<b>---</b>	<b>29.38</b>

Day	DATE JD	TIME 24H	WS MPH	WD Deg	SIGMA Deg	AT DegF	RH %	RN inch	BP inHg
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**Notes:**

- A- Exceeds AMP criteria parameter for maximum wind speed (> 25 m/s); results are considered valid.
- B- Precipitation gauge is suspected of malfunction; results are considered invalid.
- 1- Exceeds AMP criteria: does not vary > 0.1 m/s for three (3) consecutive hours; results are considered valid.
- 2- Exceeds AMP criteria: does not vary > 1 degree for three (3) consecutive hours; results are considered valid.
- 3- Wind direction vane not functioning; results are considered invalid.
- 4- Exceeds AMP criteria: greater than 5 degree F change from previous hour; results are considered valid.

IF(\$D2258 < 0, "TRUE", IF(\$D2258 > 25, "TRUE"))  
 IF(\$G2259 < 0, "TRUE", IF(\$G2259 > 360, "TRUE"))  
 IF(\$J2260 > \$J2259 + 5, "OVER", IF(\$J2260 < \$J2259 - 5, "UNDER"))  
 IF(\$G2675 > \$G2674 + 1, "GO", IF(\$G2675 < \$G2674 - 1, "STOP", IF(\$G2675 > \$G2676 + 1, "GO2", IF(\$G2675 < \$G2676 - 1, "  
 IF(\$D2262 > \$D2261 + 0.1, "PASS", IF(\$D2262 < \$D2261 - 0.1, "PASS2", IF(\$D2262 > \$D2263 + 0.1, "PASS3", IF(\$D2262 <