SFUND RECORDS CTR
88134838

SFUND RECORDS CTR
2166-05417

AIR EMISSIONS MONITORING REPORT

THIRD QUARTER 1991

2166-05418

LANDFILL AIR EMISSIONS MONITORING REPORT

BRADLEY LANDFILL

THIRD QUARTER 1991

Prepared For:

Valley Reclamation Company
9188 Glenoaks Boulevard
Sun Valley, California 91352

EXECUTIVE SUMMARY

Landfill Air Emissions Monitoring results at the Bradley Landfill for the third quarter of 1991 (for months June, July and August, 1991) are presented in this report. Data is reported pursuant to the *"Guidelines for Implementation of Rule 1150.1"*, as published by the South Coast Air Quality Management District.

The data indicates that Valley Reclamation Company, owner/operator of the Bradley Landfill, is in compliance with Rule 1150.1 and all Variance conditions (Case Number 3824) from Rule 1150.1.

TABLE OF CONTENTS

EXECUTIVE SUMMARY i

TABLE OF CONTENTS ii

LIST OF TABLES iii

1.0 INTRODUCTION 1

2.0 SAMPLING PROCEDURES 2

2.1 INSTANTANEOUS LANDFILL SURFACE MONITORING 2

2.2 AMBIENT AIR SAMPLING 2

2.3 INTEGRATED SURFACE SAMPLING 3

2.4 INTERNAL LANDFILL GAS SAMPLING 4

2.5 PERIMETER PROBE SAMPLING 4

3.0 RESULTS AND DISCUSSION 5

3.1 INSTANTANEOUS SURFACE MONITORING 5

3.2 INTEGRATED SURFACE SAMPLING 5

3.3 AMBIENT AIR SAMPLING 6

3.4 INTERNAL LANDFILL GAS SAMPLING 6

3.5 PERIMETER PROBE SAMPLING 6

3.6 QUALITY ASSURANCE/QUALITY CONTROL PROVISIONS ... 7

LIST OF TABLES

Table 1. Integrated Surface Sample Summary 8

Table 2. 24 Hour Ambient Air Sample Summary 9

Table 3. Less-Than-24 Hour Ambient Air Sample Summary 10

Table 4. Less-Than-24 Hour Co-located Ambient Air Sample Summary 11

Table 5. Internal Landfill Gas Sample Summary 12

LIST OF APPENDICES

A. INSTANTANEOUS SURFACE SAMPLING REPORTS AND SITE PLAN MAPS

B. METEOROLOGICAL DATA

C. ISS AND AMBIENT AIR SITE PLAN MAPS

D. FIELD AND CALIBRATION DATA LOGS

E. LABORATORY RESULTS AND QA/QC SUMMARY

F. PERIMETER PROBE SITE MAP AND WEEKLY PROBE RESULTS

1.0 INTRODUCTION

This report presents the results of landfill air emissions monitoring performed at Bradley Landfill during the months of June, July and August, 1991 by Waste Management of North America (WMNA) personnel. Monitoring was performed in accordance with the South Coast Air Quality Management District (SCAQMD) Rule 1150.1 Monitoring plan developed by Valley Reclamation Company (VRC), a subsidiary of WMNA.

Rule 1150.1 requires that monthly monitoring and quarterly reporting of emissions of specified toxic compounds in the landfill environment be performed. Specific types of monitoring include:

- Instantaneous landfill surface monitoring;
- Ambient air sampling upwind and downwind of the site;
- Integrated surface sampling;
- Internal Landfill Gas Sampling;
- Perimeter probe sampling and weekly readings.

Landfill Site

The Bradley Landfill is located in the Sun Valley District of Los Angeles California, in the northwest corner of the Los Angeles metropolitan area. The landfill is owned and operated by VRC. The site was formerly a sand and gravel pit operated by Conrock Company. The landfill is currently a Class III waste disposal facility occupying approximately 209 acres. Current refuse filling activities are taking place at Bradley West. An active landfill gas (LFG) migration/emissions control system has been operational at the site since 1982. The LFG Collection System produces in excess of 2 million cubic feet per day. During normal operating periods of the day, LFG is collected, processed and piped to Pacific Lighting Energy Systems (PLES). During high energy demand the Los Angeles Department of Water and Power (LADWP) Valley Steam Generating Station accepts the gas. When the LFG is not in demand by PLES and or LADWP, it is routed to an on-site flare station where it is incinerated in accordance with SCAQMD rules and permit conditions.

2.0 SAMPLING PROCEDURES

This section outlines the procedures used in performing each activity. Sampling was conducted on a monthly basis during June, July and August, 1991. All field and analytical procedures were performed in accordance with the guidelines for implementing Rule 1150.1 published by the SCAQMD. All field equipment utilized at the site complies with SCAQMD standards.

2.1 INSTANTANEOUS LANDFILL SURFACE MONITORING

The landfill disposal area was monitored each month for Total Organic Compounds (TOC) measured as methane, using a Flame Ionizing Detector, OVA Model 128. The monitoring consisted of walking the landfill over accessible areas overlying solid waste while maintaining a 3 inch monitoring distance above the surface. Any detections of TOC in excess of 50 ppm are marked on the grid site map (Appendix A) giving location and concentration. Any TOC detections greater than or equal to 500 ppm or greater are reported. Prior to each surface area sweep, the equipment is calibrated using a three point method and the weather is monitored to ensure favorable conditions. Wind speed was monitored and recorded during the sampling event from the onsite meteorological station.

Instantaneous surface monitoring reports located in Appendix A include weather conditions, instrument operation, instrument calibration and field audits on instrument accuracy.

Portions of the landfill were prevented from monitoring due to activities including dirt stock piling, heavy truck traffic, landfill covering on active face, and steep landfill slopes. The monthly site maps for the instant surface sweep patterns are shown in Appendix A.

2.2 AMBIENT AIR SAMPLING

Ambient air monitoring stations were positioned up and downwind of the site. On each test date, two 24-hour samples and three less-than-24 hour samples (including one duplicate) were obtained from upwind and downwind locations. Wind speed and direction were continuously recorded using a onsite meteorological station, and is summarized in Appendix B. These sampler locations are shown in Appendix C. Sample locations were determined based on information generated during meteorological monitoring performed as part of the air Solid Waste Assessment Test in May 1988 and information gathered from the onsite meteorological station. Twenty-four hour meteorological surveys were conducted prior to each ambient air sampling event. Samples were not obtained unless weather conditions and wind conditions were within the Rule 1150.1 specifications.

The 24-hour samplers were programmed to sample from 10:00 a.m. until 10:00 a.m. the following day. The less-than-24-hour samplers were programmed to sample during the peak drainage hours as shown by data collected from the meteorological

station. Flow rates were adjusted to provide an approximate 10-liter sample for the programmed sample duration. Field sheets detailing the calibration and setup of each of the samplers, barometer and checklist, are presented in Appendix D.

Following collection, the air samples were transported to the atmospheric Assessment Associates Inc. (AtmAA Inc.) laboratory, and analyzed within 72 hours for SCAQMD Rule 1150.1 toxic components, methane, and total gaseous non-methane organics (TGNMO). Complete laboratory results for the third quarter sampling event are presented in Appendix E.

2.3 INTEGRATED SURFACE SAMPLING

Integrated Surface Samples (ISS) were obtained from accessible areas overlying deposited refuse materials. The majority of the ISS grids were 100 ft. by 500 ft. sections, or modified versions thereof due to access limitations (such as changes to on-site traffic flow, location of working face, drilling of new gas recovery wells and stock piling of soil). However, several altered rectangular grids were utilized due to access limitations such as changes to on-site traffic flow, location of working face, drilling of new gas recovery wells and stock piling of soil. The altered grid shapes were used to adequately cover the landfill surface while maintaining the required 50,000 square foot area coverage. All ISS samples were collected by walking an equivalent 50,000 square foot grid over a 25 minute period. The locations of all ISS grids are shown in Appendix C.

Wind speed was monitored and recorded during the sampling event from the onsite meteorological station. Ten minute averages that were obtained and diagramed in graphs representing the average wind speed are depicted in Appendix B. Sampling was performed using a back pack mounted, hand held sampling apparatus. A 10 litre Tedlar bag enclosed in a light proof container was attached to the sampling apparatus. The gas was directed to the bag via Teflon tubing. Field sheets detailing the calibration and setup of each of the samplers, barometer and checklist, are presented in Appendix D.

Following collection, the air samples were transported to AtmAA Inc. Laboratory for analysis. The samples were analyzed within 72 hours for SCAQMD Rule 1150.1 toxic components, methane, and TGNMO.

2.4 INTERNAL LANDFILL GAS SAMPLING

Each month, one sample was collected from the LFG collection system header pipe. The sample was obtained over a 10-minute period and was collected in a 10-liter Tedlar bag, enclosed in a light-proof container. The gas was directed to the Tedlar bag via Teflon tubing. All sample hoses and fittings were made of stainless steel or Teflon materials. Field data sheets are located in Appendix D.

Following collection, the air samples were transported to the AtmAA Inc.laboratory, and analyzed within 72 hours for SCAQMD Rule 1150.1 toxic components, permanent gases, Hydrogen Sulfide, and TGNMO.

2.5 PERIMETER PROBE SAMPLING

Each week the perimeter probes were monitored for pressure and methane content using a PDM pressure meter and a Gastech NP204 combustible gas indicator. Weekly probe results are listed in Appendix F.

Monthly gas samples were collected from selected perimeter probes, Prior to sampling, each probe was evacuated until the TOC remained constant for 30 seconds. Samples were then collected in a 10-liter Tedlar bag enclosed in a light-proof container. The gas was directed to the Tedlar bag via Teflon tubing. All sample hoses and fittings were made of stainless steel or Teflon materials. The sample was obtained over a ten minute period.

Following collection, monthly probe samples were transported to the AtmAA Inc. laboratory, and analyzed within 72 hours for SCAQMD Rule 1150.1 toxic components, methane, and TGNMO.

3.0 RESULTS AND DISCUSSION

3.1 INSTANTANEOUS SURFACE MONITORING

Landfill surface monitoring was performed at the Bradley East, West and West Extension locations during the months of June, July and August. Grid maps showing the landfill areas surveyed and locations of notable emissions (i.e. greater than 50 ppm TOC as methane) are included in Appendix A. The results and discussion of the survey of the findings are provided below.

JUNE
There were no detections of TOC as methane above 500ppm noted.

JULY
There were no detections of TOC as methane above 500ppm noted.

AUGUST
There were no detections of TOC as methane above 500ppm noted.

3.2 INTEGRATED SURFACE SAMPLING

The number of ISS collected during the three month period are as follows:

June	18 ISS grids
July	15 ISS grids
August	15 ISS grids

Each ISS was tested in the field for TOC as methane using a Century OVA Model 128. During each month of the quarter, two samples were selected for laboratory testing.

During the month of July, one ISS sample grid (#14) measured in excess of 50ppm, at 190ppm. An OVA sweep of grid #14 and surrounding areas was conducted immediately thereafter. During the OVA, sweep no TOC as methane was detected above background level of 4.5 ppm. Grid #14 was resampled the following day and no detections of TOC as methane was found. The confirmation monitoring at Grid #14 indicated that the recording of 190 ppm methane was anomalous. The high reading may have been due to a sampling equipment malfunction. Table 1 presents a summary of the analytical results obtained for this quarter. Complete laboratory reports are included in Appendix E.

Analytical results for this quarter are all within Rule 1150.1. No exceedances were detected and all levels of measured compounds were within normal background for this area. The results shown in Table 1 are of similar magnitude.

It should be noted that the ISS are not correlated with the same area of the landfill (grid) as the previous month (i.e., ISS locations in Table 1 vary from month to

month). The locations of each ISS are shown on Appendix C.

3.3 AMBIENT AIR SAMPLING

Sample results for 24 and less-than 24-hour samples that were collected in June, July August, 1991 are shown in Tables 4, 5 and 6 respectively. A duplicate (collocated) sample was obtained each month at the downwind, less-than-24-hour sample location (the point of maximum expected contaminant concentrations). Table 2 presents the 24-hour upwind and downwind analytical results for each of the days tested. Table 3 presents the less-than-24-hour upwind and downwind analytical results, and Table 4 presents the less-than-24-hour downwind collocated analytical results.

The upwind to downwind 24-hour and less-than 24-hour samples indicated no significant differences between the two results.

3.4 INTERNAL LANDFILL GAS SAMPLING

Sample results for the internal landfill gas samples that were collected in June, July and August, 1991 are shown in Table 5. During the July sampling event, gas condensate infiltrated the sampling port of the collection header line. Due to the gas condensate infiltration, a temporary sampling point was installed for the collection of the landfill gas. It was possible that air could have been drawn into the tedlar bag during the collection of landfill gas from the temporary sampling point. This could account for the lower percentage of methane and higher percentage of oxygen. The compete laboratory results are located in Appendix E.

3.5 PERIMETER PROBE SAMPLING

Perimeter probes are sampled weekly for TOC as methane. The results of these measurements are found in Appendix F. Perimeter probe gas samples were analyzed each month per Section 7.0 of the Guidelines for Rule 1150.1, for toxic components, methane and TGNMO at AtmaAA Inc. laboratory. The perimeter probes that were sampled and methane concentration for each month are listed below.

MONTH	PROBE #
June	W-2b, E-8d
July	E-8d, W-6
August	W-2s, E-8d

Please refer to the site map in Appendix F for perimeter probe locations. During the past quarter, weekly probe readings were taken for pressure and percent methane. The results of the monitoring are listed in Appendix F.

3.6 QUALITY ASSURANCE/QUALITY CONTROL PROVISIONS

Quality assurance/quality control (QA/QC) provisions were strictly maintained during sample collection and analysis. The provisions for field quality assurance and sampling methodology included:

- Adherence to sample handling and chain-of-custody provisions, as out-lined in the Guidelines for Implementing Rule 1150.1.

- Use of field data sheets to record sampling date and location, initials of field personnel, sample flow rates, regular equipment checks and calibration, weather conditions, etc.

- Collection of Ambient Air Co-located samples.

- Regular service checks and calibration of all field equipment.

- Prior to each use, the Tedlar bags were vacuum tested for leakage, then purged three times with purified Nitrogen.

Co-located Sample

Co-located samples were obtained on all test dates at the downwind less-than-24-hour sampler location. No significant changes between the two samples were noticed. Analytical results are summarized in Table 4 and are included in Appendix E.

TABLE 1. INTEGRATED SURFACE SAMPLE ANALYTICAL RESULTS

Concentrations are reported as ppb. unless noted.
Referenced grid locations are shown in Appendix A.

COMPOUNDS	Detection Limits	JUNE Grid #14 BAG I.D. VR057	JUNE Grid #11 BAG I.D. VR071	JULY Grid #1 BAG I.D. VR051	JULY Grid #4 BAG I.D. VR044	AUGUST Grid #14 BAG I.D. VR099	AUGUST Grid #3 BAG I.D. VR057.5
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	3.31	3.36	2.39	2.46	4.07	3.78
Benzyl Chloride	0.8	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.1	ND	0.14	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	0.4	ND	ND	ND	ND	ND	0.93
1,2-dichloroethane	0.2	ND	ND	ND	ND	ND	ND
1,1-dichloroethylene	0.1	ND	ND	ND	ND	ND	ND
Dichloromethane	0.2	3.25	1.12	0.62	1.10	0.63	0.57
Perchloroethene	0.1	1.70	0.50	0.54	0.44	0.32	16.2
Carbon Tetrachloride	0.06	0.14	0.12	0.10	0.10	0.12	0.11
Toluene	0.1	7.32	6.06	4.55	5.20	10.6	7.46
1,1,1-trichloroethane	0.06	9.36	6.07	5.36	3.71	2.03	4.62
Trichloroethene	0.06	0.14	ND	ND	ND	ND	1.25
Chloroform	0.08	ND	0.11	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p-xylenes	0.4	3.14	3.64	3.00	3.15	5.72	9.32
o-xylenes	0.2	1.67	1.68	2.52	1.61	3.13	3.27
Total Methane (ppmv)	1.0 ppm	2.18ppm	2.14ppm	2.03ppm	1.95ppm	2.21ppm	2.36ppm
TGNMO (ppmv)	1.0 ppm	2.59ppm	2.42ppm	1.45ppm	2.70ppm	1.34ppm	6.52ppm

TGNMO: = Total non methane organics
Grid locations vary so grid numbers do not correlate from month to month.
ND = not detected

TABLE 2. 24 HOUR AMBIENT AIR SAMPLES - ANAYLTICAL RESULTS

Concentrations are reported as ppbv unless otherwise noted

Compounds	Detection limits	JUNE Upwind VR074	JUNE Downwind VR075	JULY Upwind VR088	JULY Downwind VR084	AUGUST Upwind VR099	AUGUST Downwind VR057.5
		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	2.23	2.18	2.62	2.50	4.07	3.78
Benzyl Chloride	0.8	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.1	ND	ND	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	0.4	ND	ND	ND	ND	ND	0.93
1,2-dichloroethane	0.2	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	0.1	ND	ND	ND	ND	ND	ND
Dichloromethane	0.2	0.61	0.62	0.65	0.72	0.63	0.57
Perchloroethene	0.1	0.16	0.14	0.50	0.56	0.32	16.2
Carbon Tetrachloride	0.06	0.11	0.10	0.10	0.10	0.12	0.11
Toluene	0.1	4.72	3.57	5.43	5.07	10.6	7.46
1,1,1-trichloroethane	0.06	2.48	2.20	3.97	3.57	2.03	4.62
Trichloroethane	0.06	0.15	0.094	ND	ND	ND	1.25
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p-xylenes	0.4	1.77	1.38	3.30	2.80	5.72	9.32
o-xylenes	0.2	1.24	0.59	1.98	1.70	3.13	3.27
Total methane in ppm	1.0ppm	3.48ppm	2.10ppm	3.43ppm	2.03 ppm	2.21ppm	2.36ppm
TGNMO in ppm	1.0ppm	3.19ppm	3.46ppm	ND	ND	1.34ppm	6.52ppm

NOTES
ND = not detected

TAB[illegible] LESS THAN 24 HOUR AMBIENT AIR SA[illegible]S - ANAYLTICAL RESULTS

Concentrations are reported as ppbv unless otherwise noted

Compounds	Detection limits	JUNE Upwind VR055 (ppb)	JUNE Downwind VR073 (ppb)	JULY Upwind VR085 (ppb)	JULY Downwind VR083 (ppb)	AUGUST Upwind VR096 (ppb)	AUGUST Downwind VR097 (ppb)
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	1.87	1.64	2.30	2.21	5.08	6.06
Benzyl Chloride	0.8	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.1	ND	ND	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	0.4	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	0.2	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	0.1	ND	ND	ND	ND	ND	ND
Dichloromethane	0.2	0.67	0.43	0.48	0.48	0.88	0.98
Perchloroethene	0.1	0.18	0.21	0.28	0.23	0.46	0.57
Carbon Tetrachloride	0.06	0.11	0.11	0.082	0.11	0.12	0.12
Toluene	0.1	3.69	3.48	6.34	4.69	13.2	14.2
1,1,1-trichloroethane	0.06	2.32	2.13	1.80	1.82	3.39	3.85
Trichloroethane	0.06	ND	ND	ND	ND	ND	ND
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p-xylenes	0.4	1.86	1.65	3.88	2.93	7.39	8.44
o-xylenes	0.2	0.90	0.95	1.80	1.90	4.34	3.60
Total methane in ppm	1.0ppm	2.13ppm	3.86ppm	1.99ppm	4.36ppm	2.26ppm	3.01ppm
TGNMO in ppm	1.0ppm	1.08ppm	1.97ppm	ND	2.18ppm	2.24ppm	2.93ppm

NOTES:
ND = not detected

TAB[illegible]LESS THAN 24 HOUR CO-LOCATED AMBIENT [illegible]R [illegible]MPLES - ANAYLTICAL RESULTS

Concentrations are reported as ppbv unless otherwise noted

Compounds	Detection limits	JUNE Downwind VR073	JUNE Co-located VR056	JULY Downwind VR083	JULY Co-located VR086	AUGUST Downwind VR097	AUGUST Co-locate VR093
		ppb		ppb		ppb	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	1.64	1.73	2.21	2.08	6.06	5.26
Benzyl Chloride	0.8	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.1	ND	ND	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	0.4	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	0.2	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	0.1	ND	ND	ND	ND	ND	ND
Dichloromethane	0.2	0.43	0.41	0.48	0.44	0.98	1.00
Perchloroethene	0.1	0.21	0.12	0.23	0.23	0.57	0.50
Carbon Tetrachloride	0.06	0.11	0.11	0.11	0.10	0.12	0.12
Toluene	0.1	3.48	3.58	4.69	4.12	14.2	12.8
1,1,1-trichloroethane	0.06	2.13	2.06	1.82	1.76	3.85	3.94
Trichloroethane	0.06	ND	ND	ND	ND	ND	ND
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p-xylenes	0.4	1.65	1.76	2.93	2.72	8.44	7.38
o-xylenes	0.2	0.95	0.88	1.90	0.87	3.60	3.77
Total methane in ppm	1.0ppm	3.86 ppm	3.63 ppm	4.36 ppm	4.61 ppm	3.01 ppm	3.37 ppm
TGNMO in ppm	1.0ppm	1.97 ppm	3.13 ppm	2.18 ppm	ND	2.93 ppm	2.87 ppm

TABLE 5. LANDFILL GAS SAMPLES – ANALYTICAL RESULTS

	Detection Limits	June BAG I.D. VR040	July BAG I.D. VR059	August BAG I.D. VR079
COMPONENTS measured in concentration in ppm V/V				
TGNMO	1ppm	9890	4000	9160
Hydrogen Sulfide	0.5ppm	38.4	39.2	51.6
COMPONENTS measured in percentage % V/V				
Methane	0.2%	41.6	28.9	43.2
Carbon Dioxide	0.2%	37.3	27.0	40.0
Oxygen	0.2%	1.34	6.92	0.58
Nitrogen	0.2%	20.7	35.4	15.7
COMPOUNDS measured in concentration in ppb, V/V				
Acetonitrile	5.0	16.0	9.12	19.1
Benzene	50	1930	1340	1890
Benzyl Chloride	100	ND	ND	ND
Chlorobenzene	50	122	ND	ND
Dichlorobenzene	100	168	226	498
1,1-dichloroethane	100	5880	2940	3240
1,2-dichloroethane	20	193	180	304
1,1-dichloroethylene	30	787	484	320
Dichloromethane	15	7700	4980	8080
Perchloroethene	2	19000	10900	9680
Carbon Tetrachloride	1	ND	ND	ND
Toluene	75	49100	49800	60400
1,1,1-trichloroethane	5	109	135	142
Trichloroethene	4	5890	4700	3580
Chloroform	2	2.88	ND	1.07
Vinyl Chloride	20	5060	3160	5340
m+p-xylenes	100	13600	15000	25300
o-xylenes	60	4520	4750	9040

NOTES
ND = not detected
TGNMO = Total Gaseous Non Methane Organics

APPENDIX A

INSTANTANEOUS SURFACE SWEEP REPORT AND SITE MAP

INSTANTANEOUS SURFACE MONITORING, REPORTS AND RESPONSES

FOR THE MONTH OF JUNE

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: July 2, 1991

TO: JOHN MAYS

FROM: ERNEST DRAGAN, COZETTA WILSON CD, CW.

SUBJECT: GAS EMISSION SURVEY CARRIED OUT ON BRADLEY WEST, BRADLEY WEST EXTENSION AND BRADLEY EAST LANDFILLSON JUNE 25, 27 and 28, 1991

A sweep was conducted using a Century Organic Vapor Analyzer Model OVA 128 to locate potential surface landfill gas emissions. Monitoring was conducted according to the "Guidelines for Implementation of Rule 1150.1" by marking on the grided map any detections exceeding 50 ppm TOC as methane.

Weather conditions were within sampling limits; noting that no rainfall was observed 24 hours prior to the survey. Wind speed was measured using a hand held anomometer and recorded every hour. Details on the weather conditions, instrument operation, performance checklist, laboratory calibration and field audits are attached.

The results of the survey and a discussion of the findings are provided below.

BRADLEY EAST (SOUTH SECTION)

Time of Sweep: 12:30 - 13:25 JUNE 25, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley East (South section).

BRADLEY EAST (NORTH SECTION)

Time of Sweep: 13:30 - 15:00 June 27, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley East (North section) during the time of the sweep.

BRADLEY WEST

Time of Sweep: 10:00 - 11:45 June 27, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley West.

BRADLEY WEST EXTENSION

Time of Sweep: 8:40 - 11:45 June 28, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley West Extension.

c.c. Eric Davies
Bob Austin
Susan Kilgore

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVA SWEEP

OPERATOR: Wilson

DATE: 6/26/91 **Start** 8:20 **Finish** 8:30

Model # Century OVA 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	3.0 ppm
Leak Test	(Pass)/Fail
Clean System Check (Check Valve Chatter)	(Pass)/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	(Pass)/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
10	10	100	3.0
95	95	100	3.0
900	900	100	3.0

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	10	9	90%
	95	90	94.7%
2.	900	850	94%

Instrument calibrated to CH_4 gas

COMMENTS:

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

10:00
11:00

SITE: 234

PURPOSE: OVA SWEEPS

OPERATOR: C. Wilson

DATE: 6/27/91 **Start** 9:40 **Finish** 9:50

Model # Century OVA 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	3.2 ppm
Leak Test	(Pass)/Fail
Clean System Check (Check Valve Chatter)	(Pass)/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	(Pass)/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
10	10	100%	3.2
95	95	100%	3.2
900	900	100%	3.2

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
	10	10	100%
1.	95	93	98%
2.	900	900	100%

Instrument calibrated to CH4 gas

COMMENTS:

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVA SWEEP

OPERATOR: DRAGAN

DATE: 6/28/91 **Start** 12:15 **Finish** 12:30

Model # CENTURY 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery Test	Pass/Fail	Perform Three Point Internal Calibration Before Use.
Reading Following Ignition	3.7 ppm	**CALIBRATION CHECK**
Leak Test	Pass/Fail	
Clean System Check (Check Valve Chatter)	Pass/Fail	
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	Pass/Fail	

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	[redacted]	Ambient (ppm)
10	10		4
95	95		4
900	900		4

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 12:30	10	4	90
	95	95	100
	900	900	100
2.			

Instrument calibrated to_____gas

COMMENTS: WEATHER : BAROMETER · 29.97 @ 12:00
TIME WIND

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: JULY 1, 1991

TO: JOHN MAYS

FROM: SUSAN KILGORE

SUBJECT: **RESPONSE TO POINT SOURCE EMISSIONS JUNE 25, 27 and 28, 1991**

In response to the Gas Emission Survey performed by Environmental Technicians Ernie Dragan and Cozetta Wilson on June 25, 27 and 28, 1991, the following responses were taken:

BRADLEY EAST (SOUTH SECTION)

Exceeded Limits: No exceeded limits.

Response: No response necessary.

BRADLEY EAST (NORTH SECTION)

Exceeded Limits: No exceeded limits.

Response: No response necessary.

BRADLEY WEST EXTENSION

Exceeded Limits: No exceeded limits.

Response: No response necessary.

BRADLEY WEST

Exceeded Limits: No exceeded Limits.

Response: No responce necessary.

cc: Eric Davies
Bob Austin
Ernie Dragan
Cozetta Wilson
F/VR Rule 1150.1/Report 06/91

PARTIALLY SCANNED OVERSIZE ITEM(S)

See document # 2199226
for partially scanned image(s).

1 OF 12

For complete hardcopy version of the oversize document contact the Region IX Superfund Records Center at (415) 536-2000

INSTANTANEOUS SURFACE MONITORING, REPORTS AND RESPONSES

FOR THE MONTH OF JULY

Valley Reclamation Company
9188 Glenoaks Boulevard
P.O. Box 39
Sun Valley, California 91352
818/767-6180 • FAX: 818/767-4270

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: August 16, 1991

TO: JOHN MAYS

FROM: COZETTA WILSON

SUBJECT: **GAS EMISSION SURVEY CARRIED OUT ON BRADLEY WEST, BRADLEY WEST EXTENSION AND BRADLEY EAST LANDFILLS ON JULY 24 and 25, 1991**

A sweep was conducted using a Century Organic Vapor Analyzer Model OVA 128 to locate potential surface landfill gas emissions. Monitoring was conducted according to the "Guidelines for Implementation of rule 1150.1" by marking on the grided map any detections exceeding 50 ppm TOC as methane.

Weather conditions were within sampling limits; noting that no rainfall was observed 24 hours prior to the survey. Wind speed was measured using a hand held anomometer and recorded every hour. Details on the weather conditions, instrument operation, performance checklist, laboratory calibration and field audits are attached.

The results of the survey and a discussion of the findings are provided below.

BRADLEY EAST (SOUTH SECTION)

Time of Sweep: 9:30 - 10:00, 10:30 - 11:40 July 25, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley East (South section).

No other detections of organic vapor was observed.

BRADLEY WEST EXTENSION

Time of Sweep: 12:30 - 3:30 July 26, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley West Extension.

BRADLEY EAST (NORTH SECTION)

Time of Sweep: 12:30 - 3:30 July 26, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley East (North section) during the time of the sweep.

BRADLEY WEST

Time of Sweep: 12:30 - 3:30 July 26, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley West.

c.c. Eric Davies
Bob Austin
Susan Kilgore

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVA Sweep

OPERATOR: C. Wilson

DATE: 7/24/91 **Start** 9:00 **Finish** 9:25

Model # Century OVA 108
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	3.75 ppm
Leak Test	(Pass)/Fail
Clean System Check (Check Valve Chatter)	(Pass)/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	(Pass)/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
10	10	100 %	4.5
95	95	100 %	4.5
100	100	100 %	4.5

AUDIT

	Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	11:56	10	8.5	85%
	11:56	95	90	
2.	11:56	900	860	

Instrument calibrated to CH4 gas

COMMENTS: Time: 9:30 - 10:00, 10:30 - 11:40

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 134

PURPOSE: OVA & ISS

OPERATOR: Wilson

DATE: 7/25/91 **Start** 11:10 **Finish** 11:13

Model # OVA 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	3.75 ppm
Leak Test	(Pass)/Fail
Clean System Check (Check Valve Chatter)	(Pass)/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	(Pass)/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
95	95	100%	3.75
900	900	100%	3.75
10	10	100%	3.75

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.			
2.			

Instrument calibrated to CH_4 gas

COMMENTS: ~~9:3~~ 12:30 start
3:30 End

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: August 7, 1991

TO: John Mays

FROM: Susan Kilgore SK

RE: **RESPONSE TO POINT SOURCE EMISSIONS JULY 24 AND 25, 1991**

In response to the Gas Emission Survey performed by Environmental Technician, Cozetta Wilson, on July 24 and 25, 1991, the following responses were taken:

BRADLEY EAST (SOUTH SECTION)

Exceeded Limits: No exceeded limits.

Response: No response necessary.

BRADLEY EAST (NORTH SECTION)

Exceeded Limits: No exceeded limits.

Response: No response necessary.

BRADLEY WEST EXTENSION

Exceeded Limits: No exceeded limits

Response: No response necessary.

BRADLEY WEST

Exceeded Limits:	No exceeded limits.
Response:	No response necessary.

cc: Eric Davies
Bob Austin
Ernie Dragan
Cozetta Wilson

F/VR Rule 1150.1 Report 07/91

PARTIALLY SCANNED
OVERSIZE ITEM(S)

See document # 2199226
for partially scanned image(s).

2 OF 12

For complete hardcopy version of the oversize document
contact the Region IX Superfund Records Center at
(415) 536-2000

INSTANTANEOUS SURFACE MONITORING, REPORTS AND RESPONSES

FOR THE MONTH OF AUGUST

Valley Reclamation Company
Bradley Landfill & Recycling Center
9188 Glenoaks Boulevard, 3rd Floor
P.O. Box 39
Sun Valley, California 91352
818/767-6180 • FAX: 818/767-4270

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: SEPTEMBER 6,1991

TO: JOHN MAYS

FROM: ERNIE DRAGAN

SUBJECT: **GAS EMISSION SURVEY CARRIED OUT ON BRADLEY WEST, BRADLEY WEST EXTENSION AND BRADLEY EAST LANDFILLS ON AUGUST 26 AND 27, 1991**

A sweep was conducted using a Century Organic Vapor Analyzer Model OVA 128 to locate potential surface landfill gas emissions. Monitoring was conducted according to the "Guidelines for Implementation of rule 1150.1" by marking on the grided map any detections exceeding 50 ppm TOC as methane.

Weather conditions were within sampling limits; noting that no rainfall was observed 24 hours prior to the survey. Wind speed was measured using a hand held anomometer and recorded every hour. Details on the weather conditions, instrument operation, performance checklist, laboratory calibration and field audits are attached.

The results of the survey and a discussion of the findings are provided below.

BRADLEY EAST (SOUTH SECTION)

Time of Sweep: 9:00 - 10:00 August 26, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley East (South section).

BRADLEY EAST (NORTH SECTION)

Time of Sweep: 10:00 - 11:00 August 26, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley East (North section) during the time of the sweep.

A portion of Bradley East was not monitored due to active grading and dirt stock piling.

BRADLEY WEST EXTENSION

Time of Sweep: 11:15 - 12:45 August 26, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley West Extension.

BRADLEY WEST

Time of Sweep: 09:30 - 12:00 August 27, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley West.

c.c. Eric Davies
Bob Austin
Susan Kilgore

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVA

OPERATOR: DRAGAN

DATE: 8/27/91 **Start** 0900 **Finish** 0915

Model # CENTUM 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	3.6ppm
Leak Test	Pass/Fail
Clean System Check (Check Valve Chatter)	Pass/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	Pass/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
10	10		
95	95		
900	900		

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 12:15	10	12	83
	95	93	98
2.	900	880	98

Instrument calibrated to CH_4 gas

COMMENTS: WIND SPEED TIME

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVA

OPERATOR: DRAGAN

DATE: 8/26/91 **Start** 8:30 **Finish** 8:45

Model # CENTURY 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery Test	Pass/Fail	Perform Three Point Internal Calibration Before Use.
Reading Following Ignition	4.5 ppm	**CALIBRATION CHECK**
Leak Test	Pass/Fail	
Clean System Check (Check Valve Chatter)	Pass/Fail	
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	Pass/Fail	

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
10	10		
95	95		
900	900		

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 1:15	10	9	90
	95	92	97
	900	880	98
2.			

Instrument calibrated to CH_4 gas

COMMENTS: WIND SPEED TIME

A Waste Management Company

SOUTHERN CALIFORNIAEMD
INTERCOMPANYMEMORANDUM

DATE: SEPTEMBER 10, 1991

TO: JOHN MAYS

FROM: SUSAN KILGORE

SUBJECT: **RESPONSE TO POINT SOURCE EMISSIONS AUGUST 26 and 27, 1991**

In response to the Gas Emission Survey performed by Environmental Technicians Ernie Dragan and Cozetta Wilson on August 26 and 27, 1991, the following responses were taken:

BRADLEY EAST (SOUTH SECTION)

Exceeded Limits: No exceeded limits.

Response : No response necessary.

BRADLEY EAST (NORTH SECTION)

Exceeded Limits: No exceeded limits.

Response : No response necessary.

BRADLEY WEST EXTENSION

Exceeded Limits: No exceeded limits.

Response : No response necessary.

BRADLEY WEST

Exceeded Limits: No exceeded Limits.

Response : No responce necessary.

cc: Eric Davies
Bob Austin
Ernie Dragan
Cozetta Wilson
F/VR Rule 1150.1/Report 08/91

PARTIALLY SCANNED
OVERSIZE ITEM(S)

See document # 2199224
for partially scanned image(s).

3 OF 12

For complete hardcopy version of the oversize document
contact the Region IX Superfund Records Center at
(415) 536-2000

APPENDIX B

WIND SPEED AND DIRECTION INFORMATION

WIND SPEED AND DIRECTION INFORMATION

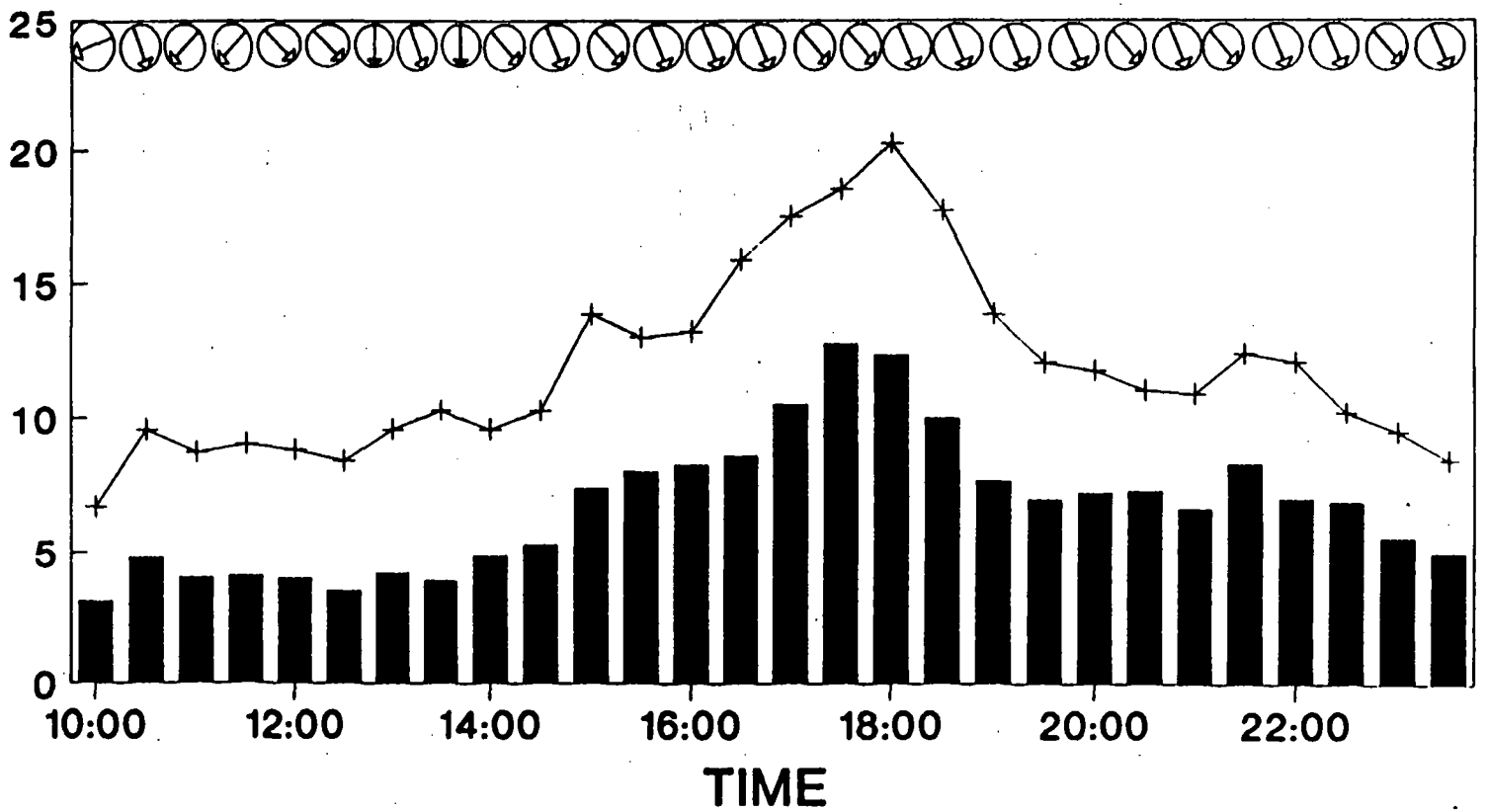
FOR THE MONTH OF JUNE

METEOROLOGICAL DATA

DATE		TIME	AVE WIND SPEED	AVE WIND DIR	MAX WIND SPEED
6	9	1000	3.173	225.5	6.729
6	9	1030	4.823	177.8	9.57
6	9	1100	4.069	204	8.73
6	9	1130	4.152	206	9.04
6	9	1200	4.056	156	8.83
6	9	1230	3.543	179	8.41
6	9	1300	4.243	180.7	9.57
6	9	1330	3.962	136.1	10.3
6	9	1400	4.909	180.7	9.57
6	9	1430	5.292	147.8	10.3
6	9	1500	7.4	163.3	13.88
6	9	1530	8.01	154.1	13.04
6	9	1600	8.25	162.3	13.25
6	9	1630	8.6	169.7	15.88
6	9	1700	10.53	169.1	17.45
6	9	1730	12.81	150.5	18.5
6	9	1800	12.37	153	20.29
6	9	1830	10.01	170.7	17.66
6	9	1900	7.7	176.6	13.88
6	9	1930	6.993	162.1	12.09
6	9	2000	7.23	160.7	11.78
6	9	2030	7.31	147.8	11.04
6	9	2100	6.663	157.8	10.93
6	9	2130	8.3	148.9	12.41
6	9	2200	7.03	163.4	12.09
6	9	2230	6.916	159.3	10.2
6	9	2300	5.569	148.3	9.46
6	9	2330	4.997	158.5	8.41
6	10	0	4.83	154.7	7.68
6	10	30	3.936	150.6	5.993
6	10	100	3.037	154.8	5.572
6	10	130	3.58	161.7	7.68
6	10	200	5.301	153.9	8.2
6	10	230	4.138	151	7.04
6	10	300	3.627	141.6	5.888
6	10	330	3.067	132.4	6.519
6	10	400	1.413	32.55	2.418
6	10	430	1.928	29.23	2.944
6	10	500	2.43	20.79	3.785
6	10	530	2.564	25.24	3.68
6	10	600	2.365	17.26	3.785
6	10	630	1.135	33.03	2.208
6	10	700	0.843	26.84	2.208
6	10	730	2.269	166.2	4.521
6	10	800	2.359	133.4	5.257
6	10	830	2.325	181.8	5.678
6	10	900	2.812	181.8	5.047
6	10	930	2.99	179.5	5.888
6	10	1000	2.436	207.5	6.203

MONITORING WIND CONDITIONS

June 9, 1991



MEAN WIND SPEEDS

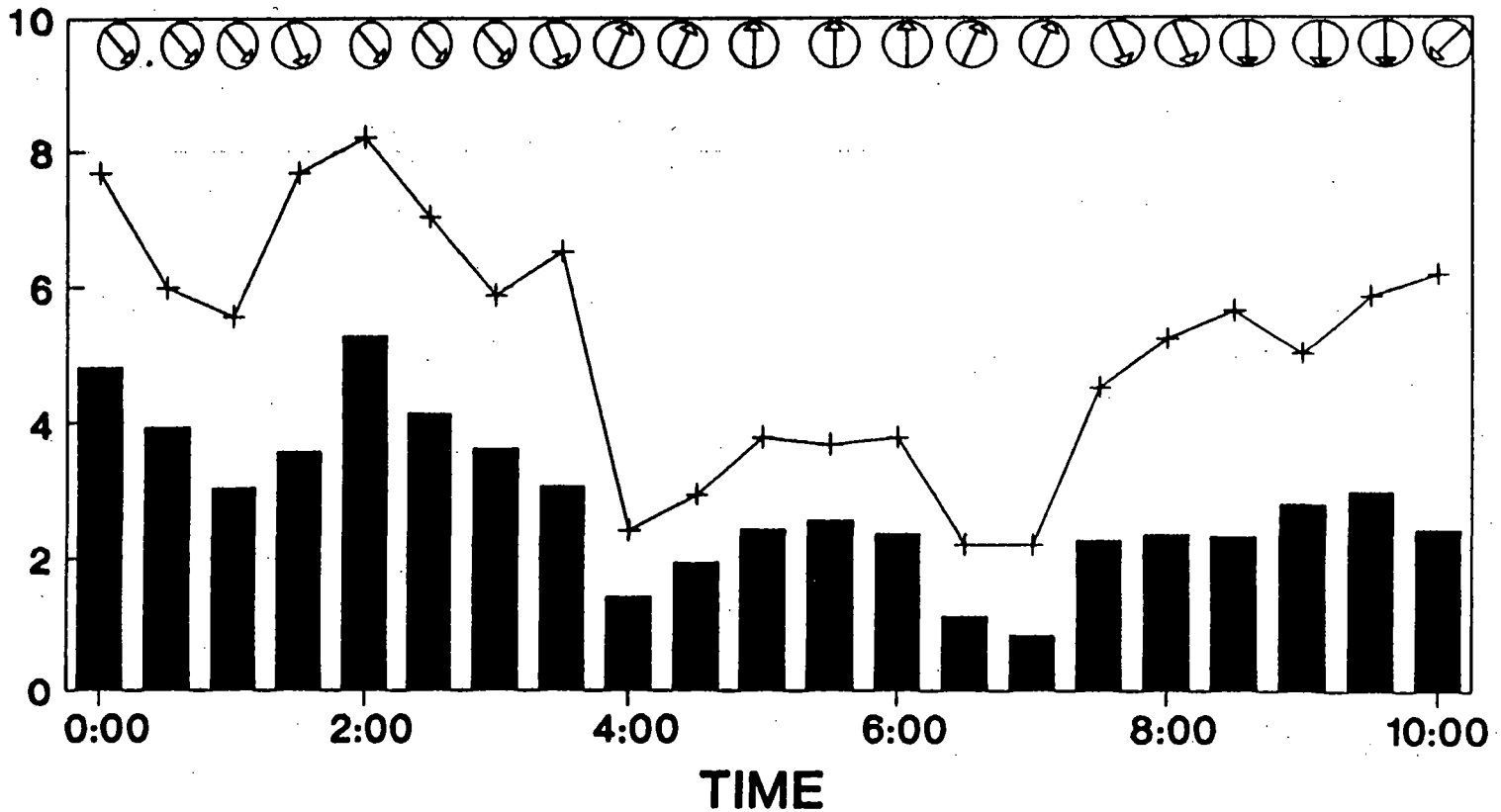
MAX. WIND SPEEDS

DUE NORTH

(speed in mph)

MONITORING WIND CONDITIONS

June 10, 1991



MEAN WIND SPEEDS — MAX. WIND SPEEDS

DUE NORTH

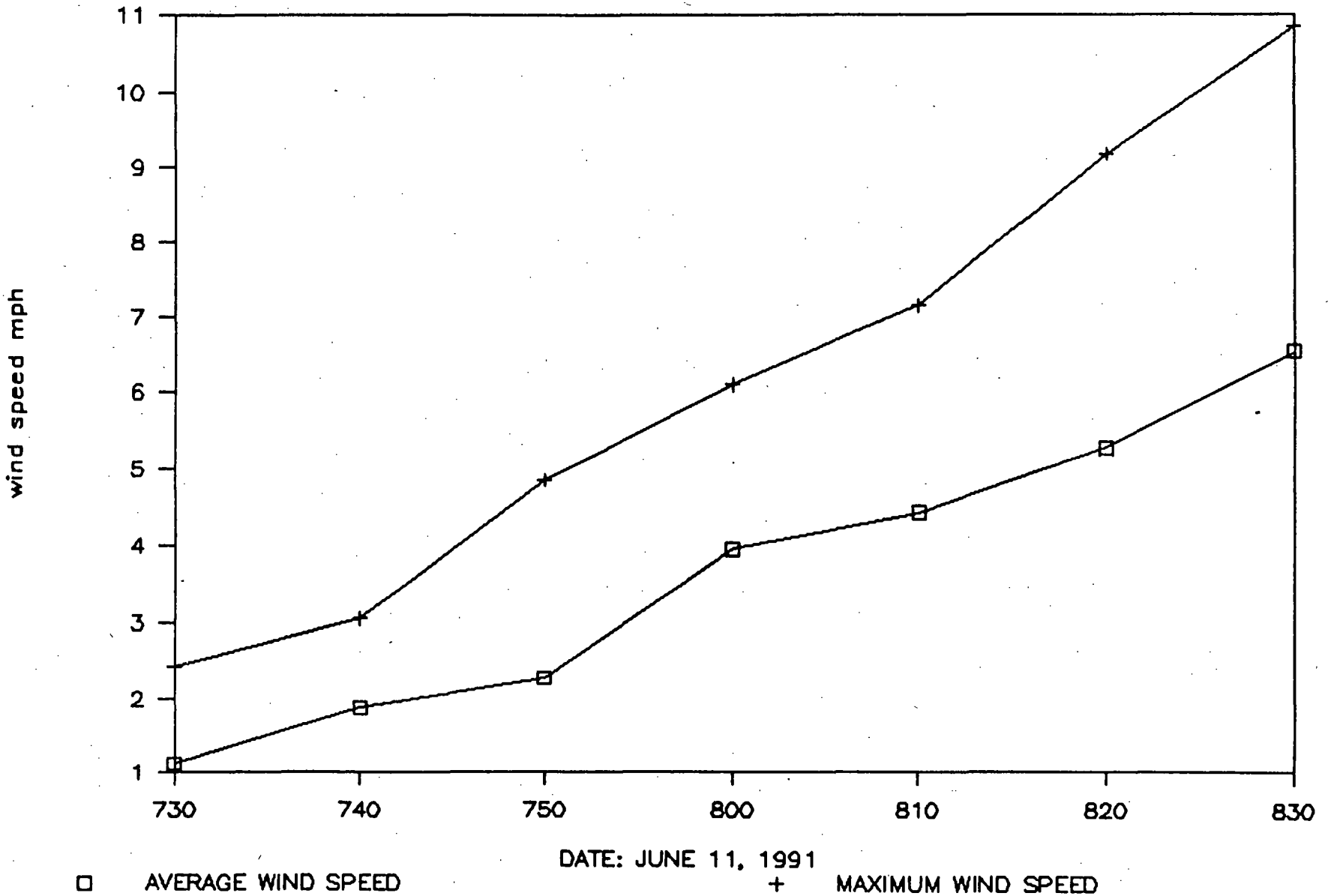
(speed in mph)

METEOROLOGICAL WIND DATA
INTEGRATED SURFACE SAMPLING

date		time	ave wind speed	max wind speed
6	11	730	1.116	2.418
6	11	740	1.884	3.049
6	11	750	2.271	4.836
6	11	800	3.95	6.098
6	11	810	4.424	7.15
6	11	820	5.277	9.15
6	11	830	6.534	10.83

METEOROLOGICAL WIND DATA

INTEGRATED SURFACE SAMPLING

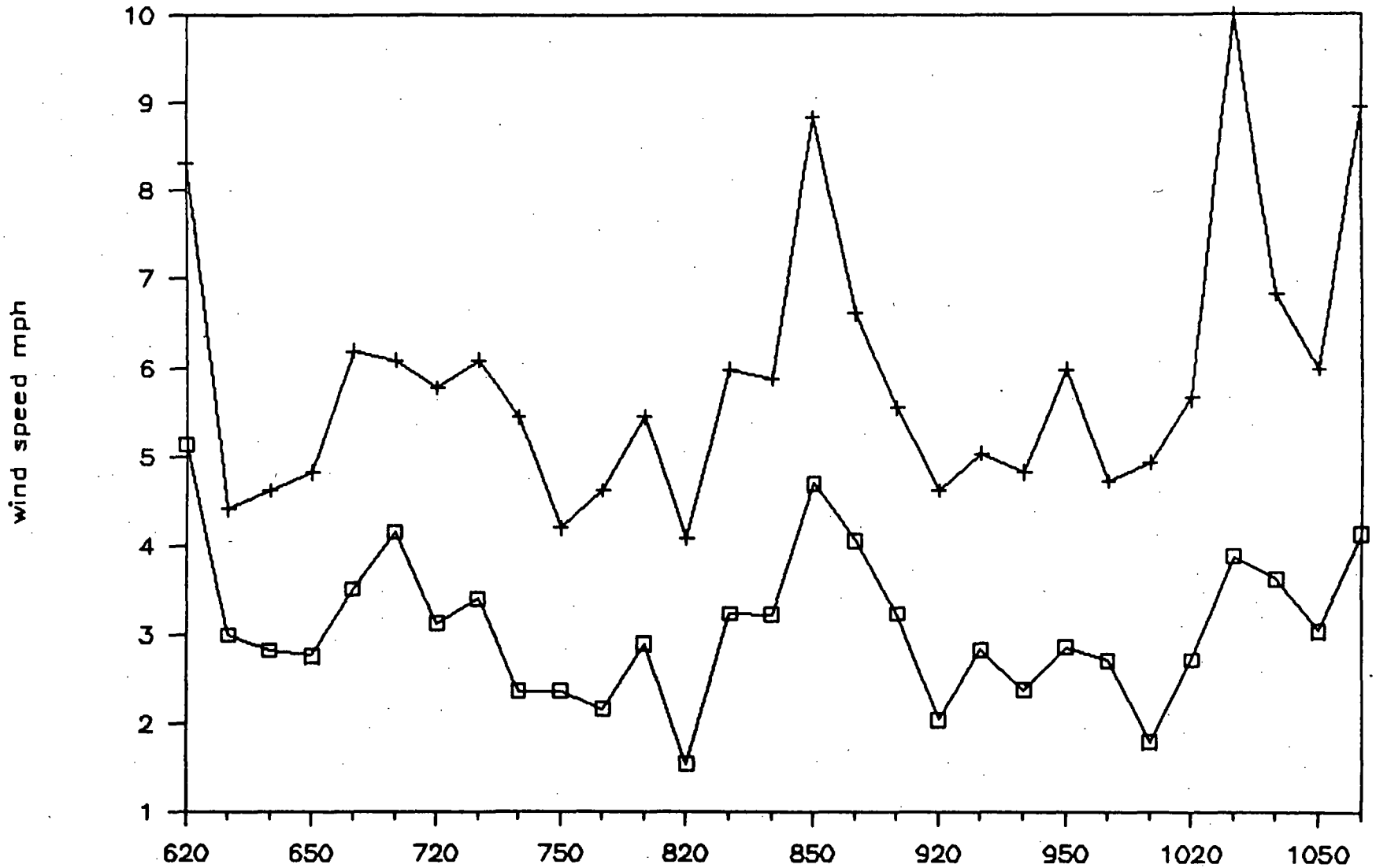


INTEGRATED SURFACE SAMPLING
METEOROLOGICAL DATA

DATE		TIME	AVE WIND SPEED	MAX WIND SPEED
6	12	620	5.148	8.31
6	12	630	3.004	4.416
6	12	640	2.832	4.626
6	12	650	2.775	4.836
6	12	700	3.524	6.203
6	12	710	4.159	6.098
6	12	720	3.128	5.783
6	12	730	3.41	6.098
6	12	740	2.368	5.467
6	12	750	2.371	4.206
6	12	800	2.162	4.626
6	12	810	2.907	5.467
6	12	820	1.539	4.1
6	12	830	3.243	5.993
6	12	840	3.236	5.888
6	12	850	4.707	8.83
6	12	900	4.068	6.624
6	12	910	3.247	5.572
6	12	920	2.051	4.626
6	12	930	2.839	5.047
6	12	940	2.389	4.836
6	12	950	2.873	5.993
6	12	1000	2.719	4.731
6	12	1010	1.797	4.942
6	12	1020	2.727	5.678
6	12	1030	3.894	9.99
6	12	1040	3.634	6.834
6	12	1050	3.054	5.993
6	12	1100	4.131	8.94

METEOROLOGICAL WIND DATA

INTEGRATED SURFACE SAMPLING



DATE: JUNE 12, 1991

□ AVERAGE WIND SPEED

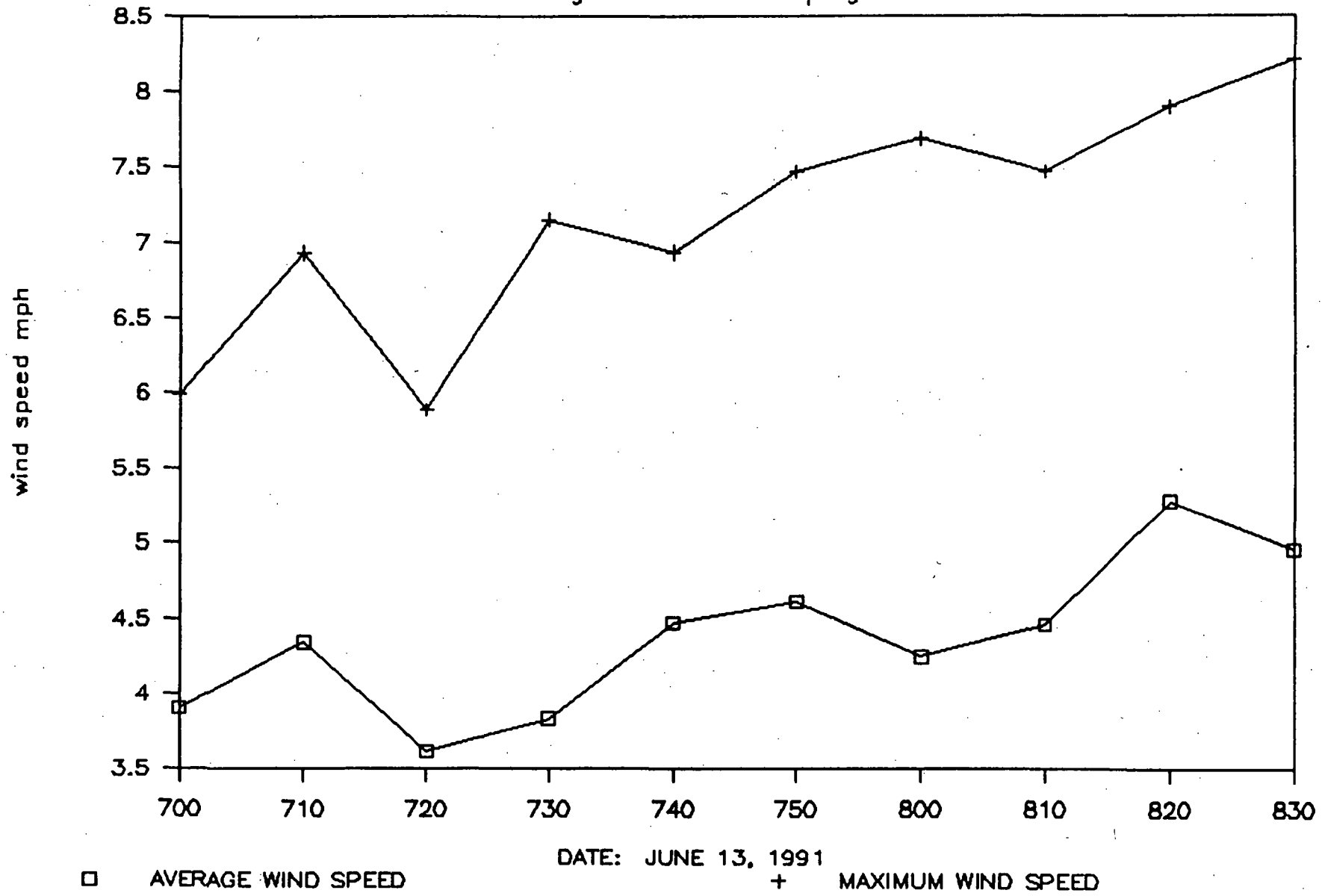
+ MAXIMUM WIND SPEED

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING

DATE		TIME	AVE. WIND SPEED	MAX WIND SPEED
6	13	700	3.904	5.993
6	13	710	4.343	6.939
6	13	720	3.614	5.888
6	13	730	3.828	7.15
6	13	740	4.47	6.939
6	13	750	4.613	7.46
6	13	800	4.244	7.68
6	13	810	4.46	7.46
6	13	820	5.266	7.89
6	13	830	4.949	8.2

meteorological wind data

integrated surface sampling



WIND SPEED AND DIRECTION INFORMATION

FOR THE MONTH OF JULY

METEOROLOGICAL WIND DATA
AMBIENT AIR MONITORING FOR MONTH OF JULY

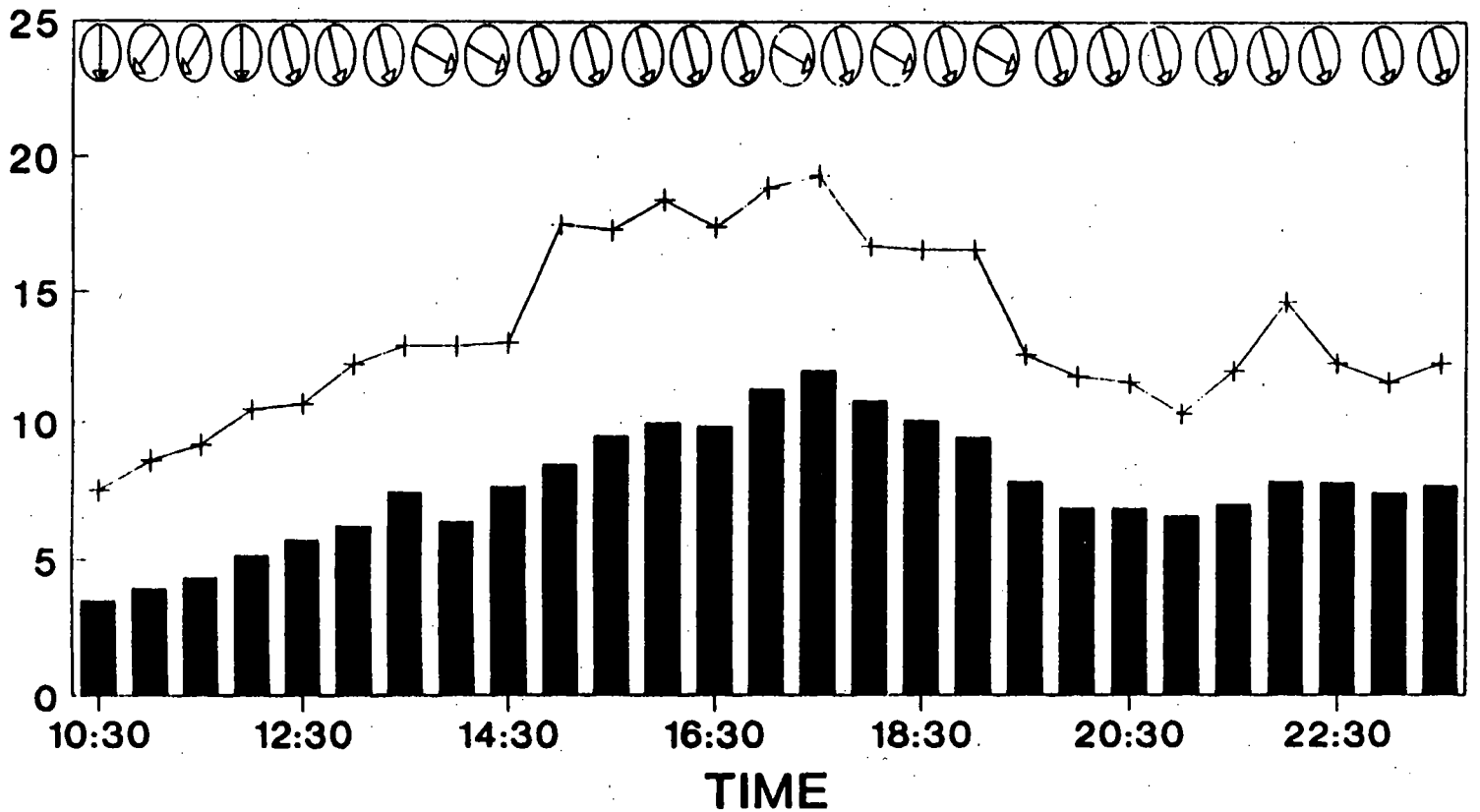
	DATE	TIME	AVE WIND SPEED	WIND DIR	MAX WIND SPEED
7	23	1030	3.548	193.5	7.57
7	23	1100	3.965	234.8	8.62
7	23	1130	4.387	218.5	9.15
7	23	1200	5.161	173.4	10.51
7	23	1230	5.744	170.2	10.72
7	23	1300	6.288	168.1	12.2
7	23	1330	7.56	155.2	12.93
7	23	1400	6.484	155.8	12.93
7	23	1430	7.75	162.2	13.04
7	23	1500	8.55	167	17.56
7	23	1530	9.54	168.8	17.35
7	23	1600	10.02	173.9	18.5
7	23	1630	9.9	160.1	17.45
7	23	1700	11.31	153.7	18.93
7	23	1730	12.02	157.7	19.35
7	23	1800	10.89	166.9	16.72
7	23	1830	10.14	162.2	16.61
7	23	1900	9.49	156.6	16.61
7	23	1930	7.96	174.2	12.62
7	23	2000	6.975	173.8	11.78
7	23	2030	6.973	172.1	11.57
7	23	2100	6.677	168	10.41
7	23	2130	7.15	151	11.99
7	23	2200	8	155.1	14.61
7	23	2230	7.96	153.5	12.3
7	23	2300	7.58	166.5	11.57
7	23	2330	7.83	157.7	12.3
7	24	0	8.29	147.8	12.93
7	24	30	8.06	147.3	12.72
7	24	100	6.499	141.7	10.2
7	24	130	4.76	142.7	7.78
7	24	200	2.774	119.7	4.836
7	24	230	1.778	81.9	4.1
7	24	300	2.624	47.53	5.047
7	24	330	2.597	109.8	4.626
7	24	400	1.61	163.6	6.939
7	24	430	1.124	88.3	3.68
7	24	500	1.671	185.4	3.47
7	24	530	1.564	32.36	3.47

METEOROLOGICAL WIND DATA
AMBIENT AIR MONITORING FOR MONTH OF JULY
CONTINUED

	DATE	TIME	AVE WIND SPEED	WIND DIR	MAX WIND SPEED
7	24	600	2.287	33.18	4.942
7	24	630	1.899	10.91	4.206
7	24	700	2.994	36.55	5.257
7	24	730	2.643	22.67	5.362
7	24	800	2.849	57.28	5.572
7	24	830	2.682	88	5.572
7	24	900	2.938	105.6	8.2
7	24	930	3.324	163.7	7.78
7	24	1000	5.181	170.2	9.15
7	24	1030	5.325	186.2	10.04

MONITORING WIND CONDITIONS

JULY 23, 1991



MEAN WIND SPEEDS

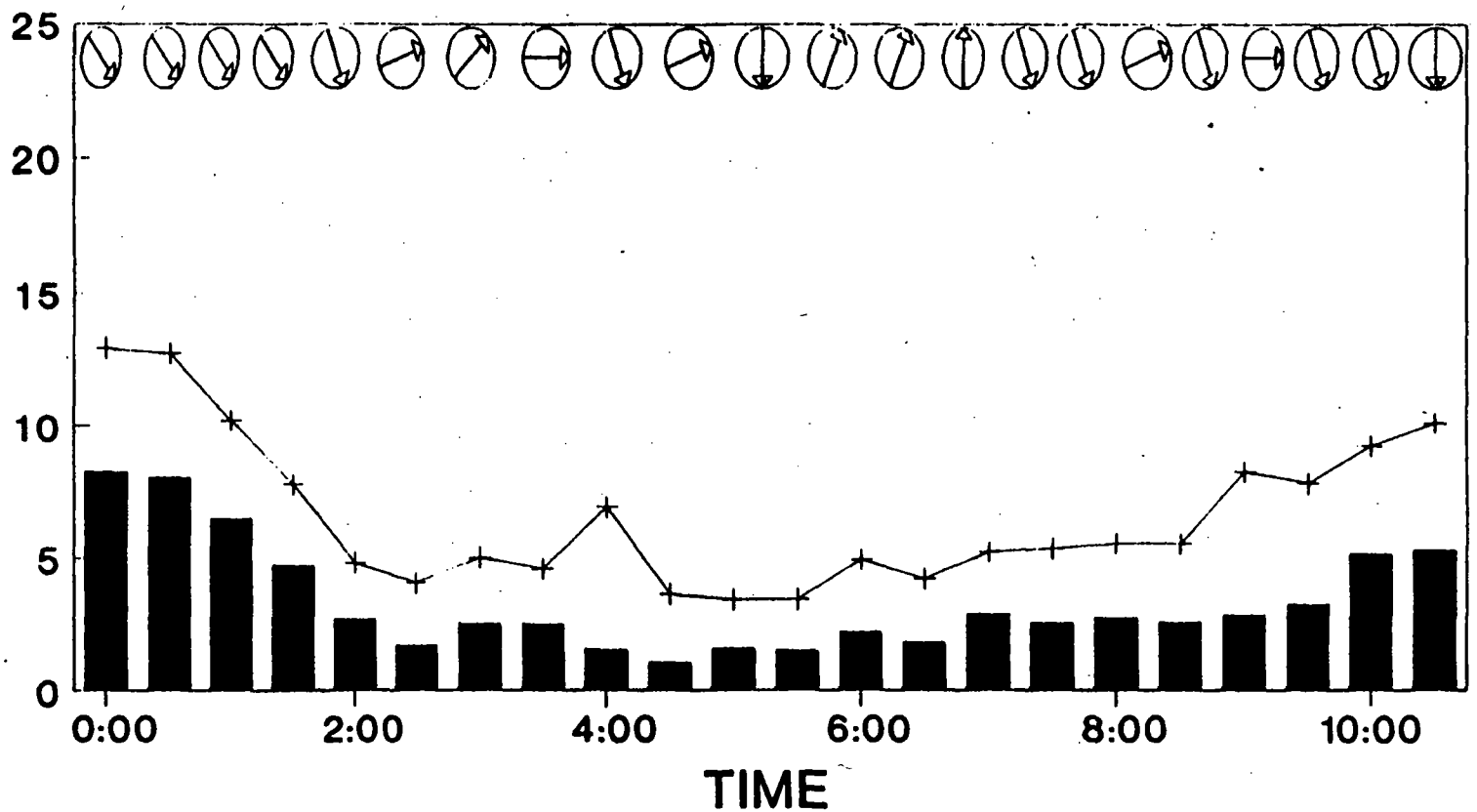
MAX. WIND SPEEDS

wind speed in mph

DUE NORTH

MONITORING WIND CONDITIONS

JULY 24, 1991



MEAN WIND SPEEDS MAX. WIND SPEEDS

wind speed in mph

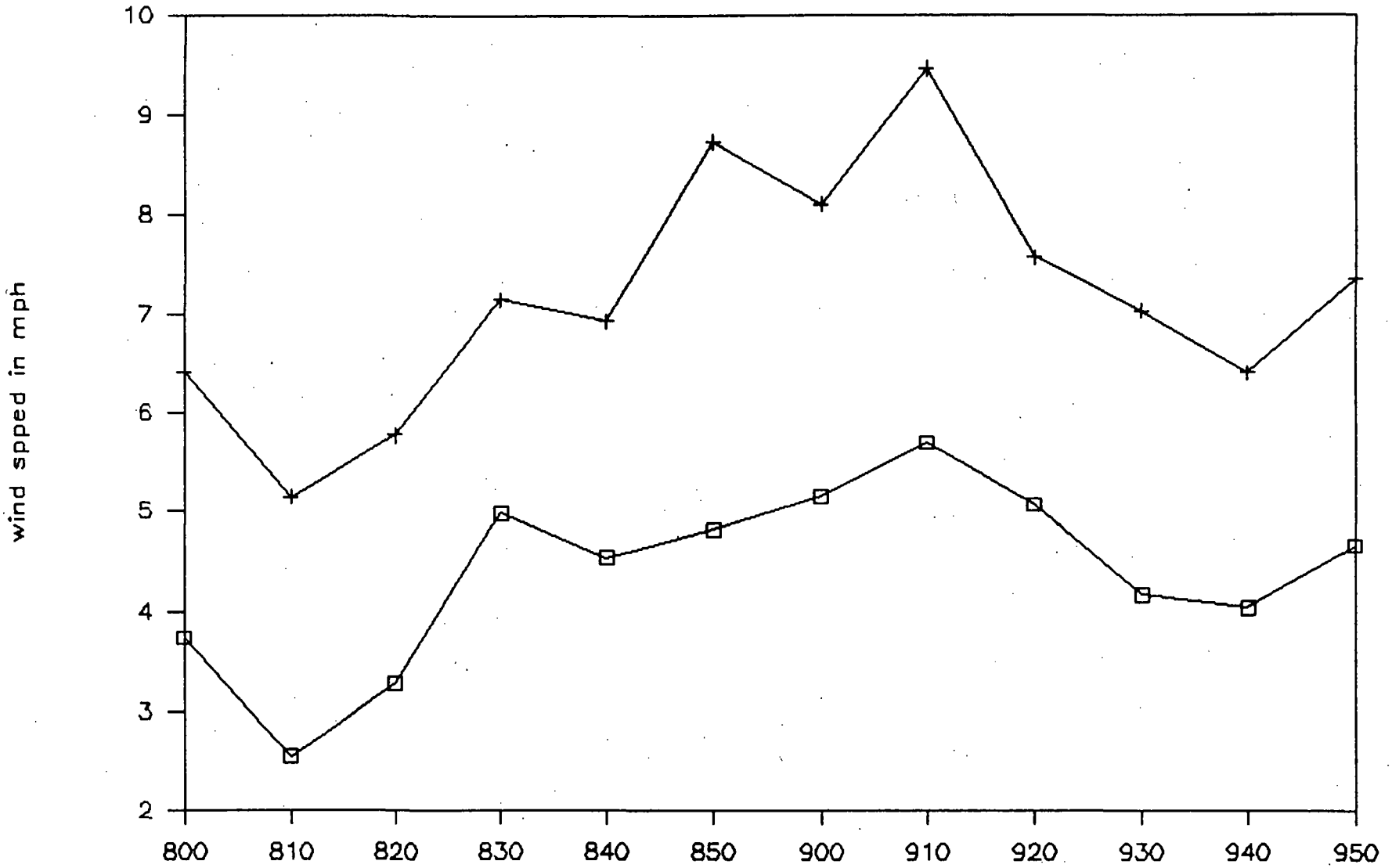
DUE NORTH

METEOROLOGICAL WIND DATA
ISS FOR MONTH OF JULY

	DATE	TIME	AVE WIND SPEED	MAX WIND SPEED
7	25	800	3.733	6.414
7	25	810	2.545	5.152
7	25	820	3.285	5.783
7	25	830	4.991	7.15
7	25	840	4.538	6.939
7	25	850	4.816	8.73
7	25	900	5.161	8.1
7	25	910	5.7	9.46
7	25	920	5.069	7.57
7	25	930	4.161	7.04
7	25	940	4.038	6.414
7	25	950	4.656	7.36

WIND SPEED GRAPH

INTEGRATED SURFACE SAMPLE



DATE: JULY 25, 1991

□ AVE. WIND SPEED

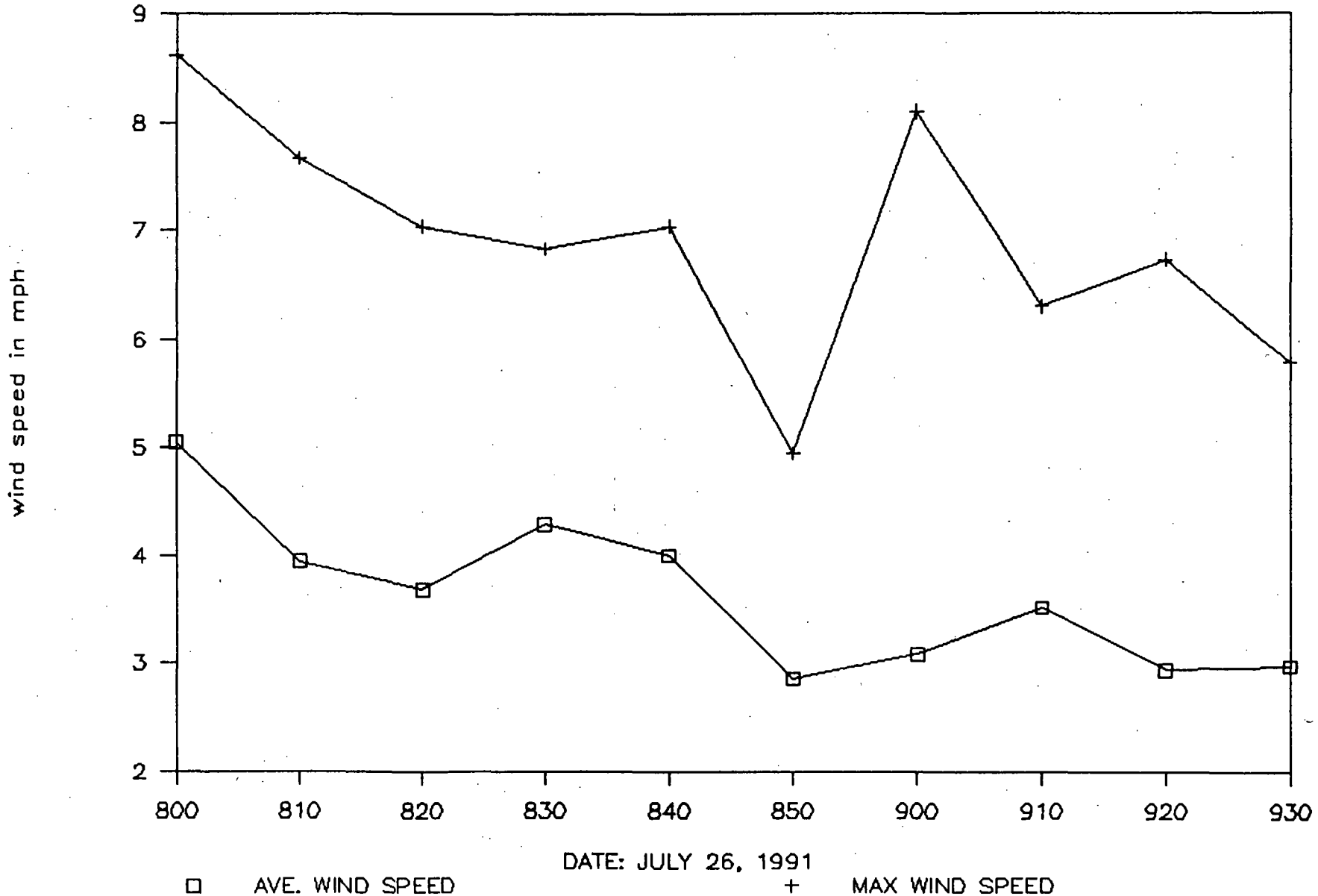
+ MAX. WIND SPEED

METEOROLOGICAL WIND DATA
ISS FOR MONTH OF JULY

	DATE	TIME	AVE WIND SPEED	MAX WIND SPEED
7	26	800	5.041	8.62
7	26	810	3.949	7.68
7	26	820	3.688	7.04
7	26	830	4.294	6.834
7	26	840	4.002	7.04
7	26	850	2.861	4.942
7	26	900	3.086	8.1
7	26	910	3.518	6.308
7	26	920	2.937	6.729
7	26	930	2.967	5.783

WIND SPEED GRAPH

INTEGRATED SURFACE SAMPLE

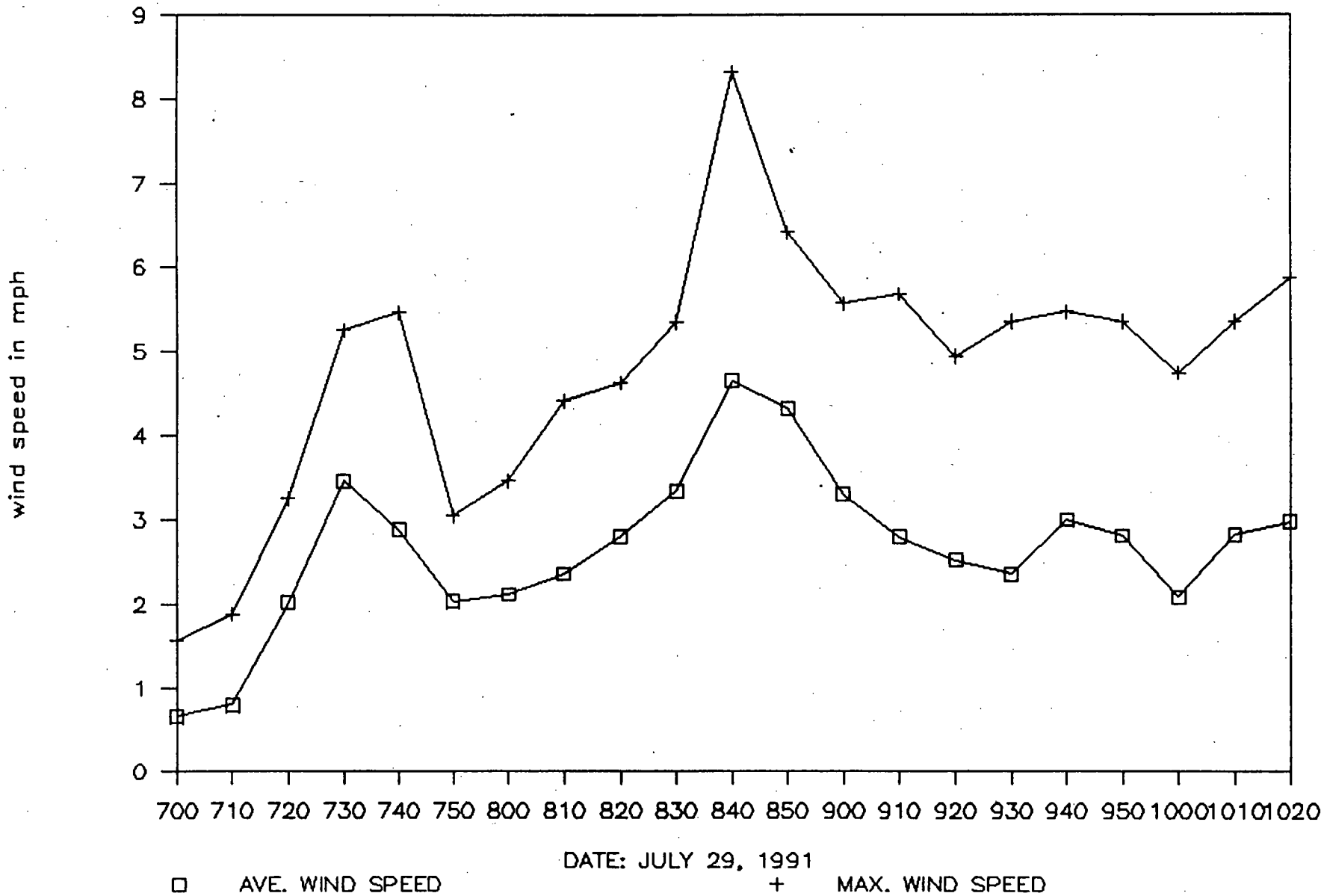


METEOROLOGICAL WIND DATA
ISS FOR MONTH OF JULY

DATE		TIME	AVE WIND SPEED	MAX WIND SPEED
7	29	700	0.665	1.577
7	29	710	0.809	1.893
7	29	720	2.027	3.259
7	29	730	3.466	5.257
7	29	740	2.892	5.467
7	29	750	2.041	3.049
7	29	800	2.125	3.47
7	29	810	2.368	4.416
7	29	820	2.809	4.626
7	29	830	3.345	5.362
7	29	840	4.652	8.31
7	29	850	4.329	6.414
7	29	900	3.306	5.572
7	29	910	2.802	5.678
7	29	920	2.529	4.942
7	29	930	2.361	5.362
7	29	940	3.001	5.467
7	29	950	2.814	5.362
7	29	1000	2.085	4.731
7	29	1010	2.828	5.362
7	29	1020	2.978	5.873

WIND SPEED GRAPH

INTEGRATED SURFACE SAMPLE

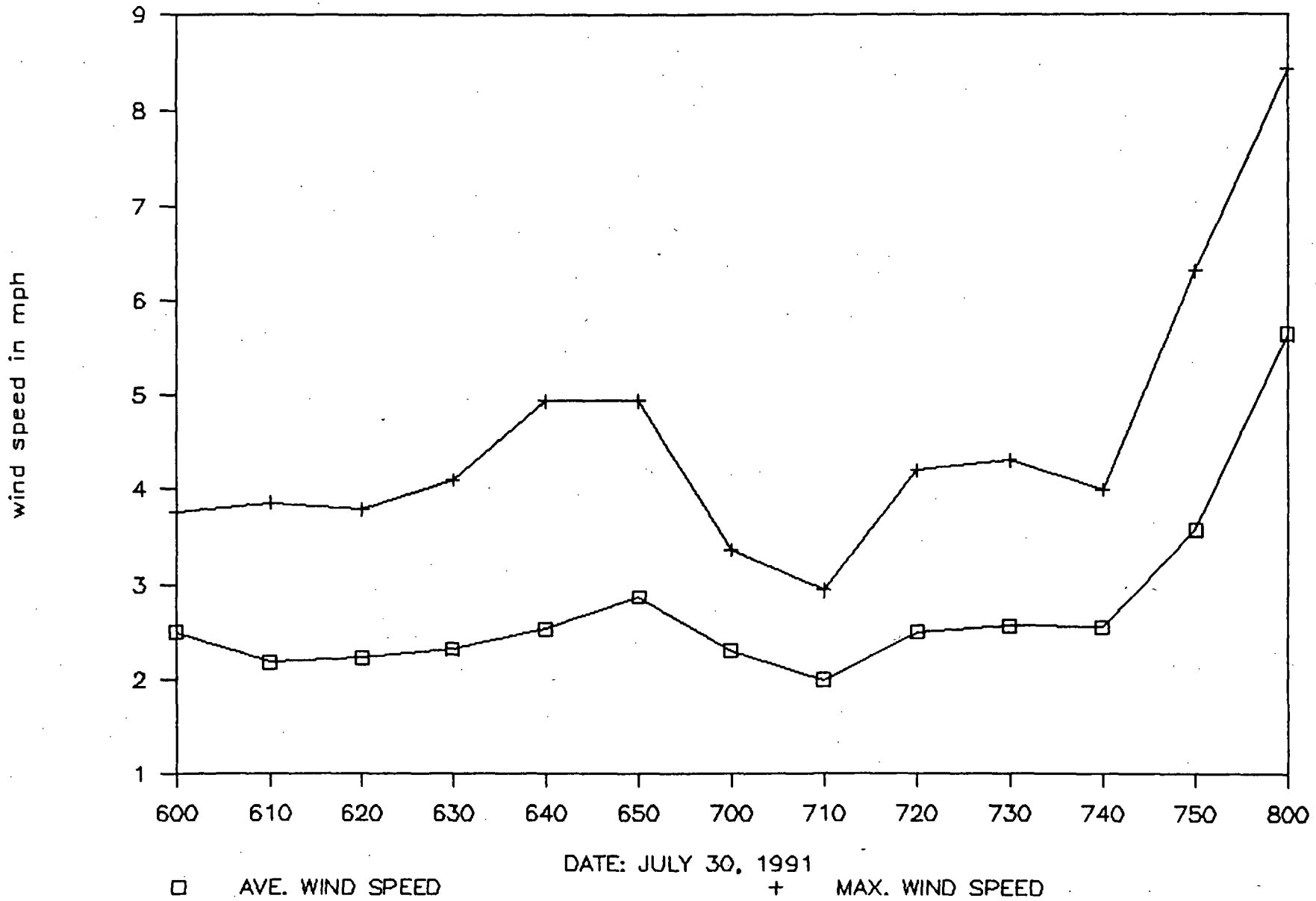


METEOROLOGICAL WIND DATA
ISS FOR MONTH OF JULY

	DATE	TIME	AVE. WIND SPEED	MAX. WIND SPEED
7	30	600	2.497	3.767
7	30	610	2.177	3.86
7	30	620	2.223	3.785
7	30	630	2.32	4.1
7	30	640	2.53	4.942
7	30	650	2.872	4.942
7	30	700	2.294	3.364
7	30	710	1.991	2.944
7	30	720	2.492	4.206
7	30	730	2.56	4.311
7	30	740	2.546	3.995
7	30	750	3.575	6.308
7	30	800	5.636	8.41

WIND SPEED GRAPH

INTEGRATED SURFACE SAMPLE

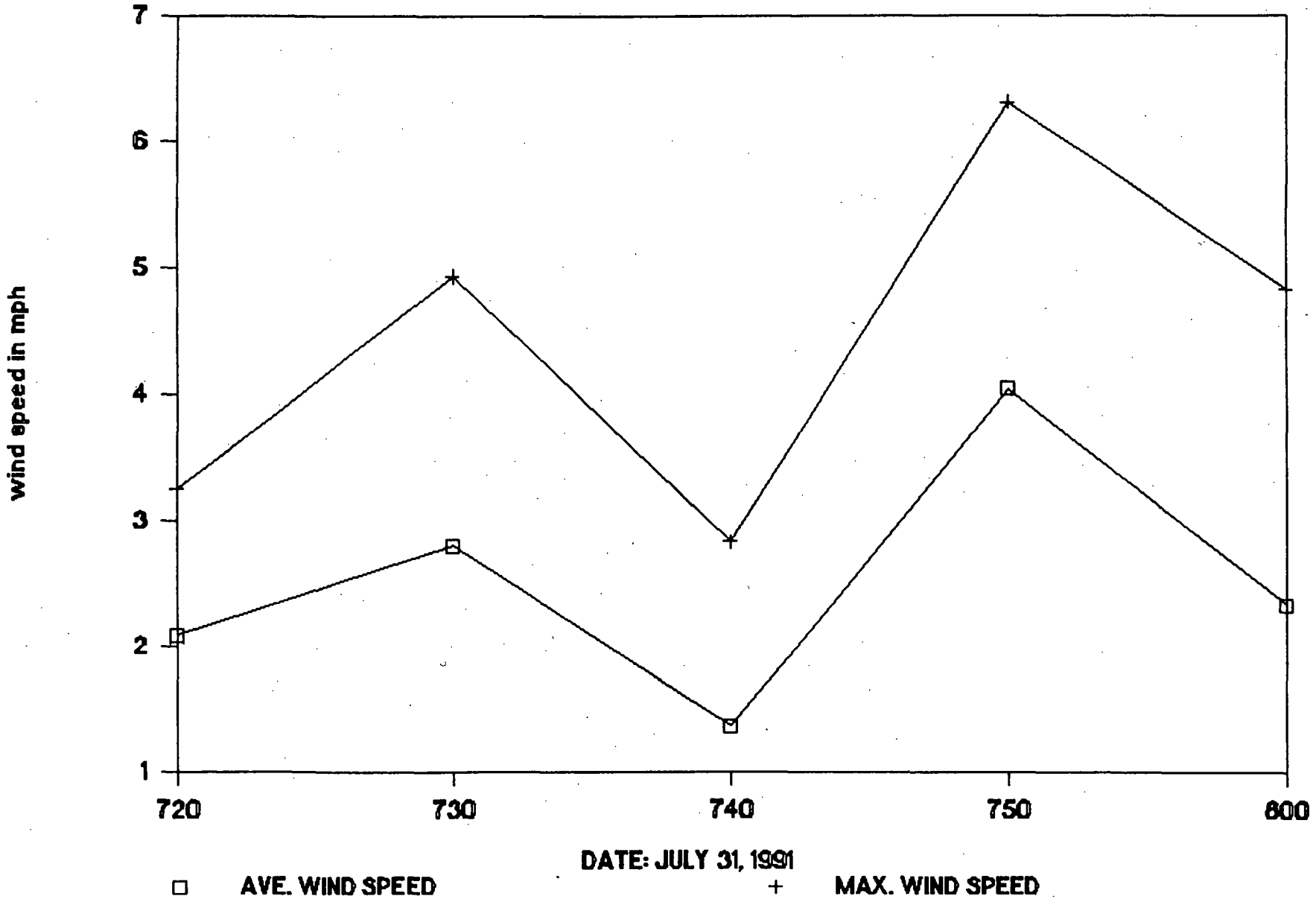


METEOROLOGICAL WIND DATA
ISS FOR MONTH OF JULY

	DATE	TIME	AVE WIND SPEED	AVE WIND SPEED
7	31	720	2.091	3.259
7	31	730	2.802	4.942
7	31	740	1.365	2.839
7	31	750	4.044	6.308
7	31	800	2.332	4.836

WIND SPEED GRAPH

INTEGRATED SURFACE SAMPLE



WIND SPEED AND DIRECTION INFORMATION

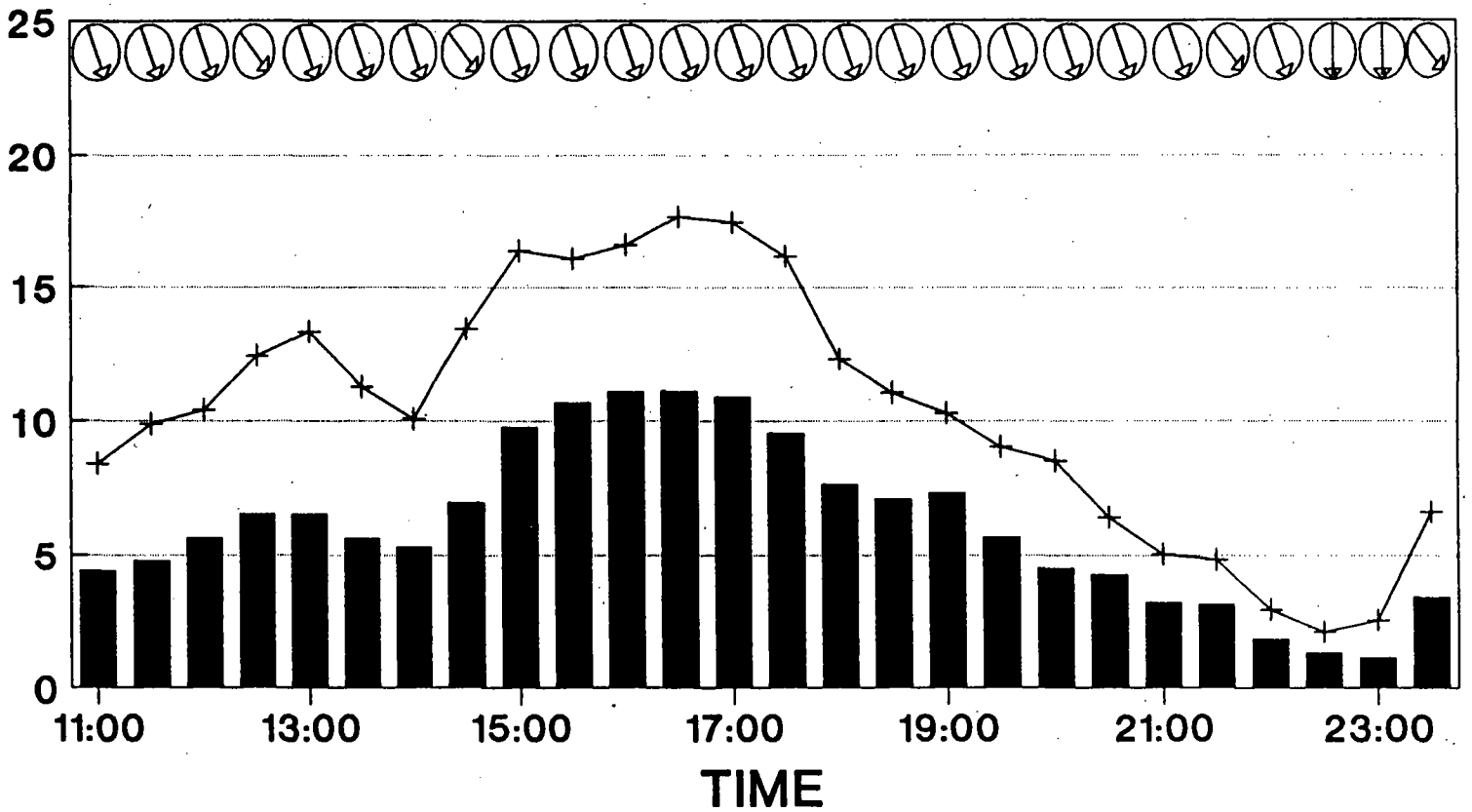
FOR THE MONTH OF AUGUST

METEOROLOGICAL WIND DATA
AMBIENT AIR FOR THE MONTH OF AUGUST

	DATE	TIME	AVE. WIND SPEED	AVE. WIND DIR	MAX. WIND SPEED
8	20	1100	4.402	166.7	8.41
8	20	1130	4.783	173.8	9.88
8	20	1200	5.649	174.4	10.41
8	20	1230	6.541	155.3	12.41
8	20	1300	6.52	162.2	13.35
8	20	1330	5.642	167.1	11.25
8	20	1400	5.309	176.2	10.09
8	20	1430	6.966	155.6	13.46
8	20	1500	9.76	167.2	16.4
8	20	1530	10.67	163.9	16.09
8	20	1600	11.08	171.1	16.61
8	20	1630	11.1	160.2	17.66
8	20	1700	10.89	163	17.45
8	20	1730	9.57	160.5	16.19
8	20	1800	7.64	159	12.3
8	20	1830	7.09	158.3	11.04
8	20	1900	7.33	158.4	10.3
8	20	1930	5.672	164.6	9.04
8	20	2000	4.508	164.5	8.52
8	20	2030	4.265	161.2	6.414
8	20	2100	3.196	157.8	5.047
8	20	2130	3.117	148.8	4.836
8	20	2200	1.842	167.6	2.944
8	20	2230	1.325	190.5	2.103
8	20	2300	1.129	199.6	2.523
8	20	2330	3.417	148.4	6.624
8	21	0	3.576	160.8	6.308
8	21	30	1.83	155	4.206
8	21	100	1.327	171.1	2.418
8	21	130	1.333	147.6	2.418
8	21	200	1.144	8.58	2.523
8	21	230	2.23	18.18	3.259
8	21	300	2.365	16.99	3.364
8	21	330	2.411	14.84	3.154
8	21	400	1.912	12.44	3.259
8	21	430	2.014	24.04	3.049
8	21	500	1.693	10.74	2.523
8	21	530	1.958	17.56	3.154
8	21	600	2.055	10.8	3.68

8	21	630	2.527	8.74	4.416
8	21	700	3.314	7.33	4.836
8	21	730	3.184	2.281	5.362
8	21	800	3.143	341.1	4.626
8	21	830	3.101	291.4	5.257
8	21	900	1.791	286.6	3.47
8	21	930	1.807	229.5	4.731
8	21	1000	3.622	186.2	7.57
8	21	1030	4.93	160.4	8.52
8	21	1100	6.31	160.4	10.72

MONITORING WIND CONDITIONS
AUGUST 20, 1991



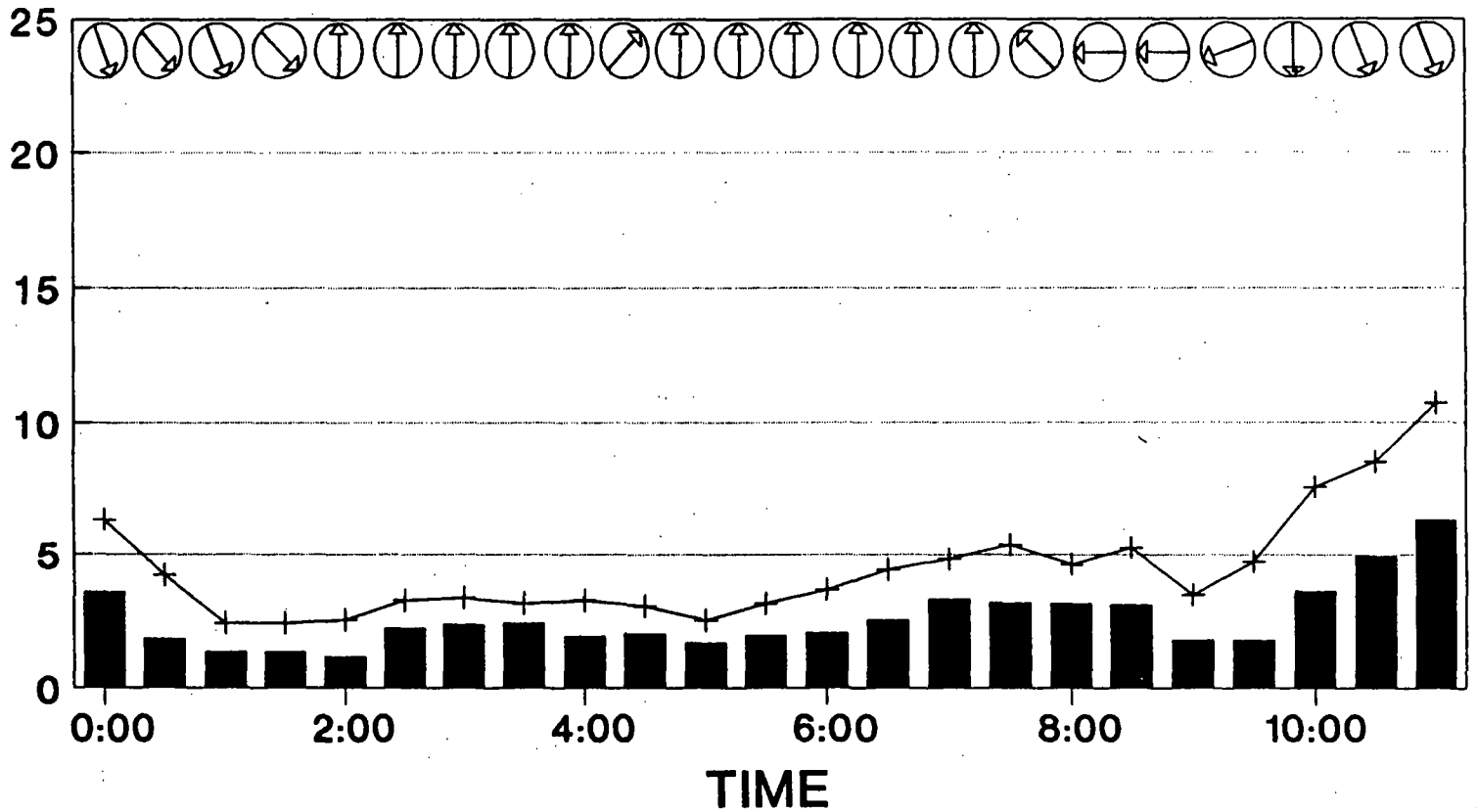
MEAN WIND SPEEDS MAX. WIND SPEEDS

wind speed in mph

DUE NORTH

MONITORING WIND CONDITIONS

AUGUST 21, 1991



MEAN WIND SPEEDS

MAX. WIND SPEEDS

DUE NORTH

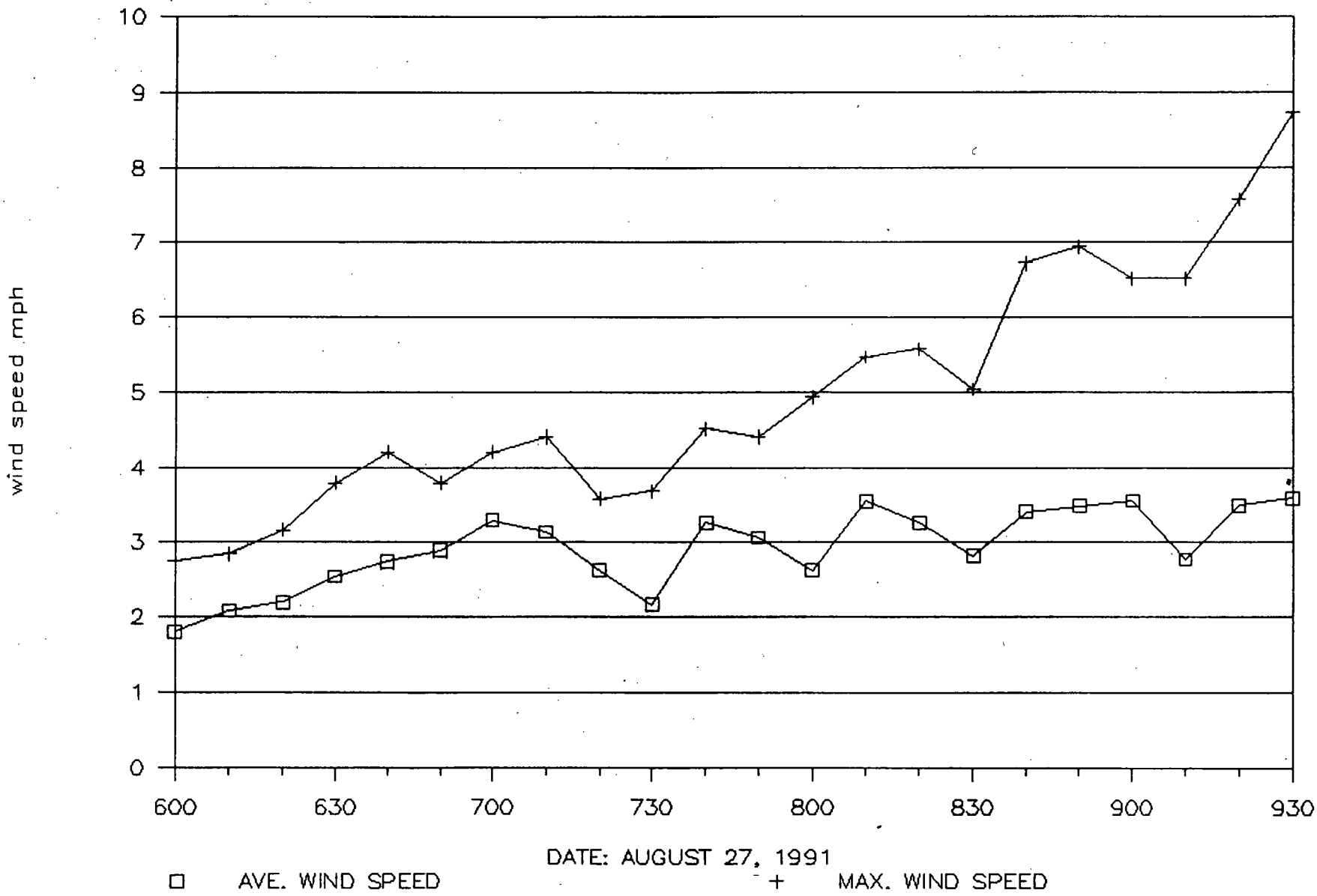
wind speed in mph

METEOROLOGICAL WIND DATA
INTEGRATED SURFACE SAMPLING

DATE		TIME	AVE. WIND SPEED	MAX WIND SPEED
8	27	600	1.799	2.734
8	27	610	2.075	2.839
8	27	620	2.184	3.154
8	27	630	2.536	3.785
8	27	640	2.741	4.206
8	27	650	2.882	3.785
8	27	700	3.287	4.206
8	27	710	3.131	4.416
8	27	720	2.612	3.575
8	27	730	2.159	3.68
8	27	740	3.254	4.521
8	27	750	3.053	4.416
8	27	800	2.612	4.942
8	27	810	3.545	5.467
8	27	820	3.254	5.572
8	27	830	2.809	5.047
8	27	840	3.404	6.729
8	27	850	3.479	6.939
8	27	900	3.55	6.519
8	27	910	2.764	6.519
8	27	920	3.484	7.57
8	27	930	3.584	8.73

METEOROLOGICAL WIND DATA

INTEGRATED SURFACE SAMPLING

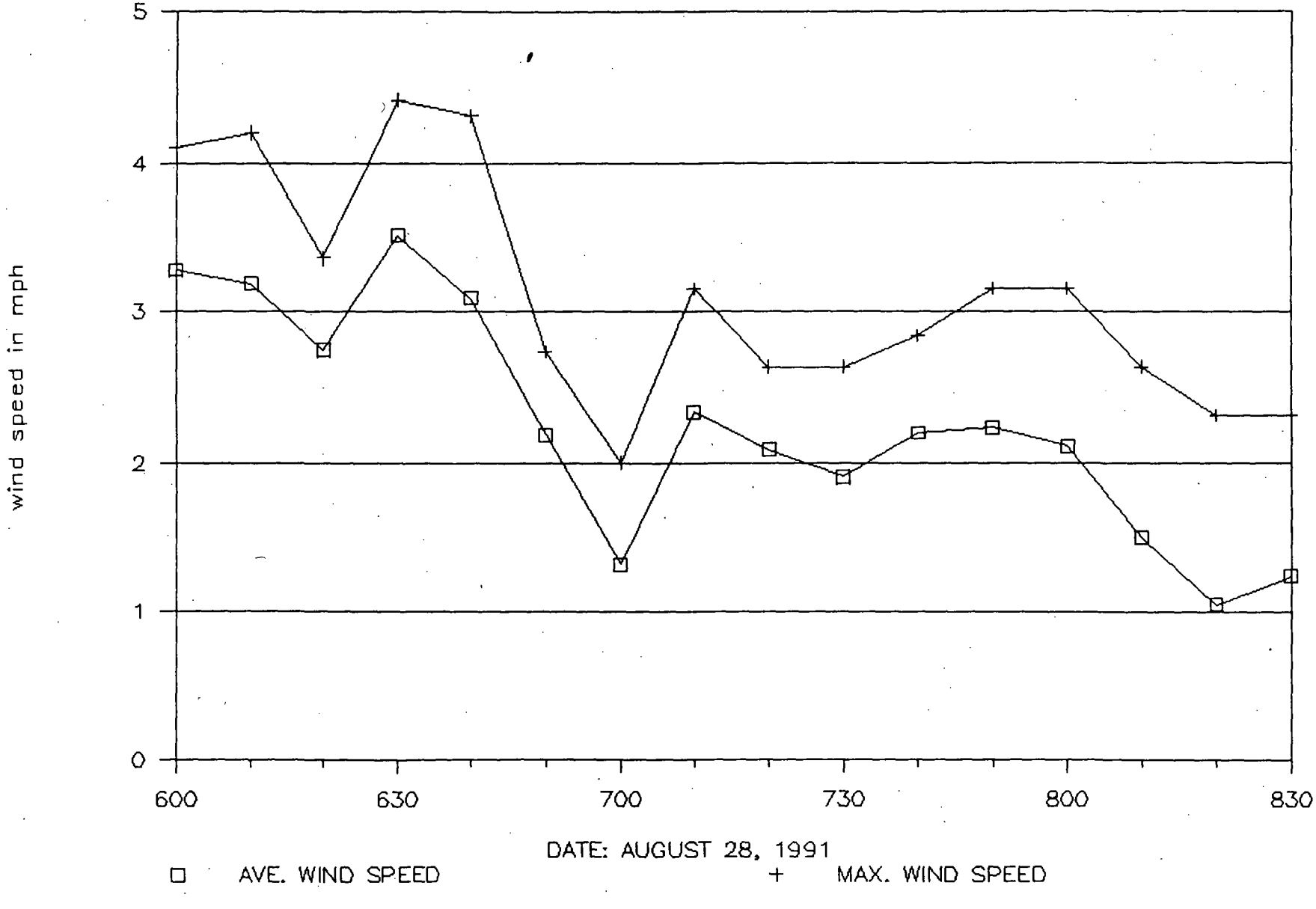


METEOROLOGICAL WIND DATA
INTEGRATED SURFACE SAMPLING

DATE		TIME	AVE. WIND SPEED	MAX. WIND SPEED
8	28	600	3.282	4.1
8	28	610	3.187	4.206
8	28	620	2.745	3.364
8	28	630	3.514	4.416
8	28	640	3.089	4.311
8	28	650	2.185	2.734
8	28	700	1.321	1.998
8	28	710	2.337	3.154
8	28	720	2.085	2.628
8	28	730	1.905	2.628
8	28	740	2.196	2.839
8	28	750	2.233	3.154
8	28	800	2.106	3.154
8	28	810	1.501	2.628
8	28	820	1.049	2.313
8	28	830	1.241	2.313

METEOROLOGICAL WIND DATA

INTEGRATED SURFACE SAMPLING



APPENDIX C

ISS AND AMBIENT AIR SITE PLAN MAPS

INTEGRATED SURFACE SAMPLE SUMMARY

SAMPLE LOCATION	SAMPLE IDENTIFICATION
June	June
Sample I.D. No. VR057	I.S.S. Grid No. 14
Sample I.D. No. VR071	I.S.S. Grid No. 11
July	July
Sample I.D. No. VR051	I.S.S. Grid No. 1
Sample I.D. No. VR044	I.S.S. Grid No. 4
August	August
Sample I.D. No. VR099	I.S.S. Grid No. 14
Sample I.D. No. VR057.5	I.S.S. Grid No. 3

JUNE AMBIENT AIR SAMPLE SUMMARY

Sample Location	Sample Identification
Upwind 24-Hour	Sample I.D. No. VR074
Upwind less than 24-Hour	Sample I.D. No. VR055
Downwind 24-Hour	Sample I.D. No. VR075
Downwind less than 24-Hour	Sample I.D. No. VR073
Duplicate Downwind <24 Hour	Sample I.D. No. VR056

JULY AMBIENT AIR SAMPLE SUMMARY

Sample Location	Sample Identification
Upwind 24-Hour	Sample I.D. No. VR088
Upwind less than 24-Hour	Sample I.D. No. VR085
Downwind 24-Hour	Sample I.D. No. VR084
Downwind less than 24-Hour	Sample I.D. No. VR083
Duplicate Downwind <24 Hour	Sample I.D. No. VR086

AUGUST AMBIENT AIR SAMPLE SUMMARY

Sample Location	Sample Identification
Upwind 24-Hour	Sample I.D. No. VR099
Upwind less than 24-Hour	Sample I.D. No. VR096
Downwind 24-Hour	Sample I.D. No. VR057.5
Downwind less than 24-Hour	Sample I.D. No. VR097
Duplicate Downwind <24 Hour	Sample I.D. No. VR093

ISS AND AMBIENT AIR SITE PLAN

FOR THE MONTH OF JUNE

PARTIALLY SCANNED
OVERSIZE ITEM(S)

See document # 2199226
for partially scanned image(s).

4 OF 12

For complete hardcopy version of the oversize document
contact the Region IX Superfund Records Center at
(415) 536-2000

ISS AND AMBIENT AIR SITE PLAN

FOR THE MONTH OF JULY

PARTIALLY SCANNED
OVERSIZE ITEM(S)

See document # 2199226
for partially scanned image(s).

5 OF 12

For complete hardcopy version of the oversize document
contact the Region IX Superfund Records Center at
(415) 536-2000

ISS AND AMBIENT AIR SITE PLAN

FOR THE MONTH OF AUGUST

PARTIALLY SCANNED OVERSIZE ITEM(S)

See document # 2199226
for partially scanned image(s).
6 OF 12

For complete hardcopy version of the oversize document
contact the Region IX Superfund Records Center at
(415) 536-2000

APPENDIX D

FIELD RECORD LOGS

FIELD AND CALIBRATION DATA LOGS FOR

MONTH OF JUNE

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson/Dragan

site location 234

sample location UW <24hrs

bag number UR055

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/10/91 TIME: 12:00 a.m. PROGRAM STOP: DATE 6/10 TIME: 6/7/91 @

PROGRAM TIMER SETTING: 4:30 ACTUAL TIME: 4:33

ROTOMETER SETTING Start: 100 Stop: 100

FLOW RATE SETTING Start: 28 cc/min Stop: 28 cc/min

BAROMETER Start: 29.91 Stop: 29.87

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson/Dragan

sample location 234 Dur 24hrs

bag number VR075

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/9 TIME: 10:00a.m. PROGRAM STOP: DATE 6/10 TIME: 10:00a.m.

PROGRAM TIMER SETTING: 11:20 ACTUAL TIME: 11:20

ROTOMETER SETTING Start: 30 Stop: 28

FLOW RATE SETTING Start: 6.9 ccm Stop: 6.9

BAROMETER Start: 29.91 Stop: 29.87

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson / Dragan

sample location DW 224 Duplicate

bag number VB056

site location 234

sampler number 9004

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/10/91 TIME: 12:00am PROGRAM STOP: DATE 6/10/91 TIME: 6:00 a.m

6/7@

PROGRAM TIMER SETTING: 4:17 ACTUAL TIME: 4:17

ROTOMETER SETTING Start: 100 Stop: 100

FLOW RATE SETTING Start: 28cu/m Stop: 28cu/m

BAROMETER Start: 29.92 Stop: 29.87

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Dragen/Wilson

site location 234

sample location 24hr Upwind

bag number VR074

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/9 TIME: 10:00 a.m. PROGRAM STOP: DATE 6/10 TIME: 10:00 a.m

PROGRAM TIMER SETTING: 4.10 ACTUAL TIME: 4:10

ROTOMETER SETTING Start: 30 Stop: 28

FLOW RATE SETTING Start: 6.9cc/m Stop:

BAROMETER Start: 29.93 Stop: 29.87

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson/Dragan

site location 234

sample location DW <24hrs

bag number VR073

sampler number 9001

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/10 TIME: 12:00am PROGRAM STOP: DATE 6/10 TIME: 6:00am

PROGRAM TIMER SETTING: 6/7@4:15 ACTUAL TIME: 4:15

ROTOMETER SETTING Start: 100 Stop: 100

FLOW RATE SETTING Start: 28 cu/min Stop: 28 cu/min

BAROMETER Start: 29.92 Stop: 29.87

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAM

site location 234

sample location GRID #1

bag number V8051

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/11 TIME: 7:30 PROGRAM STOP: DATE 6/11 TIME: 7:55

PROGRAM TIMER SETTING: ACTUAL TIME.

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: .36L/min Stop: .36L/min

BAROMETER Start: 29.90 Stop: 29.90

WIND SPEED AVE. < 5

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 1	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAM

site location 234

sample location GRID #2

bag number VR059

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/11 TIME: 8:00 PROGRAM STOP: DATE 6/11 TIME: 8:25

PROGRAM TIMER SETTING: — ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: .36 l/min Stop: .36 l/min

BAROMETER Start: 29.95 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK. OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid2	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAM

sample location GR1D3

bag number VR052

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/12 TIME: 6:25 PROGRAM STOP: DATE 6/12 TIME: 6:50

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: .36L/MN Stop: .36L/MN

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Gnd	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location GR104

bag number VR044

sampler number

SAMPLE TYPE: AMBIENT AIR / (SS) / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6-12 TIME: 6:20 PROGRAM STOP: DATE 6/12 TIME: 6:45

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/min Stop: .36L/min

BAROMETER Start: Stop:

WIND SPEED AVE. 1 mph

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: (OK) LOW TEDLAR BAG VALVE: (OPEN) CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 4	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Drugan

site location 234

sample location Grid-5

bag number VR053

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/12 TIME: 6:55 PROGRAM STOP: DATE 6/12 TIME: 6:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/min Stop: .36L/min

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid-	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 6

bag number VR079

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/12 TIME: 7:00 PROGRAM STOP: DATE 7:25 TIME: 6/12

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/min Stop: .36L/min

BAROMETER Start: 29.94 Stop: 29.94

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 0.5 ppm CH_4

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS: Grid 6 contained 2 gas wells as well as a gas pipe line.

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
GR106	0.5 ppm								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 7

bag number VR070

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/12 TIME: 7:55 PROGRAM STOP: DATE 6/12 TIME: 8:20

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/min Stop: .36L/min

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS: Grid contained 2 gas wells, Bag was half full even though rotor meter was at 20.

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 7	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Dragen

site location 234

sample location GRID8

bag number VR058

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/12 TIME: 7:55 PROGRAM STOP: DATE 6/12 TIME: 8:20

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36 L/min Stop: .36 L/min

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid8	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

sample location Grid 9

bag number UR067

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/12 TIME 8:35 PROGRAM STOP: DATE 6/12 TIME: 9:00

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/mn Stop: .36L/mn

BAROMETER Start: Stop:

WIND SPEED AVE. 2 mph

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS: Gas well to left of grid gave yes. detectable methane odor. Grid 9 contained one gas well.

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 9	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location GRID #10

bag number VR009

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/12/91 TIME: 8:35 PROGRAM STOP: DATE 6/12 TIME: 9:00

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/m Stop: .36L/m

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 0

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 10	0								

Lab

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Dragun

site location 234

sample location Grid 11

bag number VR071

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/12 TIME: 9:15 PROGRAM STOP: DATE 6/12 TIME: 9:40

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/min Stop: .36L/min

BAROMETER Start: 29.94 Stop: 29.94

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 12

bag number VR057.5

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/12 TIME 9:15 PROGRAM STOP: DATE 6/12 TIME: 9:40

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/min Stop: .36L/min

BAROMETER Start: Stop:

WIND SPEED AVE. 22

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN / CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS: Grid 12 contained one gas well

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 13

bag number V8080

sampler number

SAMPLE TYPE: AMBIENT AIR / ~~LSS~~ / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/12 TIME: 10:25 PROGRAM STOP: DATE 6/12 TIME: 10:50

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 19

FLOW RATE SETTING Start: .36 L/min Stop: .36 L/min

BAROMETER Start: 29.94 Stop: 29.94

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 2

BATTERY CHECK: OK LOW TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 13	0.2								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location GRID #14

bag number UR057

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/12 TIME: 10:25 PROGRAM STOP: DATE 6/12 TIME: 11:50

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36 L/min Stop: .36 L/min

BAROMETER Start: 29.94 Stop: 29.54

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 2

BATTERY CHECK: OK LOW TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 14	0.2								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 15

bag number UR2078

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/13 TIME: 7:30 PROGRAM STOP: DATE 6/13 TIME: 7:55

PROGRAM TIMER SETTING: . ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .366 Stop: .366

BAROMETER Start: 29.90 Stop: 29.90

WIND SPEED AVE. <5 mph

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid15	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 16

bag number VEC 77

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/13 TIME: 7.00 PROGRAM STOP: DATE 6/13 TIME: 7.25

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36 L/min Stop: .36 L/min

BAROMETER Start: 29.90 Stop:

WIND SPEED AVE. 25

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 16	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Dragan

site location 234

sample location Grid 17

bag number VRC81

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/13 TIME: 7:00 PROGRAM STOP: DATE 6/13 TIME: 7:25

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36 L/min Stop: .36 L/min

BAROMETER Start: 29.90 Stop: 29.90

WIND SPEED AVE. 25

CONC. METHANE IN TEDLAR BAG 0

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 17	0								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Drugan

site location 234

sample location Grid 18

bag number U2082

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/13 TIME: 7:30 PROGRAM STOP: DATE 6/13 TIME: 7:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36 L/min Stop: .36 L/min

BAROMETER Start: 29.90 Stop:

WIND SPEED AVE. <5

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 18	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN/WILSON

sample location E-8d

bag number VR043

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES / HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/18 TIME: 3:40 PROGRAM STOP: DATE 6/18 TIME: 3:50

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	25	Stop:	25
FLOW RATE SETTING Start:	1L/min	Stop:	1L/min

BAROMETER Start: 29.95 Stop: 29.95

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG - 19

BATTERY CHECK: OK LOW TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
E-8d			19						

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGON/WILSON

site location 234

sample location W-2b

bag number VR041

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES / HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/18 TIME: 4:20 PROGRAM STOP: DATE 6/18 TIME: 4:30

PROGRAM TIMER SETTING: — ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop: 25

FLOW RATE SETTING Start: 1L/min Stop: 1L/min

BAROMETER Start: 29.95 Stop: 29.95

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG ~1.5

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
W-2B			1.5						

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location LANDFILL COLLECTION SYSTEM

bag number VR040

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 6/18 TIME: 4:00 PROGRAM STOP: DATE 6/18 TIME: 4:10

PROGRAM TIMER SETTING: — ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop: 25

FLOW RATE SETTING Start: 1L/min Stop: 1L/min

BAROMETER Start: 29.95 Stop: 29.95

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 40%

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
LFG			40		—				

FIELD AND CALIBRATION DATA LOGS FOR

MONTH OF JULY

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN/COZETTA

sample location D.W. <24 HRS

bag number VR0 86

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ~~IBS~~ / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/24 TIME: ~~10:30~~ 12:00 PROGRAM STOP: DATE 7/24 TIME: 6:00AM

PROGRAM TIMER SETTING: 10:32 ACTUAL TIME: 10:32

ROTOMETER SETTING Start:	100	Stop:	98
FLOW RATE SETTING Start:	28cc/m	Stop:	28cc/min

BAROMETER Start: 30.00 Stop 29.96

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location DW 24hrs colocated

bag number VR083

sampler number 9004

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/23 TIME: 12 a.m PROGRAM STOP: DATE 7/24 TIME: 6a.m.

PROGRAM TIMER SETTING: 9:37 ACTUAL TIME: 9:37

ROTOMETER SETTING Start: 100 Stop: 100

FLOW RATE SETTING Start: 28cc/mn Stop: 28cc/mn

BAROMETER Start: Stop: 29.96

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAH

sample location D.W. 24HRS

bag number VR084

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/22 TIME: 10:30 PROGRAM STOP: DATE 7/24 TIME: 10:30

PROGRAM TIMER SETTING: 10:13 ACTUAL TIME: 10:13

ROTOMETER SETTING Start: 30 Stop: 30

FLOW RATE SETTING Start: 6.9cc/min Stop: 6.9cc/min

BAROMETER Start: 3060 Stop: 2796

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location UW.24 NBS

bag number VR088

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/23 TIME: 10:30 PROGRAM STOP: DATE 7/24 TIME: 10:30

PROGRAM TIMER SETTING: 9:55 ACTUAL TIME: 9:55

ROTOMETER SETTING Start: 30 Stop: 28

FLOW RATE SETTING Start: 6.9 cc/min Stop: 6.9 cc/min

BAROMETER Start: 30.00 Stop: 29.91

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Upwind 224hrs

bag number VRO 85

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/23 TIME: 12 a.m PROGRAM STOP: DATE 7/23 TIME: 6 a.m

PROGRAM TIMER SETTING: 10:06 ACTUAL TIME: 10:07

ROTOMETER SETTING Start: 100 Stop: 100

FLOW RATE SETTING Start: 28cc/m Stop: 28cc/m

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid #1

bag number VR058

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/25 TIME: 8:00 PROGRAM STOP: DATE 7/25 TIME: 8:25

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: .36 L/m Stop: .36 L/m

BAROMETER Start: 29.93 Stop: 29.93

WIND SPEED AVE. - 25

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS: Maintenance work nearby.

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 1									

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid #2

bag number VR082

sampler number

SAMPLE TYPE: AMBIENT AIR / (SS) / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/25 TIME: 8:30 PROGRAM STOP: DATE 9:00 TIME: 7/25

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:	.361	Stop:	.361/min

BAROMETER Start: 29.93 Stop: 29.93

WIND SPEED AVE. LS

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: (OK) LOW | TEDLAR BAG VALVE: (OPEN) CLOSED

LEAK CHECK: (PASS) FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 2									

By wood waste

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid #3

bag number UR078

sampler number

SAMPLE TYPE: AMBIENT AIR / (SS) / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/26 TIME: 9:00 PROGRAM STOP: DATE 7/26 TIME: 9:25

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	.19	Stop:	.19
FLOW RATE SETTING Start:	-361	Stop:	-361

BAROMETER Start: 29.99 Stop: 29.99

WIND SPEED AVE. < 5 mph

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: (OK) LOW | TEDLAR BAG VALVE: (OPEN) CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 4

bag number V12044

sampler number

SAMPLE TYPE: AMBIENT AIR / (SS) / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/26 TIME: 8:20 PROGRAM STOP: DATE 7/26 TIME: 8:45

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:	.361	Stop:	.361

BAROMETER Start: 2999 Stop: 2999

WIND SPEED AVE. <5

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 4	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel C. Wilson

site location 234

sample location Grid 35

bag number VR077

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/29 TIME: 7:03 PROGRAM STOP: DATE 7/29 TIME: 7:28

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	18
FLOW RATE SETTING Start:	.36 L/m	Stop:	.36 L/m

BAROMETER Start: 29.93 Stop: 29.93

WIND SPEED AVE. <5

CONC. METHANE IN TEDLAR BAG ~~CH_4~~ Ø

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 3	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel C. Wilson

site location 234

sample location Grid 6

bag number VR058

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/29 TIME: 7:40 PROGRAM STOP: DATE 7/29 TIME: 8:05

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: .366/m Stop: .366/m

BAROMETER Start: 29.93 Stop: 29.93

WIND SPEED AVE. <5

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 5	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel C. Wilson

site location 234

sample location Grid 87

bag number VRD57.5

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/29 TIME: 8:15 PROGRAM STOP: DATE 7/29 TIME: 8:40

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:	.361	Stop:	.361

BAROMETER Start: 29.93 Stop: 29.93

WIND SPEED AVE. 2.5

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel C. Wilson

sample location Grid 8

bag number UR069

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/29 TIME: 8:45 PROGRAM STOP: DATE 7/29 TIME: 9:10

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: .361 Stop: .361

BAROMETER Start: 29.93 Stop: 29.93

WIND SPEED AVE. 25

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 1	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel C. Wilson

site location 234

sample location Grid 89

bag number UR089

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/29 TIME 9.15 PROGRAM STOP: DATE 7/29 TIME: 9.40

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 20

FLOW RATE SETTING Start: .36 L/m Stop: .36 L/m

BAROMETER Start: 29.93 Stop: 29.93

WIND SPEED AVE. <5

CONC. METHANE IN TEDLAR BAG 0

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 8	0								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 9 10

bag number VR090

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/29 TIME: 9:50 PROGRAM STOP: DATE 7/29 TIME: 10:15

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: .18 Stop: .18

FLOW RATE SETTING Start: .36 l/mn Stop: .36 l/mn

BAROMETER Start: 29.93 Stop: 29.93

WIND SPEED AVE. <5

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 8	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 11

bag number VR092

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/30 TIME: 6:00 PROGRAM STOP: DATE 7/30 TIME: 6:25

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: .36 l Stop: .36 l/m

BAROMETER Start: 29.95 Stop: 29.95

WIND SPEED AVE. 2.5

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Gr 11	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 12

bag number UR081

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/30 TIME: 6:25 PROGRAM STOP: DATE 7/30 TIME: 6:50

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:	.36 l/min	Stop:	.36 l/m

BAROMETER Start: 29.98 Stop: 29.98

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 12	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location 13

bag number VR079

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/30 TIME: ~~7:00~~ 7:00 PROGRAM STOP: DATE 7/30 TIME: 7:35

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	Stop:
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: 29.98 Stop: 29.98

WIND SPEED AVE. 1.5

CONC. METHANE IN TEDLAR BAG 0

BATTERY CHECK:	OK LOW	TEDLAR BAG VALVE:	OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid	12								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel W. Ison

site location 234

sample location Grid 14

bag number V8067

sampler number

SAMPLE TYPE: AMBIENT AIR / (ISS) / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/30 TIME: 7:35 PROGRAM STOP: DATE 7/30 TIME: 8:00

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19	Stop: 19
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: 29.98 Stop: 29.98

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK:	(OK) LOW	TEDLAR BAG VALVE:	(OPEN) CLOSED

LEAK CHECK:	(PASS)	FAIL

OBSERVATIONS:

- For Comments please see calibration OVA field sheet.
- Did detect strong methane odor around grid 14.

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
grid 14	190ppm								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Dragan

site location 234

sample location Grid 15

bag number VR052

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/30 TIME: 7:30 PROGRAM STOP: DATE 7/30 TIME: 8:00

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 18

FLOW RATE SETTING Start: Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid 15	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location L.F.G. COLLECTION SYSTEM

bag number VR079

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/20 TIME: 2:30 PROGRAM STOP: DATE 8/20 TIME: 2:40

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	25	Stop:	25
FLOW RATE SETTING Start:	1L/min	Stop:	1L/min

BAROMETER Start: 30.00 Stop: 30.00

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 44%

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

sample location PROBE E-4 SHALLOW

bag number VRO 69

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES / HEAD SPACE / OVA SWEEP

PROGRAM START: DATE 8/20 TIME: 3:55 PROGRAM STOP: DATE 8/20 TIME: 4:05

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25	Stop:
FLOW RATE SETTING Start: 1L/MIN	Stop:

BAROMETER Start: 30.00 Stop: 30.00

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 16% CH_4

BATTERY CHECK: OK LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 14

bag number VR087

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/3/ TIME: 7:30 PROGRAM STOP: DATE 7/3/ TIME: 7:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:	36 L/m	Stop:	36 L/min

BAROMETER Start: 29.98 Stop: 29.98

WIND SPEED AVE. <5

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
Grid #13	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location W-6 PROBE

bag number VR053

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES / HEAD SPACE / OVA SWEEP

PROGRAM START: DATE 7/7 TIME: 8:00 PROGRAM STOP: DATE TIME:

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25	Stop: 25
FLOW RATE SETTING Start: 1L/min	Stop: 1L/min

BAROMETER Start: 29.93 Stop: 29.93

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Dragan/Wilson

site location 234

sample location E8D

bag number UR05370

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/3/ TIME: 10:23 PROGRAM STOP: DATE 7/3/ TIME: 10:33

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	Stop:
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location COLLECTION SYSTEM

bag number VR059

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/1/9 TIME: 10:00 PROGRAM STOP: DATE 8/1/9 TIME: 10:10

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	25	Stop:	25
FLOW RATE SETTING Start:	1L/min	Stop:	1L/min

BAROMETER Start: 30.02 Stop: 30.02

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

FIELD AND CALIBRATION DATA LOGS FOR

MONTH OF AUGUST

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel E.D.

sample location D.W. <24 HRS

bag number VR097

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/20 TIME: 1200 AM PROGRAM STOP: DATE 8/21 TIME: 600 AM

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 100	Stop:
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: 30.03 Stop: AT 10:00 AM 8/20

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel ED

site location 234

sample location D.W. 24 HRS

bag number VR094

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/20 TIME: 11:00 PROGRAM STOP: DATE 8/21 TIME: 11:00

PROGRAM TIMER SETTING: 10:50 ACTUAL TIME: 10:50

ROTOMETER SETTING Start: 30	Stop: 30
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: 30.03 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location UPWIND 24HR

bag number VR095

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/20 TIME: 11:00 PROGRAM STOP: DATE 8/20 TIME: 11:00

PROGRAM TIMER SETTING: 10:32 ACTUAL TIME: 10:32

ROTOMETER SETTING Start: 30 Stop:

FLOW RATE SETTING Start: Stop:

BAROMETER Start 30.03 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location UPWIND <24 HR

bag number VR096

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/21 TIME: 12AM PROGRAM STOP: DATE 8/21 TIME: 600AM

PROGRAM TIMER SETTING: 2:45 ACTUAL TIME: 2:45

ROTOMETER SETTING Start: 130	Stop: 100
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: 29.97 Stop: TAKEN AT 2:30pm

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK:	OK LOW	TEDLAR BAG VALVE:	OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location D.W. 24 HR

bag number VR097

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/21 TIME: 1200AM PROGRAM STOP: DATE 8/21 TIME: 600AM

PROGRAM TIMER SETTING: 1535 ACTUAL TIME: 1535

ROTOMETER SETTING Start: 100	Stop:
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: 29.97 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: ISS BAG CHECK

OPERATOR: DRAGAN

DATE: 8/28 **Start** 11:00 **Finish** 11:15

Model # CENTURY 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	4 ppm
Leak Test	(Pass)/Fail
Clean System Check (Check Valve Chatter)	(Pass)/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	(Pass)/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
10	10		
95	95		
900	900		

AUDIT

	Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	11:45	10	10	100
		95	95	100
		900	890	98
2.				

Instrument calibrated to CH_4 gas

COMMENTS:

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: ISS CALIBRATION

OPERATOR: DRAGAN

DATE: 8/27 **Start** 10:15 **Finish** 10:30

Model # CENTURY 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	4.2 ppm
Leak Test	(Pass)/Fail
Clean System Check (Check Valve Chatter)	(Pass)/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	(Pass)/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
10	10		
95	95		
900	900		

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 10:55	10	10	100
	95	93	98
	900	895	99
2.			

Instrument calibrated to CH_4 gas

COMMENTS:

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 1

bag number VR092

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/27 TIME: 6:30 PROGRAM STOP: DATE 8/27 TIME: 6:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:		Stop:	

BAROMETER Start: Stop:

WIND SPEED AVE. <5mph

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

sample location GRID 2

bag number V12058

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/27 TIME: 6:30 PROGRAM STOP: DATE 8/27 TIME: 6:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop:

FLOW RATE SETTING Start: Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

sample location GRID 3

bag number UR067

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/27 TIME: 7:00 PROGRAM STOP: DATE 8/27 TIME: 7:25

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop: 25

FLOW RATE SETTING Start: Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 4

bag number VR0G1

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/27 TIME: 7:00 PROGRAM STOP: DATE 8/27 TIME: 7:25

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: Stop:

BAROMETER Start: Stop:

WIND SPEED AVE. <5

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel ~~Wilson~~ Dragan

sample location Grid 5

bag number V12077

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/27 TIME: 7:45 PROGRAM STOP: DATE 8/27 TIME: 8:10

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	17
FLOW RATE SETTING Start:		Stop:	

BAROMETER Start: Stop:

WIND SPEED AVE. < 5 mph

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
5	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 6

bag number VR078

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/27 TIME: 7 45 PROGRAM STOP: DATE 8/27 TIME: 8:10

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	Stop:
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: Stop:

WIND SPEED AVE. <5mph

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location GR1047

bag number V2087

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/13 TIME: 9:15 PROGRAM STOP: DATE 8/23 TIME: 8:40

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:		Stop:	

BAROMETER Start: Stop:

WIND SPEED AVE. 5 mph

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK:	OK / LOW	TEDLAR BAG VALVE:	OPEN / CLOSED

LEAK CHECK: PASS / FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel 234

site location Wilson

sample location Grid 8

bag number UR082

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/27 TIME: 8.15 PROGRAM STOP: DATE 8/27 TIME: 8.40

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: .361 Stop: .361

BAROMETER Start: Stop:

WIND SPEED AVE. 5mph

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
8	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 9

bag number UR098

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/27 TIME: 8:55 PROGRAM STOP: DATE 8/27 TIME: 9:20

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 18

FLOW RATE SETTING Start: .36 Stop:

BAROMETER Start: Stop:

WIND SPEED AVE. <5

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
9	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location GRID 10

bag number VR081

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/28 TIME: 6:30 PROGRAM STOP: DATE 8/28 TIME: 6:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	Stop:
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 10'

bag number UR100

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/28 TIME: 6:30 PROGRAM STOP: DATE 8/28 TIME: 6:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:	.361	Stop:	.36

BAROMETER Start: Stop:

WIND SPEED AVE. <5mph

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

sample location Grid 12

bag number VR090

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/28 TIME: 7:05 PROGRAM STOP: DATE 8/28 TIME: 7:30

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:	.361	Stop:	.361

BAROMETER Start: Stop:

WIND SPEED AVE. <5 mph

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location GRID 13

bag number VR101

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/28 TIME: 7:05 PROGRAM STOP: DATE 8/28 TIME: 7:30

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:	.361	Stop:	.361

BAROMETER Start: Stop:

WIND SPEED AVE. <5 mph

CONC. METHANE IN TEDLAR BAG Ø

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
13	Ø								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

sample location Grid 14

bag number VR0099

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/28 TIME: 7:35 PROGRAM STOP: DATE 8/28 TIME: 8:00

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:	.361	Stop:	.361

BAROMETER Start: Stop:

WIND SPEED AVE. < 5mph

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

sample location GRID 15

bag number VR057.5

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / HSS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 8/29 TIME: 7:35 PROGRAM STOP: DATE 8/29 TIME: 8:00

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	Stop:
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location GAS PROBE-E8deep

bag number VR089

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES / HEAD SPACE / OVA SWEEP

PROGRAM START: DATE 8/20 TIME: 2:00 PROGRAM STOP: DATE TIME:

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25	Stop:
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: 30.00 Stop: 30.00

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS: CH_4 ~

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

APPENDIX E

LABORATORYRESULTS AND QA/QC SUMMARY

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Chloroform	VR044	< 0.08	< 0.08	---	---
Vinyl Chloride	VR044	< 0.1	< 0.1	---	---
m + p-xylenes	VR044	3.00	3.30	3.15	4.8
o-xylene	VR051	2.68	2.35	2.52	6.6

TGNMO is total gaseous non-methane organics measured and reported as ppm methane

* total amount containing meta, para, & ortho isomers

A set of 2 integrated surface samples and one blank sample laboratory numbers 92071-(16-18), was analyzed for 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO). Agreement between duplicate analyses is a measure of precision and is shown above in the column "% Difference from Mean". Duplicate analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 10 duplicate measurements from the sample set of 2 landfill gas and one blank sample is 2.3%.

LABORATORYRESULTS, CHAIN OF CUSTODY FORMS, AND QA/QC SUMMARY FOR THE MONTH OF JUNE

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Ambient Air Samples

Report Date : June 17, 1991
CSA No.: 81481460-01
Site : Bradley Landfill
Date Received : June 10, 1991
Date Analyzed : June 10, & 11, 1991

AtmAA Lab No.:	91611-15	91611-16	91611-17
Sample I.D. No.:	VR073	VR055	VR075
	D.W. <24 hr	U.W. <24 hr	D.W. 24 hr
Component	(Concentration in ppm, v/v)		
Methane	3.86	2.13	2.10
TGNMO	1.97	1.08	3.46
	(Concentration in ppb, v/v)		
Acetonitrile	<0.8	<0.8	<0.8
Benzene	1.64	1.87	2.18
Benzyl chloride	<0.8	<0.8	<0.8
Chlorobenzene	<0.1	<0.1	<0.1
Dichlorobenzenes*	<1.1	<1.1	<1.1
1,1-dichloroethane	<0.4	<0.4	<0.4
1,2-dichloroethane	<0.2	<0.2	<0.2
1,1-dichloroethylene	<0.2	<0.2	<0.2
Dichloromethane	0.43	0.67	0.62
Perchloroethene	0.21	0.18	0.14
Carbon Tetrachloride	0.11	0.11	0.10
Toluene	3.48	3.69	3.57
1,1,1-trichloroethane	2.13	2.32	2.20
Trichloroethene	<0.08	<0.08	0.094
Chloroform	<0.08	<0.08	<0.08
Vinyl chloride	<0.1	<0.1	<0.1
m+p-xylenes	1.65	1.86	1.38
o-xylene	0.95	0.90	0.59

* total amount containing meta, para & ortho isomers

TGNMO is total gaseous non-methane organics reported as ppm methane

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants
Analysis in Ambient Air Samples

Report Date :	June 17, 1991
CSA No.:	81481460-01
Site :	Bradley Landfill
Date Received :	June 10, 1991
Date Analyzed :	June 11, 1991

AtmAA Lab No.:	91611-18	91611-19
Sample I.D. No.:	VR074	VR056
	U.W. 24 hr	D.W. <24 Dup hr

Component	(Concentration in ppm, v/v)	
Methane	3.48	3.63
TGNMO	3.19	3.13
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	2.23	1.73
Benzyl chloride	<0.8	<0.8
Chlorobenzene	<0.1	<0.1
Dichlorobenzenes*	<1.1	<1.1
1,1-dichloroethane	<0.4	<0.4
1,2-dichloroethane	<0.2	<0.2
1,1-dichloroethylene	<0.2	<0.2
Dichloromethane	0.61	0.41
Perchloroethene	0.16	0.12
Carbon Tetrachloride	0.11	0.11
Toluene	4.72	3.58
1,1,1-trichloroethane	2.48	2.06
Trichloroethene	0.15	<0.08
Chloroform	<0.08	<0.08
Vinyl chloride	<0.1	<0.1
m+p-xylenes	1.77	1.76
o-xylene	1.24	0.88

* total amount containing meta, para & ortho isomers

TGNMo is total gaseous non-methane organics reported as ppm methane

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Duplicates Analyses)

P.O. No.: 81481460-01
AtmAA Project No.: 8000
Site: Bradley Landfill

Ambient Air Samples

Date Received: June 10, 1991
Date Analyzed: June 10, & 11, 1991

Component	Sample ID	Duplicates Analyses Run #1	Run #2	Mean Conc.	% Diff. from Mean
		(Concentration in ppm, v/v)			
Methane	VR075	2.11	2.10	2.10	0.24
TGNMO	VR075	3.43	3.48	3.46	0.72
		(Concentration in ppb, v/v)			
Acetonitrile	VR075	<0.8	<0.8	---	---
Benzene	VR055	1.85	1.89	1.87	1.1
Benzyl chloride	VR055	<0.8	<0.8	---	---
Chlorobenzene	VR056	<0.1	<0.1	---	---
Dichlorobenzenes*	VR056	<1.1	<1.1	---	---
1,1-dichloroethane	VR056	<0.4	<0.4	---	---
1,2-dichloroethane	VR056	<0.2	<0.2	---	---
1,1-dichloro-ethylene	VR075	<0.2	<0.2	---	---
Dichloromethane	VR073	0.40	0.46	0.43	0.70
Perchloroethene	VR056	0.11	0.13	0.12	8.3
Carbon Tetrachloride	VR056	0.11	0.11	0.11	0.0

QUALITY ASSURANCE SUMMARY
(Duplicates Analyses)
(continued)

Component	Sample ID	Duplicates Analyses Run #1	Run #2	Mean Conc.	% Diff. from Mean
		(Concentration in ppb, v/v)			
Toluene	VR055	3.74	3.64	3.69	1.4
1,1,1-trichloro-ethane	VR056	2.07	2.05	2.06	0.48
Trichloroethene	VR056	<0.08	<0.08	---	---
Chloroform	VR056	<0.08	<0.08	---	---
Vinyl chloride	VR075	<0.1	<0.1	---	---
m&p-xylene	VR055	1.87	1.85	1.86	0.53
o-xylene	VR055	0.92	0.88	0.90	2.2

A set of 5 ambient air samples, laboratory numbers 91611-(15-19) was analyzed for SCAQMD 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO). Agreement between duplicate analyses is a measure of precision and is shown above in the column "% Difference from Mean". Duplicate analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 10 duplicate measurements from the sample set of 5 ambient air samples is 1.6%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA Environmental Mgmt. Dept.	ATMAA INC	No.

Site/Facility # 234/BRADLEY LANDFILL

~~Site Name~~ 9188 GLENOAKS BLVD SUNVALLEY 91352

Sampler: (Signature)

Bag Identification Number	Date	Time	Type Of Sample	PERMANENT GASES	T.G.N.M.O.	1150.1 TOXIC AR CONT.		ATMAA, INC.						Field Comments	Lab* Comments
VR073	6/10		A.A. D.W. <24HR	X	X	X		91611-	15						D.W. <24hr
VR055	6/10		A.A. U.W. <24HR	X	X	X			-16						U.W. <24HR
VR075	6/10		A.A. D.W. 24HR	X	X	X			-17						D.W. 24HR
VR074	6/10		A.A. U.W. 24HR	X	X	X			-18						U.W. 24HR
VR056	6/10		A.A. D.W. <24HR DUP.	X	X	X			-19						D.W. <24HR DUP

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/10/91	4:11	Karen Porter	6/10/91	4:11
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Integrated Surface Samples

Report Date : June 19, 1991
P.O. No.: 81481460-01
Site : Bradley Landfill
Date Received : June 12, 1991
Date Analyzed : June 13, & 14, 1991

AtmAA Lab No.:	91631-16	91631-17
Sample I.D. No.:	VR057	VR071
	GRID #14	GRID #11
Component	(Concentration in ppm, v/v)	
Methane	2.18	2.14
TGNMO	2.59	2.42
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	3.31	3.36
Benzyl chloride	<0.8	<0.8
Chlorobenzene	<0.1	0.14
Dichlorobenzenes*	<1.1	<1.1
1,1-dichloroethane	<0.4	<0.4
1,2-dichloroethane	<0.2	<0.2
1,1-dichloroethylene	<0.1	<0.1
Dichloromethane	3.25	1.12
Perchloroethene	1.70	0.50
Carbon Tetrachloride	0.14	0.12
Toluene	7.32	6.06
1,1,1-trichloroethane	9.36	6.07
Trichloroethene	0.14	<0.06
Chloroform	<0.08	0.11
Vinyl chloride	<0.1	<0.1
m+p-xylenes	3.14	3.64
o-xylene	1.67	1.68

* total amount containing meta, para & ortho isomers

TGNMO is total gaseous non-methane organics reported as ppm methane

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Duplicates Analyses)

P.O. No.: 81481460-01
AtmAA Project No.: 8000
Site: Bradley Landfill

Integrated Surface Samples

Date Received: June 12, 1991
Date Analyzed: Jun 13, & 14, 1991

Component	Sample ID	Duplicates Analyses Run #1	Run #2	Mean Conc.	% Diff. from Mean
		(Concentration in ppm, v/v)			
Methane	VR057	2.17	2.18	2.18	0.23
TGNMO	VR057	2.76	2.42	2.59	6.6
		(Concentration in ppb, v/v)			
Acetonitrile	VR057	<0.8	<0.8	---	---
	VR071	<0.8	<0.8	---	---
Benzene	VR071	3.51	3.20	3.36	4.6
Benzyl chloride	VR057	<0.8	<0.8	---	---
Chlorobenzene	VR071	0.15	0.13	0.14	7.1
Dichlorobenzenes*	VR057	<1.1	<1.1	---	---
1,1-dichloroethane	VR071	<0.4	<0.4	---	---
1,2-dichloroethane	VR071	<0.2	<0.2	---	---
1,1-dichloro-ethylene	VR071	<0.1	<0.1	---	---
Dichloromethane	VR071	1.11	1.13	1.12	0.89
Perchloroethene	VR057	1.72	1.69	1.70	0.88
Carbon Tetrachloride	VR057	0.14	0.14	0.14	0.0

QUALITY ASSURANCE SUMMARY
(Duplicates Analyses)
(continued)

Component	Sample ID	Duplicates Analyses Run #1	Run #2	Mean Conc.	% Diff. from Mean
		(Concentration in ppb, v/v)			
Toluene	VR071	6.12	6.00	6.06	0.99
1,1,1-trichloro ethane	VR057	9.38	9.35	9.36	0.16
Trichloroethene	VR057	0.14	0.14	0.14	0.0
Chloroform	VR057	<0.08	<0.08	---	---
Vinyl chloride	VR071	<0.1	<0.1	---	---
m&p-xylene	VR071	3.76	3.51	3.64	3.4
o-xylene	VR057	1.71	1.65	1.68	1.8

A set of 2 integrated surface samples, laboratory numbers 91631-(16 & 17) was analyzed for SCAQMD Rule 1150.1 contaminants, methane, and total gaseous non-methane organcis (TGNMO). Agreement between duplicate analyses is a measure of precision and is shown above in the column "% Difference from Mean". Duplicate analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 12 duplicate measurements from the sample set of 2 integrated surface samples is 2.2%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	No.
WMNA Environmental Mgmt. Dept.	ATMAA INC	

Site/Facility # 234/BRADLEY LANDFILL

Site Name

Sampler: (Signature) [signature]

Bag Identification Number	Date	Time	Type Of Sample	PERMANENT GASES	1150.1 TOXICS	T.G.N.M.O.		AtmAH Lab#					Field Comments	Lab* Comments
VR057	6/12/91	10:30	A.A. GRID #14	X	X	X		911031-		16			GRID #14	
VR071	6/12/91	9:15	A.A. GRID #11	X	X	X				-17			GRID #11	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	6/12/91	4:00	Karen Porter	6/12/91	4:10
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Landfill Gas & Probe Samples

Report Date : June 22, 1991
CSA No.: 81481460-01
Site : Bradley Landfill
Date Received : June 18, 1991
Date Analyzed : June 19, & 21, 1991

AtmAA Lab No.:	91691-36	91691-37	91691-38
Sample I.D. No.:	VR040	VR041	VR043
	LFG	Probe W-2b	Probe E-8d
Component	(Concentration in %, v/v)		
Nitrogen	20.7	78.0	57.8
Oxygen	1.34	2.77	6.98
Methane	41.6		17.0
Carbon Dioxide	37.3	19.3	16.6
	(Concentration in ppm, v/v)		
Methane		1500	
TGNMO	9890	46.2	268
	(Concentration in ppb, v/v)		
Acetonitrile	16.0	<0.8	<0.8
Benzene	1930	105	46.8
Benzyl chloride	<20	<20	<20
Chlorobenzene	122	<10	<10
Dichlorobenzenes*	168	13.4	1.16
1,1-dichloroethane	5880	1500	110
1,2-dichloroethane	193	<20	55.0
1,1-dichloroethylene	787	56.0	160
Dichloromethane	7700	<60	<60
Perchloroethene	19000	2380	303
Carbon Tetrachloride	<1	<1	45.1
Toluene	49100	18.2	13.7
1,1,1-trichloroethane	109	513	2.18
Trichloroethene	5890	540	128
Chloroform	2.88	2.32	1.13
Vinyl chloride	5060	80.0	1040
m+p-xylenes	13600	14.4	10.3
o-xylene	4520	9.63	5.23

* total amount containing meta, para & ortho isomers

TGNMO is total gaseous non-methane organics reported as ppm methane

Michael L. Porter
Laboratory Director

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Landfill Gas Sample

Report Date :	June 27, 1991
CSA No.:	81481460-01
Site :	Bradley Landfill
Date Received :	June 18, 1991
Date Analyzed :	June 21, 1991

ANALYSIS DESCRIPTION

Hydrogen sulfide was analyzed by gas chromatography with a Hall electroyltic conductivity detector operated in the oxidative sulfur mode.

AtmAA Lab No.:	91691-36
Sample I.D. No.:	VR040
	LFG

Component	(Concentration in ppm, v/v)	(repeat)
Hydrogen sulfide	38.4	38.1

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Duplicates Analyses)

CSA No.: 81481460-01
AtmAA Project No.: 8000
Site: Bradley Landfill

Landfill Gas & Probe Samples

Date Received: June 18, 1991
Date Analyzed: June 19, & 21, 1991

Component	Sample ID	Duplicates Analyses Run #1	Run #2	Mean Conc.	% Diff. from Mean
		(Concentration in %, v/v)			
Nitrogen	VR043	57.6	58.1	57.8	0.43
Oxygen	VR043	6.91	7.06	6.98	1.1
Methane	VR043	16.9	17.1	17.0	0.59
Carbon Dioxide	VR043	16.7	16.6	16.6	0.30
		(Concentration in ppm, v/v)			
TGNMO	VR043	252	284	268	6.0
		(Concentration in ppb, v/v)			
Acetonitrile	VR040	16.7	15.2	16.0	4.7
Benzene	VR040	1880	1980	1930	2.6
	VR041	107	103	105	1.9
Benzyl chloride	VR041	<20	<20	---	---
Chlorobenzene	VR040	118	125	122	2.9
Dichlorobenzenes*	VR040	157	180	168	6.8
	VR041	13.8	13.0	13.4	3.0
1,1-dichloroethane	VR040	5950	5820	5880	1.1
	VR041	1480	1520	1500	1.3
1,2-dichloroethane	VR041	<20	<20	---	---

QUALITY ASSURANCE SUMMARY
(Duplicates Analyses)
(continued)

Component	Sample ID	Duplicates Analyses Run #1	Run #2	Mean Conc.	% Diff. from Mean
		(Concentration in ppb, v/v)			
1,1-dichloro-ethylene	VR041	56.4	55.6	56.0	0.71
Dichloromethane	VR040	7730	7660	7700	0.45
Perchloroethene	VR043	305	301	303	0.66
Carbon Tetrachloride	No Repeat				
Toluene	VR041	19.3	17.0	18.2	6.3
1,1,1-trichloro-ethane	VR041	509	517	513	0.78
Trichloroethene	VR040	5630	6150	5890	4.4
Chloroform	No Repeat				
Vinyl chloride	VR041	78.0	81.9	80.0	2.4
m&p-xylene	VR040	13200	14000	13600	2.9
o-xylene	VR040	4370	4680	4520	3.4

A set of 3 landfill gas and probe samples, laboratory numbers 91691-(36-38) was analyzed for SCAQMD Rule 1150.1 contaminants, permanent gases, methane, and total gaseous non-methane organics (TGNMO). Agreement between duplicate analyses is a measure of precision and is shown above in the column "% Difference from Mean". Duplicate analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 22 duplicate measurements from the sample set of 3 landfill gas and probe samples is 2.5%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	No.
WMNA Environmental Mgmt. Dept.	ATMAASING	

Site/Facility #: 234/BRADLEY LANDFILL

Site Name

Sampler: (Signature) Ernest Dragon

Bag Identification Number	Date	Time	Type Of Sample	Analyses: PERMANENT GASES	Analyses: 1150.1 TOXICS	Analyses: T.G.N.M.O	Analyses: H_2S		Analyses: ATMAA #		Field Testing		Field Comments	Lab* Comments
VR040	6/18	3:40	LFG.	X	X	X	X		91091	-36			LFG	
VR041	6/18	4:20	PROBE W-26	X	X	X				-37			W-26	
VR043	6/18	4:40	PROBE E-8d	X	X	X				-38			E-8d	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ernest Dragon	6/18/91	5:00	Kathy Bitter	6/18/91	5:05
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

LABORATORYRESULTS, CHAIN OF CUSTODY FORMS, AND QA/QC SUMMARY FOR THE MONTH OF JULY

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants
Analysis in Tedlar Bag Samples

Report Date: July 30, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill

Date Received: July 24, 1991
Date Analyzed: July 25, & 26, 1991

AtmAA Lab No.:	92051-28	92051-29	92051-30	92051-31	92051-32
Sample I. D.	VR085	VR084	VR088	VR083	VR086
	UW, <24hr	DW,24hr	UW, 24hr	DW, <24h	DW, <24hr
Components:	(Concentration in ppm, v/v)				
Methane	1.99	2.03	3.43	4.36	4.61
TGNMO	<1	<1	<1	2.18	<1
	(Concentration in ppb, v/v)				
Acetonitrile	<0.8	<0.8	<0.8	<0.8	<0.8
Benzene	2.30	2.50	2.62	2.21	2.08
Benzylchloride	<0.8	<0.8	<0.8	<0.8	<0.8
Chlorobenzene	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorobenzenes*	<1.1	<1.1	<1.1	<1.1	<1.1
1,1-dichloroethane	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-dichloroethylene	<0.1	<0.1	<0.1	<0.1	<0.1
Dichloromethane	0.48	0.72	0.65	0.48	0.44
Perchloroethene	0.28	0.56	0.50	0.23	0.23
Carbon Tetrachloride	0.082	0.10	0.10	0.11	0.10
Toluene	6.34	5.07	5.43	4.69	4.12
1,1,1-trichloroethane	1.80	3.57	3.97	1.82	1.76
Trichloroethene	<0.06	<0.06	<0.06	<0.06	<0.06
Chloroform	<0.08	<0.08	<0.08	<0.08	<0.08
Vinyl Chloride	<0.1	<0.1	<0.1	<0.1	<0.1
m + p-xylenes	3.88	2.80	3.30	2.93	2.72
o-xylene	1.80	1.70	1.98	1.90	0.87

TGNMO is total gaseous non-mehtane organics measured and reported as ppm methane

* total amount containing meta, para, & ortho isomers

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 81481460-01
AtmAA Lab No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR084	2.06	2.00	2.03	1.5
TGNMO	VR084	< 1	< 1	—	—
		(Concentration in ppb, v/v)			
Acetonitrile	VR083	< 0.8	< 0.8	—	—
Benzene	VR084	2.58	2.42	2.50	3.2
Benzylchloride	VR086	< 0.8	< 0.8	—	—
Chlorobenzene	VR084	< 0.1	< 0.1	—	—
Dichlorobenzenes*	VR086	< 1.1	< 1.1	—	—
1,1-dichloroethane	VR084	< 0.4	< 0.4	—	—
1,2-dichloroethane	VR084	< 0.2	< 0.2	—	—
1,1-dichloroethylene	VR088	< 0.1	< 0.1	—	—
Dichloromethane	VR085	0.49	0.48	0.48	1.0
Perchloroethene	VR086	0.23	0.23	0.23	0.0
Carbon Tetrachloride	VR086	0.10	0.10	0.10	0.0
Toluene	VR084	5.04	5.10	5.07	0.59
1,1,1-trichloroethane	VR086	1.76	1.77	1.76	0.28
Trichloroethene	VR086	< 0.06	< 0.06	—	—

QUALITY ASSURANCE SUMMARY
(Duplicate Analysis)
(continued)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Chloroform	VR086	< 0.08	< 0.08	---	---
Vinyl Chloride	VR088	< 0.1	< 0.1	---	---
m + p-xylenes	VR084	3.03	2.57	2.80	8.2
o-xylene	VR083	1.93	1.86	1.90	1.8

TGNMO is total gaseous non-methane organics measured and reported as ppm methane

* total amount containing meta, para, & ortho isomers

A set of 5 Tedlar bag samples, laboratory numbers 92051-(28-32) was analyzed for 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO). Agreement between duplicate analyses is a measure of precision and is shown above in the column "% Difference from Mean". Duplicate analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 9 duplicate measurements from the sample set of 5 Tedlar bag samples is 1.8%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA Environmental Mgmt. Dept.	ATMAA INC.	No.

Site / Facility# 234 / Bradley Landfill

~~Site Name~~ 9188 Glenoaks Blvd. Sun Valley CA 91350

Sampler: (Signature) Cozetta Wilson

Bag Identification Number	Date	Time	Type Of Sample	Methane	1150.1 Toxic Air Components	TGNMO								Field Comments	Lab* Comments
VR085	7/24		Upwind < 24hrs	X	X	X									UW < 24hrs
VR084	7/24		DW 24hrs	X	X	X									DW 24hrs ~~DW < 24hr~~ aw
VR088	7/24		UW 24hrs	X	X	X									UW 24hrs
VR083	7/24		DW < 24hrs	X	X	X									DW < 24hrs
VR086	7/24		DW < 24hrs Dup	X	X	X									DW 24hrs Dup

ATMAA #

92001-28, 29, 30, 31, 32

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Cozetta Wilson	7/24/9	3:10	Karen Porter	7/24/9	3:10
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

ATMAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Integrated Surface Samples

Report Date: August 2, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill

Date Received: July 26, 1991
Date Analyzed: July 26, 1991

AtmAA Lab No.:	92071-16	92071-17	92071-18
Sample I.D.:	VR051	VR044	VR080
	ISS	ISS	Trip
Componets:	Grid #1	Grid #4	Blk
	(Concentration in ppm v,v)		
Methane	2.03	1.95	<1
TGNMO	1.45	2.7	1.44
	(Concentration in ppb, v/v)		
Acetonitrile	<0.8	<0.8	<0.8
Benzene	2.39	2.46	<0.1
Benzylchloride	<0.8	<0.8	<0.8
Chlorobenzene	<0.1	<0.1	<0.1
Dichlorobenzenes*	<1.1	<1.1	<1.1
1,1-dichloroethane	<0.4	<0.4	<0.4
1,2-dichloroethane	<0.2	<0.2	<0.2
1,1-dichloroethylene	<0.1	<0.1	<0.1
Dichloromethane	0.62	1.10	<0.2
Perchloroethene	0.54	0.44	<0.1
Carbon Tetrachloride	0.10	0.10	<0.06
Toluene	4.55	5.20	0.39
1,1,1-trichloroethane	5.36	3.71	<0.06
Trichloroethene	<0.08	<0.08	<0.08 Typo DL = 0.06
Chloroform	<0.05	<0.05	<0.05
Vinyl Chloride	<0.1	<0.1	<0.1
m + p-xylenes	3.00	3.15	<0.4
o-xylene	2.52	1.61	<0.2

TGNMO is total gaseous non-methane organics measured and reported and measured as ppm methane

* total amount containing meta, para, & ortho isomers

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 81481460-01
AtmAA Lab No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR044	1.94	1.96	1.95	0.51
TGNMO	VR044	2.88	2.53	2.70	6.5
		(Concentration in ppb, v/v)			
Acetonitrile	VR051	<0.8	<0.8	—	—
Benzene	VR051	2.49	2.44	2.46	1.0
Benzylchloride	VR051	<0.8	<0.8	—	—
Chlorobenzene	VR051	<0.1	<0.1	—	—
Dichlorobenzenes*	VR051	<1.1	<1.1	—	—
1,1-dichloroethane	VR051	<0.4	<0.4	—	—
1,2-dichloroethane	VR051	<0.2	<0.2	—	—
1,1-dichloroethylene	VR044	<0.1	<0.1	—	—
Dichloromethane	VR051	0.63	0.62	0.62	0.80
Perchloroethene	VR044	0.44	0.44	0.44	0.0
Carbon Tetrachloride	VR044	0.10	0.10	0.10	0.0
Toluene	VR051	4.47	4.63	4.55	1.8
1,1,1-trichloroethane	VR044	3.68	3.74	3.71	0.81
Trichloroethene	VR044	<0.06	<0.06	—	—

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA Environmental Mgmt. Dept.	ATMAA INC	No.

Site/Facility # 234 / 9188 GLENOAKS BLVD SUN VALLEY CA 91352

Site Name BRADLEY LANDFILL

Sampler: (Signature) C. Wilson

Bag Identification Number	Date	Time	Type Of Sample	METHANE	1150.1 TOXIC AIR COMP.	T.G.N.M.O.			ATMAA #	METHANE P.P.M.			Field Comments	Lab* Comments
VR051	7/25/91	8:30	I.S.S. GRID #1 *(4)	X	X	X			92071-16	Ø				
VR044	7/26/91	8:00	I.S.S. GRID # 4 *(3)	X	X	X			-17	Ø				
VR080	7/26/91	9:00	TRIP BLANK - *(4)		X				-18				FILLED BAG w/ PURE N_2	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Carolyn Wilson	7/26	10:10	Karen Potter	7/26/91	10:10
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time

*Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Probe Samples

Report Date: August 6, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill

Date Received: July 31, 1991
Date Analyzed: August 1, & 2, 1991

AtmAA Lab No.:	92121-37	92121-38
Sample I.D.:	VR070	VR052
	Probe	Probe
	E 8 deep	W-6
Components:	(Concentration in %, v/v)	
Methane	17.2	2.56
	(Concentration in ppm, v/v)	
TGNMO	230	134
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	55.9	44.1
Benzylchloride	<0.8	<0.8
Chlorobenzene	<0.8	<0.8
Dichlorobenzenes*	<1.1	2.6
1,1-dichloroethane	100	402
1,2-dichloroethane	<0.2	<0.2
1,1-dichloroethylene	108	118
Dichloromethane	<0.2	<0.2
Perchloroethane	258	549
Carbon Tetrachloride	1.09	<0.06
Toluene	159	18.9
1,1,1-trichloroethane	4.56	571
Trichloroethene	124	177
Chloroform	1.53	5.70
Vinyl Chloride	606	478
m + p-xylenes	654	37.9
o-xylene	182	25.8

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.
* total amount containing meta, para, and ortho isomers

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 81481460-01
AtmAA Lab No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %, v/v)			
Methane	VR070	17.2	17.2	17.2	0.0
		(Concentration in ppb, v/v)			
TGNMO	VR070	230	230	230	0.0
		(Concentration in ppb, v/v)			
Acetonitrile	VR052	<0.8	<0.8	---	---
Benzene	No Repeat				
Benzylchloride	No Repeat				
Chlorobenzene	No Repeat				
Dichlorobenzenes*	No Repeat				
1,1-dichloroethane	VR070	99.6	101	100	0.70
1,2-dichloroethane	VR070	<0.2	<0.2	---	---
1,1-dichloroethylene	VR070	109	108	108	0.46
Dichloromethane	VR070	<0.2	<0.2	---	---
Perchloroethene	VR070	255	262	258	1.4
Carbon Tetrachloride	VR070	1.04	1.14	1.09	4.6
Toluene	No Repeat				
1,1,1-trichloroethane	VR070	4.31	4.81	4.56	5.5
	VR052	566	576	571	0.88
Trichloroethene	VR052	178	176	177	0.56

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Chloroform	No Repeat				
Vinyl Chloride	VR070	605	607	606	0.16
m + p-xylenes	No Repeat				
o-xylene	No Repeat				

A set of 2 Probe samples, laboratory numbers 92121-(37 & 38) was analyzed for 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 10 repeat measurements from the sample set of 2 Probe samples is 1.4%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA Environmental Mgmt. Dept.	ATMAA INC	No.

Site / Facility#: 2341 BRADLEY LANDFILL

~~Site Name~~: 9188 GLENOAKS BLVD Sun Valley Ca 91352

Sampler: (Signature): Ernest Dragan

Bag Identification Number	Date	Time	Type Of Sample	METHANE	1150.1 TOXIC AIR	T.G.N.M.O.		ATMAA #					Field Comments	Lab* Comments
VR070	7/31/91	9:00	PROBE E-8deep	X	X	X		9212	1-37				3	
VR052	7/31/91	10:00	PROBE-W-6	X	X	X			-38				2	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ernest Dragan	7/31/91	5:45	Karen Kite	7/31/91	5:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants
Analysis in Landfill Gas Sample

Report Date: August 9, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill

Date Received: August 1, 1991
Date Analyzed: August 1, & 2, 1991

AtmAA Lab No.: 92131-6
Sample I.D.: VR-059 LFG

Components:	(Concentration in %, v/v)
Nitrogen	35.4
Oxygen	6.92
Methane	28.9
Carbon Dioxide	27.0
	(Concentration in ppm, v/v)
TGNMO	4000
	(Concentration in ppb, v/v)
Acetonitrile	9.12
Benzene	1340
Benzylchloride	< 10
Chlorobenzene	< 20
Dichlorobenzenes*	226
1,1-dichloroethane	2940
1,2-dichloroethane	180
1,1-dichloroethylene	484
Dichloromethane	4980
Perchloroethene	10900
Carbon Tetrachloride	< 1
Toluene	49800
1,1,1-trichloroethane	135
Trichloroethene	4700
Chloroform	< 2
Vinyl Chloride	3160
m + p-xylenes	15000
o-xylene	4750

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.
* total amount containing meta, para, and ortho isomers

Michael L. Porter
Laboratory Director

ATMAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Landfill Gas Sample

Report Date: August 9, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill

Date Received: August 1, 1991
Date Analyzed: August 1, 1991

ANALYSIS DESCRIPTION

Hydrogen sulfide was analyzed by GC with a Hall electrolytic conductivity detector operated in the oxidative sulfur mode.

AtmAA Lab No.	Sample ID	Hydrogen Sulfide (Concentration in ppm, v/v)	(repeat)
92131-6	VR059	39.2	39.4

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 8148460-01
AtmAA Lab No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %, v/v)			
Nitrogen	VR059	35.5	35.4	35.4	0.14
Oxygen	VR059	6.90	6.93	6.92	0.22
Methane	VR059	28.9	28.9	28.9	0.0
Carbon Dioxide	VR059	27.0	27.0	27.0	0.0
		(Concentration in ppm v,v)			
TGNMO	VR059	4080	3910	4000	2.1
		(Concentration in ppb, v/v)			
Acetonitrile	VR059	8.61	9.63	9.12	5.6
Benzene	VR059	1380	1300	1340	3.0
Benzylchloride	VR059	< 10	< 10	—	—
Chlorobenzene	VR059	< 20	< 20	—	—
Dichlorobenzenes*	VR059	237	215	226	4.9
1,1-dichloroethane	No Repeat				
1,2-dichloroethane	No Repeat				
1,1-dichloroethylene	VR059	489	479	484	1.0
Dichloromethane	VR059	5010	4950	4980	0.60
Perchloroethene	VR059	10300	11500	10900	5.5

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Carbon Tetrachloride	No Repeat				
Toluene	VR059	51000	48700	49800	2.3
1,1,1-trichloroethane	VR059	135	135	135	0.0
Trichloroethene	VR059	4730	4670	4700	0.64
Chloroform	No Repeat				
Vinyl Chloride	VR059	3180	3140	3160	0.63
m + p-xylenes	VR059	15400	14500	15000	3.0
o-xylene	VR059	4900	4600	4750	3.2

One landfill gas sample, laboratory number 92131-6 was analyzed for 1150.1 contaminants permanent gases, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 17 repeat measurements from one landfill gas sample is 1.9%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	No.
WMNA Environmental Mgmt. Dept.	ATMAA INC	

Site / Facility# 234/BRADLEY LANDFILL

Site Name 9188 GLENOAKS BLVD
SUN Valley CA 91352

Sampler: (Signature) Ernest Dragon

Bag Identification Number	Date	Time	Type Of Sample	4 MAJOR GASES	T.G.N.M.O	1150.1 AIR TOXICS	H_2S		ATMAA #				Field Comments	Lab* Comments
VR059	8/1/91	10:30	LANDFILL GAS COLLECTION	X	X	X	X		92131-6				3	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ernest Dragon	8/1/91	12:00	Karen Porter	8/1/91	12:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

LABORATORYRESULTS, CHAIN OF CUSTODY FORMS, AND QA/QC SUMMARY FOR THE MONTH OF AUGUST

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: August 27, 1991
P.O. No.: 818481460-01
Site: Bradley Landfill
Date Received: August 21, 1991
Date Analyzed: August 22, 1991

AtmAA Lab No.:	92331-15	92331-16	92331-17	92331-18	92331-19
Sample I.D.:	VR094	VR097	VR096	VR093	VR095
	A.A. D.W.	A.A. D.W.	A.A. U.W.	A.A. D.W.	A.A. U.W.
	24 hr.	<24 hr.	<24 hr.	<24 hr.	24 hr.
				Duplicate	
Components:	(Concentration in ppm, v/v)				
Methane	2.16	3.01	2.26	3.37	3.07
TGNMO	<0.4	2.93	2.24	2.87	4.17
	(Concentration in ppb, v/v)				
Acetonitrile	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	3.54	6.06	5.08	5.26	5.09
Benzylchloride	<0.8	<0.8	<0.8	<0.8	<0.8
Chlorobenzene	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorobenzenes*	<1.1	<1.1	<1.1	<1.1	<1.1
1,1-dichloroethane	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-dichloroethylene	<0.1	<0.1	<0.1	<0.1	<0.1
Dichloromethane	1.44	0.98	0.88	1.00	1.14
Perchloroethene	0.92	0.57	0.46	0.50	0.74
Carbon Tetrachloride	0.11	0.12	0.12	0.12	0.12
Toluene	7.98	14.2	13.2	12.8	13.6
1,1,1-trichloroethane	7.33	3.85	3.39	3.94	5.39
Trichloroethene	<0.06	<0.06	<0.06	<0.06	<0.06
Chloroform	<0.08	<0.08	<0.08	<0.08	<0.08
Vinyl Chloride	<0.1	<0.1	<0.1	<0.1	<0.1
m + p-xylenes	3.70	8.44	7.39	7.38	6.89
o-xylene	2.30	4.34	3.60	3.77	3.71

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.
* total amount containing meta, para, and ortho isomers

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 81848160-01
AtmAA Lab No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR094	2.14	2.18	2.16	0.92
TGNMO	VR094	1.86	2.22	2.04	8.8
		(Concentration in ppb, v/v)			
Acetonitrile	VR093	<0.5	<0.5	---	---
Benzene	VR094	3.63	3.46	3.54	2.4
Benzylchloride	VR094	<0.8	<0.8	---	---
Chlorobenzene	VR094	<0.1	<0.1	---	---
Dichlorobenzenes*	VR094	<1.1	<1.1	---	---
1,1-dichloroethane	VR094	<0.4	<0.4	---	---
1,2-dichloroethane	VR094	<0.2	<0.2	---	---
1,1-dichloroethylene	VR096	<0.1	<0.1	---	---
Dichloromethane	VR095	1.15	1.12	1.14	1.3
Perchloroethene	VR095	0.74	0.73	0.74	0.68
Carbon Tetrachloride	VR095	0.11	0.12	0.12	4.3
Toluene	VR094	8.11	7.84	7.98	1.7
1,1,1-trichloroethane	VR095	5.36	5.42	5.39	0.56
Trichloroethene	VR095	<0.06	<0.06	---	---

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Chloroform	VR095	< 0.08	< 0.08	---	---
Vinyl Chloride	VR096	< 0.1	< 0.1	---	---
m + p-xylenes	VR094	3.84	3.55	3.70	3.9
o-xylene	VR094	2.44	2.15	2.30	6.3

A set of 5 Tedlar bag samples, laboratory numbers 92331-(15-19) was analyzed for 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 10 duplicate measurements from the sample set of 5 Tedlar bag samples is 3.1%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA **Environmental Mgmt. Dept.**	ATMAA INC	**No.**

Site/Facility # 239/BRADLEY LANDFILL

~~Site Name~~ 9188 GLENOAKS BLVD Sun Valley CA

Sampler: (Signature) Ernest Drager

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxic Air Comp.	T.G.N.M.O	METHANE		ATMAA Lab #					Field Comments	Lab* Comments
VR094	8/20	11:00	A.A.D.W. 24HR	X	X	X		92331-		15			Ø%CH4	
VR097	8/21	600	A.A. D.W. <24HR	X	X	X				-16			0PPMCH4	
VR096	8/21	600	A.A. U.W. <24HR	X	X	X				-17			0PPM CH4	UPWIND
VR093	8/21	600	A.A. D.W <24HR DUPLICATE	X	X	X				-18			0PPM CH4	
VR095	8/20	11:00	A.A. U.W. 24HR	X	X	X				-19			0PPM CH4	

Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
Relinquished by: (*Signature*) Ernest Drager	Date 8/21/91	Time 4:00	Received for Laboratory: (*Signature*) Karen Porter	Date 8/21/91	Time 4:00

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

AtmAA, Inc. 21354 Nordhoff Street, Suite 113 Chatsworth, CA 91311

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: August 27, 1991
P.O. No.: 8148460-01
Site: Bradley Landfill
Date Received: August 20, 1991
Date Analyzed: August 21, 1991

AtmAA Lab No.:	92321-40	92321-41	92321-42
Sample I.D.:	VR069	VR079	VR089
	Probe	L.F.G.	Probe
	East 2-5		East 8D
Components:	(Concentration in %, v/v)		
Nitrogen		15.7	
Oxygen		0.58	
Methane	13.2	43.2	19.5
Carbon Dioxide		40.0	
	(Concentration in ppm, v/v)		
TGNMO	63.2	9160	405
	(Concentration in ppb, v/v)		
Acetonitrile	<0.5	19.1	<0.5
Benzene	63.9	1890	89.1
Benzylchloride	<2.5	<2.5	<2.5
Chlorobenzene	<13	<13	<13
Dichlorobenzenes*	<27	498	<27
1,1-dichloroethene	<62	3240	<62
1,2-dichloroethane	<73	304	<73
1,1-dichloroethylene	<68	320	<68
Dichloromethane	<53	8080	<53
Perchloroethene	90.3	9680	330
Carbon Tetrachloride	<37	<37	<37
Toluene	<19	60400	42.2
1,1,1-trichloroethane	<25	142	<25
Trichloroethene	22.2	3580	130
Chloroform	<35	<35	<35
Vinyl Chloride	9.02	5340	686
m + p-xylenes	17.3	25300	238
o-xylene	<15	9040	70.2

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.
* total amount containing meta, para, and ortho isomers

The reported oxygen concentration includes any argon present in the sample, calibration is based on a standard atmosphere containing 20.95% oxygen and 0.93% argon.

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 8148460-01
AtmAA No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %, v/v)			
Nitrogen	VR079	15.7	15.7	15.7	0.0
Oxygen	VR079	0.58	0.59	0.58	0.85
Methane	VR089	19.4	19.6	19.5	0.51
Carbon Dioxide	No Repeat				
		(Concentration in ppm, v/v)			
TGNMO	VR079	8510	9810	9160	7.1
		(Concentration in ppb, v/v)			
Acetonitrile	VR069	<0.5	<0.5	---	---
Benzene	VR089	88.5	89.7	89.1	0.67
	VR079	1840	1940	1890	2.6
Benzylchloride	VR089	<2.5	<2.5	---	---
	VR079	<2.5	<2.5	---	---
Chlorobenzene	VR089	<13	<13	---	---
	VR079	<13	<13	---	---
Dichlorobenzenes*	VR089	<27	<27	---	---
	VR079	504	493	498	1.1
1,1-dichloroethane	VR089	<62	<62	---	---
	VR079	3140	3350	3240	3.2
1,2-dichloroethane	VR089	<73	<73	---	---
	VR079	290	317	304	4.4
1,1-dichloroethylene	VR089	<68	<68	---	---
	VR079	312	329	320	2.6

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Dichloromethane	VR089	< 53	< 53	---	---
	VR079	7820	8330	8080	3.2
Perchloroethene	VR089	334	327	330	1.1
	VR079	9450	9920	9680	2.4
Carbon Tetrachloride	VR085	< 37	< 37	---	---
	VR079	< 37	< 37	---	---
Toluene	VR089	42.0	42.3	42.2	0.36
	VR079	59000	61700	60400	2.2
1,1,1-trichloroethane	VR089	< 25	< 25	---	---
	VR079	136	147	142	3.9
Trichloroethene	VR089	130	130	130	0.0
	VR079	34700	3680	3580	2.9
Chloroform	VR089	< 35	< 35	---	---
	VR079	< 35	< 35	---	---
Vinyl Chloride	VR079	5420	5270	5340	1.4
m + p-xylenes	VR089	239	236	238	0.63
	VR079	25000	25600	25300	1.2
o-xylene	VR089	70.1	70.4	70.2	0.21
	VR079	8960	9110	9040	0.83

A set of 3 Tedlar bag samples, laboratory numbers 92321-(40-42) was analyzed for 1150.1 contaminants, permanent gases, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance progrm. The average % Difference from Mean for 23 repeat measurements from the sample set of 3 Tedlar bag samples is 1.8%.

LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Tedlar Bag Sample

Report Date: August 27, 1991
P.O. No.: 8148460-01
Site: Bradley Landfill

Date Received: August 20, 1991
Date Analyzed: August 21, 1991

ANALYSIS DESCRIPTION

Hydrogen sulfide was analyzed by GC with a Hall electrolytic conductivity detector operated in the oxidative sulfur mode.

AtmAA Lab No.	Sample ID	Hydrogen Sulfide (Concentration in ppm, v/v)	(repeat)
92321-41	VR079	51.6	52.4

Michael L. Porter
Laboratory Director

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA **Environmental Mgmt. Dept.**	ATMAA INC	**No.**

Site/Facility # 234/BRADLEY LANDFILL

~~Site Name~~ GLENDALE SUN VALLEY 91352

Sampler: (Signature) Ernest Daga

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxic Air Comp.	T.G.N.M.O.	Methane	Permanent Gases	H_2S				ATMAA #	Field Comments	Lab* Comments
VR069	8/20	3:55	PROBE EAST 2-S	X	X	X						92321-40	14% CH_4	
VR079	8/20	2:30	L.F.G.	X	X		X	X				-41	44% CH_4	
VR089	8/20	3:40	PROBE-EAST-8D	X	X	X						-42	24% CH_4	

Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
Ernest Daga	8/20	4:40	Karen Potter	8/20/91	4:40
Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
Relinquished by: (*Signature*)	Date	Time	Received for Laboratory: (*Signature*)	Date	Time

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: September 5, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill

Date Received: August 28, 1991
Date Analyzed: August 28, & 29, 1991

AtmAA Lab No.:	92401-26	92401-27
Sample I.D.:	VR099	VR057.5
	I.S.S.	I.S.S.
	Grid #14	Grid #3
Components:	(Concentration in ppm, v/v)	
Methane	2.21	2.36
TGNMO	1.34	6.52
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	4.07	3.78
Benzylchloride	<0.8	<0.8
Chlorobenzene	<0.1	<0.1
Dichlorobenzenes*	<1.1	<1.1
1,1-dichloroethane	<0.4	0.93
1,2-dichloroethane	<0.2	<0.2
1,1-dichloroethylene	<0.1	<0.1
Dichloromethane	0.63	0.57
Perchloroethene	0.32	16.2
Carbon Tetrachloride	0.12	0.11
Toluene	10.6	7.46
1,1,1-trichloroethane	2.03	4.62
Trichloroethene	<0.06	1.25
Chloroform	<0.08	<0.08
Vinyl Chloride	<0.1	<0.1
m + p-xylenes	5.72	9.32
o-xylene	3.13	3.27

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.
* total amount containing meta, para, and ortho isomers

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 8148460-01
AtmAA No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR057-5	2.39	2.34	2.36	1.0
TGNMO	VR057.5	5.89	7.16	6.52	9.7
		(Concentration in ppb, v/v)			
Acetonitrile	VR057.5	<0.8	<0.8	---	---
Benzene	VR057.5	3.86	3.70	3.78	2.1
Benzylchloride	No Repeat				
Chlorobenzene	VR057.5	<0.1	<0.1	---	---
Dichlorobenzenes*	No Repeat				
1,1-dichloroethane	VR099	<0.4	<0.4	---	---
1,2-dichloroethane	VR099	<0.2	<0.2	---	---
1,1-dichloroethylene	VR099	<0.1	<0.1	---	---
Dichloromethane	VR057.5	0.57	0.57	0.57	0.0
Perchloroethene	VR057.5	16.5	15.8	16.2	2.2
Carbon Tetrachloride	VR057.5	0.11	0.11	0.11	0.0
Toluene	VR057.5	10.8	10.3	10.6	2.4
1,1,1-trichloroethane	VR057.5	4.63	4.61	4.62	0.22
Trichloroethene	VR057.5	1.25	1.25	1.25	0.0

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 8148460-01
AtmAA No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Chloroform	VR057.5	< 0.08	< 0.08	---	---
Vinyl Chloride	VR099	< 0.1	< 0.1	---	---
m + p-xylenes	VR057.5	9.31	9.32	9.32	0.05
o-xylene	VR057.5	3.22	3.32	3.27	1.5

A set of 2 Tedlar bag samples, laboratory numbers 92401-(26 & 27) was analyzed for 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 11 repeat measurements from the sample set of 2 Tedlar bag samples is 1.7%.

CHAIN OF CU[illegible]Y RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA Environmental Mgmt. Dept.	Atman Inc	No.

Site / Facility#
BRADLEY LANDFILL #234

~~Site Name~~ 9188 GLENOAKS BLVD 3rd FLOOR
Sun Valley Ca 91352

Sampler: (Signature) Ernst Drag

Bag Identification Number	Date	Time	Type Of Sample	Analyses: 1150.1 TOXIC AIR COMP	T.G.N.M.O.	METHANE			AtmAA#	Field Testing			Field Comments	Lab* Comments
VR099	8/28	8:00	I.S.S. GRID # 14	X	X	X		9240	1-26					
VR057.5	8/27	7:00	ISS GRID #3	X	X	X			-27					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature) Ernst Drag	Date 8/28/91	Time	Received for Laboratory: (Signature) Karen Porter	Date 8/28/91	Time

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

APPENDIX F

PERIMETER PROBE SITE MAP AND WEEKLY GAS PROBE READINGS

PARTIALLY SCANNED
OVERSIZE ITEM(S)

See document # 2199226
for partially scanned image(s).
7 OF 12

For complete hardcopy version of the oversize document
contact the Region IX Superfund Records Center at
(415) 536-2000

Valley [redacted]lamatio[redacted]
[redacted]227 T[redacted]nga Ave
[redacted]Sun V[redacted], Ca 91[redacted]352
[redacted]818) [redacted]6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Nectronics, PDM 205

BAROMETER (before): 30.05
BAROMETER (after): 30.05

[redacted]Y C. Wilson DATE: 8/29 START TIME: 1:45 FINISH TIME: 3:45

[redacted]	[redacted]	PRE[redacted]	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
		0 [redacted]4								
		+0 [redacted]								
		+ [redacted] 2								
		+ [redacted] 15								
		+ [redacted] 02								
		+ [redacted] 04								
		+0 [redacted] 38								
		+ 0 [redacted] 08								
		+0 [redacted] 07								
		+ 0 [redacted] 05								
		+ 0 [redacted] 5								
		+ 0 [redacted] 06								
		+0 [redacted] 04								
		+ 0 [redacted] 7								
		+0 [redacted] 3								
		+ 0 [redacted] 7								
		+0 [redacted] 3								
		+ 0 [redacted] 5								
		- 0 [redacted] 5								
		+ 0 [redacted] 01								
		+ 0 [redacted] 5								
		+ 0 [redacted] 03								
		+ 0 [redacted] 00								
		+ 0 [redacted] 7								

[redacted]ts:
E = Flo[redacted]ded from sprinkler system.

WEEKLY PERIMETER PROBE READINGS FOR

MONTH OF JUNE

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.97
BAROMETER (after): 29.96

BY: DRAGAN DATE: 6/6/91 START TIME: 1:30 FINISH TIME: 2:45

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+0.03								
W-1M	Ø	+0.03								
W-1D	Ø	+0.12								
W-2A	Ø	+0.03								
W-2B	8	+0.03								
W-3S	Ø	+0.06								
W-3M	Ø	+0.09								
W-3D	Ø	+0.16								
W-4	Ø	+0.04								
W-5S	Ø	+0.08								
W-5M	Ø	+0.03								
W-5D	Ø	+0.04								
W-6	Ø	+0.02								
W-7S	Ø	+0.03								
W-7M	Ø	+0.03								
W-7D	Ø	+0.02								
W-8	Ø	+0.02								
W-9A	Ø	+0.03								
W-9B	5	+0.02								
W-10S	Ø	+0.03								
W-10M	Ø	+0.14								
W-10D	Ø	+0.04								
W-11	Ø	+0.04								
W-12S	Ø	+0.03								
W-12M	Ø	+0.05								
W-12D	Ø	+0.15								
W-13	Ø	+0.03								
W-14S	Ø	+0.00								
W-14M	Ø	+0.01								
W-14D	Ø	+0.07								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.96
BAROMETER (after): 29.95

BY: DRAGAN DATE: 6/6/91 START TIME: 3:00 FINISH TIME: 4:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.04								
E-2S	—	~~+0.~~ BROKEN	—							
E-2M	Ø	+0.05								
E-2D	Ø	+0.13								
E-3	Ø	+0.03								
E-4	11	+0.04								
E-5S	Ø	+0.02								
E-5M	Ø	+0.03								
E-5D	Ø	+0.09								
E-6	Ø	+0.03								
E-7	Ø	+0.01								
E-8S	Ø	-0.02								
E-8M	Ø	-0.03								
E-8D	0.4	+0.14								
E-9	Ø	+0.01								
E-10	Ø	+0.02								
E-11S	Ø	+0.03								
E-11M	Ø	+0.03								
E-11D	Ø	+0.13								
E-12	Ø	0.03								
E-13	Ø	+0.01								
E-14S	Ø	+0.04								
E-14M	Ø	+0.04								
E-14D	Ø	+0.09								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.93
BAROMETER (after): 29.93

BY: CW DATE: 6/14 START TIME: 1:03 FINISH TIME: 1:55

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+0.01								
W-1M	Ø	+0.06								
W-1D	Ø	+0.02								
W-2A	Ø	+0.06								
W-2B	2	+0.05								
W-3S	Ø	+0.03								
W-3M	Ø	+0.0[illegible]								
W-3D	Ø	+0.0[illegible]								
W-4	Ø	+0.0[illegible]								
W-5S	Ø	+0.02								
W-5M	Ø	+0.05								
W-5D	Ø	+0.05								
W-6	Ø	+0.05								
W-7S	Ø	+0.03								
W-7M	Ø	+0.04								
W-7D	Ø	+0.01								
W-8	Ø	+0.01								
W-9A	Ø	-0.01								
W-9B	Ø	-0.01								
W-10S	Ø	+0.02								
W-10M	Ø	+0.06								
W-10D	Ø	+0.04								
W-11	Ø	+0.04								
W-12S	Ø	+0.03								
W-12M	Ø	+0.04								
W-12D	Ø	+0.04								
W-13	Ø	+0.02								
W-14S	Ø	+0.02								
W-14M	Ø	+0.04								
W-14D	Ø	+0.06								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
Bradley EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.93
BAROMETER (after):

BY: CW DATE: 6/14 START TIME: 1 55 FINISH TIME:

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (" wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.01								
E-2S										
E-2M										
E-2D	Ø	+0.09								
E-3	Ø	+0.03								
E-4	9	+0.06								
E-5S	Ø	+0.09								
E-5M	Ø	+0.04								
E-5D	Ø	+0.03								
E-6	Ø	+0.05								
E-7	Ø	+0.04								
E-8S	Ø	~~.003~~								
E-8M	Ø	.005								
E-8D	21	+0.20								
E-9	Ø	+.30								
E-10	Ø	+.03								
E-11S	Ø	+.02								
E-11M	Ø	+.03								
E-11D	Ø	+.08								
E-12	Ø	+.08								
E-13	Ø	+.01								
E-14S	Ø	+.05								
E-14M	Ø	+.01								
E-14D	Ø	+.10								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.95
BAROMETER (after): 29.95

BY: DRAKAN DATE: 6/13/91 START TIME: 2:15 FINISH TIME: 3:10

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.05								
E-2S	BROKEN									
E-2M	Ø	+0.05								
E-2D	Ø	-0.05								
E-3	Ø	-0.03								
E-4	6	-0.01								
E-5S	Ø	+0.02								
E-5M	Ø	+0.03								
E-5D	Ø	+0.05								
E-6	Ø	+0.02								
E-7	Ø	-0.04								
E-8S	Ø	-0.03								
E-8M	Ø	-0.08								
E-8D	19	-0.09								
E-9	Ø	±0.00								
E-10	Ø	-0.02								
E-11S	Ø	-0.03								
E-11M	Ø	-0.03								
E-11D	Ø	-0.16								
E-12	Ø	-0.02								
E-13	Ø	-0.01								
E-14S	Ø	-0.03								
E-14M	Ø	-0.02								
E-14D	Ø	-0.11								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.87
BAROMETER (after): 29.88

BY: C. Wilson DATE: 6/28/91 START TIME: 2:03 FINISH TIME: 3:03

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.03								
E-2S		~~+0.02~~								
9 E-2M	Ø	+0.02								
E-2D	Ø	+0.09								
E-3	Ø	+0.02								
E-4	Ø	+0.02								
E-5S	Ø	+0.08								
E-5M	Ø	+0.07								
E-5D	Ø	+0.07								
E-6	Ø	+0.03								
E-7	Ø	+0.05								
E-8S	Ø	+0.07								
E-8M	Ø	-0.01								
E-8D	Ø	+0.10								
E-9	Ø	0.00								
E-10	Ø	+0.02								
E-11S	Ø	+0.10								
E-11M	Ø	+0.05								
E-11D	Ø	+0.10								
E-12	Ø	+0.07								
E-13	Ø	+0.10								
E-14S	Ø	+0.05								
E-14M	Ø	+0.04								
E-14D	Ø	+0.03								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.87
BAROMETER (after): 29.87

BY: C. Wilson DATE: 6/28/91 START TIME: 12:50 FINISH TIME: 2:03

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+ 0.01								
W-1M	Ø	+ 0.14								
W-1D	Ø	+ 0.05								
W-2A	Ø	+ 0.05								
W-2B	Ø	+ 0.05								
W-3S	Ø	+ 0.04								
W-3M	Ø	+ 0.11								
W-3D	Ø	+ 0.18								
W-4	Ø	+ 0.08								
W-5S	Ø	+ 0.08								
W-5M	Ø	+ 0.06								
W-5D	Ø	+ 0.05								
W-6	Ø	+ 0.01								
W-7S	Ø	+ 0.03								
W-7M	Ø	+ 0.07								
W-7D	Ø	+ 0.09								
W-8	Ø	+ 0.04								
W-9A	Ø	+ 0.02								
W-9B	Ø	+ 0.02								
W-10S	Ø	+ 0.18								
W-10M	Ø	+ 0.03								
W-10D	Ø	+ 0.07								
W-11	Ø	+ 0.03								
W-12S	Ø	+ 0.04								
W-12M	Ø	+ 0.17								
W-12D	Ø	+ 0.01								
W-13	Ø	+ 0.08								
W-14S	Ø	+ 0.00								
W-14M	Ø	+ 0.01								
W-14D	Ø	+ 0.04								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

WEEKLY PERIMETER PROBE READINGS FOR

MONTH OF JULY

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.89
BAROMETER (after): 29.88

BY: DRAGAN DATE: 7/2/91 START TIME: 2:00 FINISH TIME: 3:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.01								
E-2S	BROKEN									
E-2M	Ø	-0.03								
E-2D	Ø	-0.03								
E-3	Ø	-0.03								
E-4	Ø	-0.02								
E-5S	Ø	+0.03								
E-5M	Ø	+0.05								
E-5D	Ø	+0.04								
E-6	Ø	+0.01								
E-7	Ø	-0.01								
E-8S	Ø	-0.02								
E-8M	Ø	-0.04								
E-8D	0.2 [redacted]	± 0.00								
E-9	Ø	+0.01								
E-10	Ø	+0.02								
E-11S	Ø	+0.03								
E-11M	Ø	+0.04								
E-11D	Ø	+0.06								
E-12	Ø	+0.05								
E-13	Ø	+0.01								
E-14S	Ø	+0.03								
E-14M	Ø	+0.04								
E-14D	Ø	+0.06								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.88
BAROMETER (after): 29.87

BY: DRAGAN DATE: 7/2/91 START TIME: 3:15 FINISH TIME: 4:15

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+0.02								
W-1M	Ø	+0.03								
W-1D	Ø	+0.02								
W-2A	Ø	+0.02								
W-2B	Ø	+0.03								
W-3S	Ø	+0.03								
W-3M	Ø	+0.03								
W-3D	Ø	+0.06								
W-4	Ø	+0.04								
W-5S	Ø	+0.02								
W-5M	Ø	+0.04								
W-5D	Ø	+0.03								
W-6	Ø	+0.06								
W-7S	Ø	+0.02								
W-7M	Ø	+0.03								
W-7D	Ø	+0.02								
W-8	Ø	+0.04								
W-9A	Ø	+0.01								
W-9B	Ø	+0.02								
W-10S	Ø	+0.03								
W-10M	Ø	+0.09								
W-10D	Ø	+0.05								
W-11	Ø	+0.04								
W-12S	Ø	+0.01								
W-12M	Ø	+0.03								
W-12D	Ø	+0.09								
W-13	Ø	+0.04								
W-14S	Ø	+0.01								
W-14M	Ø	+0.03								
W-14D	Ø	+0.07								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.97
BAROMETER (after): 29.96

BY: C. Wilson DATE: 4/11 START TIME: ~~12:05~~ 1:04 FINISH TIME: 1:52

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+0.06								
W-1M	Ø	-0.03								
W-1D	Ø	0.00								
W-2A	Ø	+0.13								
W-2B	Ø	-0.06								
W-3S	Ø	-0.01								
W-3M	Ø	-0.02								
W-3D	Ø	-0.06								
W-4	Ø	+0.03								
W-5S	Ø	+0.01								
W-5M	Ø	+0.02								
W-5D	Ø	-0.09								
W-6	Ø	0.00								
W-7S	Ø	-0.04								
W-7M	Ø	-0.01								
W-7D	Ø	-0.15								
W-8	Ø	+0.01								
W-9A	Ø	+0.02								
W-9B	Ø	-0.02								
W-10S	Ø	0.00								
W-10M	Ø	-0.16								
03 W-10D	Ø	-0.03								
W-11	Ø	+0.01								
.00 W-12S	Ø	-0.00								
02 W-12M	Ø	-0.02								
21 W-12D	Ø	-0.21								
W-13	Ø	+0.01								
W-14S	Ø	+0.03								
W-14M	Ø	+0.02								
W-14D	Ø	-0.08								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
Bradley EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.97
BAROMETER (after): 29.96

BY: C. Wilson DATE: 7/11/91 START TIME: 12:05 FINISH TIME: 1:04

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.01								
E-2S	Broken									
E-2M	Ø	-0.02								
E-2D	Ø	-0.07								
E-3	Ø	-0.01								
E-4	Ø	+0.02								
E-5S	Ø	+0.03								
E-5M	Ø	+0.03								
E-5D	Ø	+0.00								
E-6	Ø	+0.01								
E-7	Ø	-0.03								
E-8S	Ø	+0.02								
E-8M	Ø	-0.06								
E-8D	Ø	-0.12								
E-9	Ø	+0.12								
E-10	Ø	+0.00								
E-11S	Ø	+0.02								
E-11M	Ø	+0.04								
E-11D	Ø	+0.02								
E-12	Ø	+0.02								
E-13	Ø	+0.00								
E-14S	Ø	-0.02								
E-14M	Ø	+0.06								
E-14D	Ø	+0.03								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.95
BAROMETER (after): 29.97

BY D. Hanisch DATE: 7/15/91 START TIME: 8:36 FINISH TIME: 11:05

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	-.46								
E-2S	Broken									
E-2M	Ø	+.05								
E-2D	Ø	-.19								
E-3	Ø	-.04								
E-4	Ø	-.03								
E-5S	Ø	+.56								
E-5M	Ø	-.45								
E-5D	Ø	+.02								
E-6	Ø	.00								
E-7	Ø	-.08								
E-8S	Ø	-.01								
E-8M	Ø	-.14								
E-8D	18	-.18								
E-9	Ø	-.01								
E-10	Ø	-.04								
E-11S	Ø	-.05								
E-11M	Ø	-.06								
E-11D	Ø	-.24								
E-12	Ø	-.05								
E-13	Broken									
E-14S	Ø	+.02								
E-14M	Ø	+.02								
E-14D	Ø	-.08								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.96
BAROMETER (after): 29.95

BY: D. Hansen DATE: 7/19/91 START TIME: 13:05 FINISH TIME: 14:25

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (" wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+.02								
W-1M	Ø	+.02								
W-1D	Ø	-.03								
W-2A	Ø	+.02								
W-2B	Ø	+.03								
W-3S	Ø	+.03								
W-3M	Ø	+.03								
W-3D	Ø	+.05								
W-4	Ø	+.03								
W-5S	Ø	+.03								
W-5M	Ø	+.06								
W-5D	Ø	-.00								
W-6	Ø	+.05								
W-7S	Ø	+.02								
W-7M	Ø	+.02								
W-7D	Ø	-.06								
W-8	Ø	+.01								
W-9A	Ø	-.01								
W-9B	Ø	-.04								
W-10S	Ø	+.02								
W-10M	Ø	-.06								
W-10D	Ø	+.03								
W-11	Ø	+.03								
W-12S	Ø	+.01								
W-12M	Ø	+.03								
W-12D	Ø	-.05								
W-13	Ø	+.03								
W-14S	Ø	+.02								
W-14M	Ø	+.04								
W-14D	Ø	+.05								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
~~B. Austin~~
D. Edwards
B. Biskeborn
S. Kilgore
Bradley EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.98
BAROMETER (after): 29.98

BY: DRAGAN DATE: 7/30/91 START TIME: 8:25 FINISH TIME: 9:30

PROBE	CH4%	PRESS	~~[illegible]~~ CH4 PPM	GAS TEMP	PW (" wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	-0.05								
E-2S	BROKEN									
E-2M	Ø	-0.09								
E-2D	Ø	-0.23								
E-3	Ø	-0.07								
E-4	Ø	-0.05								
E-5S	Ø	-0.02								
E-5M	Ø	+0.0								
E-5D	Ø	+0.0								
E-6	Ø	+0.01								
E-7	Ø	+0.01								
E-8S	Ø	-0.07								
E-8M	Ø	-0.17								
E-8D	20	-0.32								
E-9	Ø	-0.01								
E-10	Ø	-0.05								
E-11S	Ø	-0.06								
E-11M	Ø	-0.06								
E-11D	Ø	-0.32								
E-12	Ø	-0.07								
E-13	Ø	+0.01								
E-14S	Ø	+0.0								
E-14M	Ø	-0.03								
E-14D	Ø	-0.20								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
~~B. Austin~~
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.98
BAROMETER (after): 29.98

BY: DRAGAN DATE: 7/30/91 START TIME: 7:00 FINISH TIME: 8:15

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	0	-0.05								
W-1M	0	-0.11								
W-1D	0	-0.25								
W-2A	0	-0.05								
W-2B	0	-0.09								
W-3S	0	-0.09								
W-3M	0	-0.16								
W-3D	0	-0.27								
W-4	0	-0.12								
W-5S	0	-0.04								
W-5M	0	-0.05								
W-5D	0	-0.22								
W-6	0.2	-0.14								
W-7S	0	-0.06								
W-7M	0	-0.22								
W-7D	0.15	-0.40								
W-8	0	-0.06								
W-9A	0	-0.05								
W-9B	0	-0.11								
W-10S	0	-0.03								
W-10M	0	-0.42								
W-10D	0	-0.28								
W-11	0	+0.02								
W-12S	0	+0.02								
W-12M	0	-0.03								
W-12D	0	-0.48								
W-13	0	+0.03								
W-14S	0	+0.01								
W-14M	0	0.0								
W-14D	0	-0.21								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

WEEKLY PERIMETER PROBE READINGS FOR

MONTH OF AUGUST

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
Bradley EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.99
BAROMETER (after): 29.99

BY: C. Wilson DATE: 8/8 START TIME: 8:25 FINISH TIME: 9:21

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.03								
E-2S	Ø	0.00								
E-2M	Ø	-0.04								
E-2D	Ø	-0.11								
E-3	Ø	-0.03								
E-4	Ø	-0.09								
E-5S	Ø	0.00								
E-5M										
E-5D	Ø	-0.01								
E-6	Ø	-0.04								
E-7	Ø	-0.09								
E-8S	Ø	-0.01								
E-8M	Ø	-0.12								
E-8D	Ø	-0.16								
E-9	Ø	-0.01								
E-10	Ø	-0.04								
E-11S	Ø	0.01								
E-11M	Ø	-0.03								
E-11D	Ø	-0.18								
E-12	Ø	-0.07								
E-13	Ø	0.00								
E-14S	Ø	+0.03								
E-14M	Ø	+0.01								
E-14D	Ø	0.00								

Comments:

Probe E5M is broken.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.99
BAROMETER (after): 30.00

BY: C. Wilson DATE: 8/8 START TIME: 9:52 FINISH TIME: 10:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+0.01								
W-1M	Ø	-0.02								
W-1D	Ø	0.00								
W-2A	Ø	+0.03								
W-2B	Ø	-0.01								
W-3S	Ø	-0.02								
W-3M	Ø	-0.03								
W-3D	Ø	0.00								
W-4	Ø	+0.01								
W-5S	Ø	-0.03								
W-5M	Ø	-0.01								
W-5D	Ø	-0.01								
W-6	Ø	+0.01								
W-7S	Ø	-0.01								
W-7M	Ø	-0.02								
W-7D	Ø	-0.07								
W-8	Ø	+0.01								
W-9A	Ø	-0.04								
W-9B	Ø	0.00								
W-10S	Ø	-0.03								
W-10M	Ø	-0.12								
W-10D	Ø	-0.02								
W-11	Ø	+0.02								
W-12S	Ø	-0.11								
W-12M	Ø	-0.01								
W-12D	Ø	-0.17								
W-13	Ø	-0.01								
W-14S	Ø	-0.03								
W-14M	Ø	-0.01								
W-14D	Ø	-0.15								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
Emp Tech

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 30.02
BAROMETER (after): 29.98

BY: D. Hansen DATE: 8/5/91 START TIME: 14:00 FINISH TIME: 16:50

PROBE	CH4%	PRESS	WELL	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+.07								
W-1M	Ø	+.16								
W-1D	Ø	+.37								
W-2A	Ø	+.08								
W-2B	Ø	+.14								
W-3S	Ø	+.09								
W-3M	Ø	+.19								
W-3D	Ø	+.33								
W-4	Ø	+.14								
W-5S	Ø	+.05								
W-5M	Ø	+.16								
W-5D	Ø	+.33								
W-6	Ø	+.16								
W-7S	Ø	+.07								
W-7M	Ø	+.17								
W-7D	Ø	+.35								
W-8	Ø	+.06								
W-9A	Ø	+.06								
W-9B	Ø	+.11								
W-10S	Ø	+.04								
W-10M	Ø	+.37								
W-10D	Ø	+.09								
W-11	Ø	+.02								
W-12S	Ø	+.03								
W-12M	Ø	+.09								
W-12D	Ø	+.48								
W-13	Ø	+.02								
W-14S	Ø	+.01								
W-14M	Ø	+.03								
W-14D	Ø	+.32								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 30.07
BAROMETER (after): 30.05

BY D. Hansen DATE: 8/15/91 START TIME: 11:30 FINISH TIME: 13.00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	-.01								
E-2S	26	+.01	1A	72	-.15	1	.5	22.8	43	[illegible]
E-2M	Ø	-.02	2	72	-.2	.8	.39	16.9	46.7	[illegible]
E-2D	Ø	-.09								
E-3	Ø	.00								
E-4	Ø	+.02								
E-5S	Ø	+.03								
E-5M	Ø	+.07								
E-5D	Ø	+.02								
E-6	Ø	.00								
E-7	Ø	.00								
E-8S	Ø	+.01								
E-8M	Ø	-.01	10	110	-.03	19.2	.76	47.9	32.3	
E-8D	29	-.08	11	110	+.1	8.7	.51	29.8	36.1	
E-9			Plugged Below quick connect							
E-10	Ø	.00								
E-11S	Ø	+.03								
E-11M	Ø	+.04								
E-11D	Ø	-.12								
E-12	Ø	+.07								
E-13		.00	Broken							
E-14S	Ø	.00								
E-14M	Ø	+.03								
E-14D	Ø	-.01								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.97
BAROMETER (after): 29.97

BY: DRAGAN DATE: 8/20/91 START TIME: 2:45 FINISH TIME: 4:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (" wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+0.07								
W-1M	Ø	+0.16								
W-1D	Ø	+0.32								
W-2A	Ø	+0.07								
W-2B	Ø	+0.14								
W-3S	Ø	+0.11								
W-3M	Ø	+0.25								
W-3D	Ø	+0.40								
W-4	Ø	+0.17								
W-5S	Ø	+0.07								
W-5M	Ø	+0.19								
W-5D	Ø	+0.30								
W-6	Ø	+0.20								
W-7S	Ø	+0.09								
W-7M	Ø	+0.21								
W-7D	Ø	+0.34								
W-8	Ø	+0.07								
W-9A	Ø	+0.09								
W-9B	Ø	+0.11								
W-10S	Ø	+0.06								
W-10M	Ø	+0.44								
W-10D	Ø	+0.12								
W-11	Ø	+0.04								
W-12S	Ø	+0.03								
W-12M	Ø	+0.07								
W-12D	Ø	+0.50								
W-13	Ø	+0.05								
W-14S	Ø	+0.01								
W-14M	Ø	+0.04								
W-14D	Ø	+0.16								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
Bradley EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 30.00
BAROMETER (after): 30.00

BY: DRAGAN DATE: 8/20/91 START TIME: 1:00 FINISH TIME: 2:40

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.02								
E-2S	14	+0.04								
E-2M	Ø	+0.02								
E-2D	Ø	+0.16								
E-3	Ø	+0.03								
E-4	Ø	+0.05								
E-5S	Ø	+0.04								
E-5M	Ø	+0.12								
E-5D	Ø	+0.02								
E-6	Ø	+0.02								
E-7	Ø	+0.07								
E-8S	Ø	+0.04								
E-8M	Ø	+0.07								
E-8D	25	+0.20								
E-9	Ø	+0.02								
E-10	NOT TAKEN - ROAD WORK BEING DONE IN AREA									
E-11S										
E-11M										
E-11D										
E-12	Ø	+0.02								
E-13	Ø	+0.03								
E-14S	Ø	+0.01								
E-14M	Ø	+0.05								
E-14D	Ø	+0.23								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 30.05
BAROMETER (after): 30.05

BY C. Wilson DATE: 8/29 START TIME: 1:45 FINISH TIME: 3:45

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	0.02								
E-2S	Ø	+0.4								
E-2M	Ø	+0.2								
E-2D	Ø	+0.15								
E-3	Ø	+0.02								
E-4	Ø	+0.04								
E-5S	Ø	+0.02								
E-5M	Ø	+0.01								
E-5D	Ø	+0.07								
E-6	~~Ø~~	~~+0.05~~								
E-7	~~1~~	~~+0.05~~								
E-8S	Ø	+0.06								
E-8M	Ø	+0.04								
E-8D	Ø	+0.17								
E-9	Ø	+0.23								
E-10	Ø	+0.07								
E-11S	Ø	+0.03								
E-11M	Ø	+0.05								
E-11D	Ø	-0.05								
E-12	Ø	+0.01								
E-13	Ø	+0.05								
E-14S	Ø	+0.03								
E-14M	Ø	+0.00								
E-14D	Ø	+0.17								

Comments:
E-6 Flooded from sprinkler system.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 30.06
BAROMETER (after): ~~30.05~~ 29.99

BY: C. Wilson DATE: 8/29 START TIME: 3:50 FINISH TIME: 4:35

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+0.13								
W-1M	Ø	+0.07								
W-1D	Ø	+0.04								
W-2A	Ø	+0.04								
W-2B	Ø	+0.02								
W-3S	Ø	+0.01								
W-3M	Ø	+0.06								
W-3D	Ø	+0.02								
W-4	Ø	+0.02								
W-5S	Ø	+0.01								
W-5M	Ø	+0.09								
W-5D	Ø	+0.00								
W-6	Ø	+0.10								
W-7S		+0.06								
W-7M	Ø	+0.04								
W-7D	Ø	+0.26								
W-8	Ø	+0.08								
W-9A	Ø	+0.03								
W-9B	Ø	0.00								
W-10S	Ø	+0.07								
W-10M	Ø	+0.02								
W-10D	Ø	+0.02								
W-11	Ø	+0.01								
W-12S	Ø	+0.01								
W-12M	Ø	+0.03								
W-12D	Ø	+0.73								
W-13	Ø	+0.04								
W-14S	Ø	0.08								
W-14M	Ø	+0.14								
W-14D	Ø	+0.05								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

2166-05417

LANDFILL AIR EMISSIONS MONITORING

REPORT

BRADLEY LANDFILL

FOURTH QUARTER 1991

SEPTEMBER - NOVEMBER

Prepared For:

Valley Reclamation Company
9188 Glenoaks Boulevard
Sun Valley, California 91352

EXECUTIVE SUMMARY

Landfill Air Emissions Monitoring results at the Bradley Landfill for the fourth quarter of 1991 (for months September, October and November, 1991) are presented in this report. Data is reported pursuant to the *"Guidelines for Implementation of Rule 1150.1"*, as published by the South Coast Air Quality Management District.

The data indicates that Valley Reclamation Company, owner/operator of the Bradley Landfill, is in compliance with Rule 1150.1.

TABLE OF CONTENTS

EXECUTIVE SUMMARY i

TABLE OF CONTENTS ii

LIST OF TABLES iii

1.0 INTRODUCTION 1

2.0 SAMPLING PROCEDURES 2

2.1 INSTANTANEOUS LANDFILL SURFACE MONITORING 2

2.2 AMBIENT AIR SAMPLING 2

2.3 INTEGRATED SURFACE SAMPLING 3

2.4 INTERNAL LANDFILL GAS SAMPLING 4

2.5 PERIMETER PROBE SAMPLING 4

3.0 RESULTS AND DISCUSSION 5

3.1 INSTANTANEOUS SURFACE MONITORING 5

3.2 INTEGRATED SURFACE SAMPLING 5

3.3 AMBIENT AIR SAMPLING 6

3.4 INTERNAL LANDFILL GAS SAMPLING 6

3.5 PERIMETER PROBE SAMPLING 6

3.6 QUALITY ASSURANCE/QUALITY CONTROL PROVISIONS 7

LIST OF TABLES

Table 1. Integrated Surface Sample Summary 8

Table 2. 24 Hour Ambient Air Sample Summary 9

Table 3. Less-Than-24 Hour Ambient Air Sample Summary 10

Table 4. Less-Than-24 Hour Collocated Ambient Air Sample Summary 11

Table 5. Internal Landfill Gas Sample Summary 12

LIST OF APPENDICES

A. INSTANTANEOUS SURFACE SAMPLING REPORTS AND SITE PLAN MAPS

B. METEOROLOGICAL DATA

C. ISS AND AMBIENT AIR SITE PLAN MAPS

D. FIELD AND CALIBRATION DATA LOGS

E. LABORATORY RESULTS AND QA/QC SUMMARY

F. PERIMETER PROBE SITE MAP AND WEEKLY PROBE RESULTS

1.0 INTRODUCTION

This report presents the results of landfill air emissions monitoring performed at Bradley Landfill during the months of September, October and November, 1991 by Waste Management of North America (WMNA) personnel. Monitoring was performed in accordance with the South Coast Air Quality Management District (SCAQMD) Rule 1150.1 Monitoring plan developed by Valley Reclamation Company (VRC), a subsidiary of WMNA.

Rule 1150.1 requires that monthly monitoring and quarterly reporting of emissions of specified toxic compounds in the landfill environment be performed. Specific types of monitoring include:

- Instantaneous landfill surface monitoring;
- Ambient air sampling upwind and downwind of the site;
- Integrated surface sampling;
- Internal Landfill Gas Sampling;
- Perimeter probe sampling and weekly readings.

Landfill Site

The Bradley Landfill is located in the Sun Valley District of Los Angeles California, in the northwest corner of the Los Angeles metropolitan area. The landfill is owned and operated by VRC. The site was formerly a sand and gravel pit operated by Conrock Company. The landfill is currently a Class III waste disposal facility occupying approximately 209 acres. Current refuse filling activities are taking place at Bradley West. An active landfill gas (LFG) migration/emissions control system has been operational at the site since 1982. The LFG Collection System produces in excess of 2 million cubic feet per day. During normal operating periods of the day, LFG is collected, processed and piped to Pacific Lighting Energy Systems (PLES). During high energy demand the Los Angeles Department of Water and Power (LADWP) Valley Steam Generating Station accepts the gas. When the LFG is not in demand by PLES and or LADWP, it is routed to an on-site flare station where it is incinerated in accordance with SCAQMD rules and permit conditions.

2.0 SAMPLING PROCEDURES

This section outlines the procedures used in performing each activity. Sampling was conducted on a monthly basis during September, October and November, 1991. All field and analytical procedures were performed in accordance with the guidelines for implementing Rule 1150.1 published by the SCAQMD. All field equipment utilized at the site complies with SCAQMD standards.

2.1 INSTANTANEOUS LANDFILL SURFACE MONITORING

The landfill disposal area was monitored each month for Total Organic Compounds (TOC) measured as methane, using a Flame Ionizing Detector, OVA Model 128. The monitoring consisted of walking the landfill over accessible areas overlying solid waste while maintaining a 3 inch monitoring distance above the surface. Any detections of TOC in excess of 50 ppm are marked on the grid site map (Appendix A) giving location and concentration. Any TOC detections greater than or equal to 500 ppm or greater are reported. Prior to each surface area sweep, the equipment is calibrated using a three point method and the weather is monitored to ensure favorable conditions. Wind speed was monitored and recorded during the sampling event from the onsite meteorological station.

Instantaneous surface monitoring reports located in Appendix A include weather conditions, instrument operation, instrument calibration and field audits on instrument accuracy.

Portions of the landfill were prevented from monitoring due to activities including dirt stock piling, heavy truck traffic, landfill covering on active face, and steep landfill slopes. The monthly site maps for the instant surface sweep patterns are shown in Appendix A.

2.2 AMBIENT AIR SAMPLING

Ambient air monitoring stations were positioned up and downwind of the site. On each test date, two 24-hour samples and three less-than-24 hour samples (including one duplicate) were obtained from upwind and downwind locations. Wind speed and direction were continuously recorded using a onsite meteorological station, and is summarized in Appendix B. These sampler locations are shown in Appendix C. Sample locations were determined based on information generated during meteorological monitoring performed as part of the air Solid Waste Assessment Test in May 1988 and information gathered from the onsite meteorological station. Twenty-four hour meteorological surveys were conducted prior to each ambient air sampling event. Samples were not obtained unless weather conditions and wind conditions were within the Rule 1150.1 specifications.

The 24-hour samplers were programmed to sample from 10:00 a.m. until 10:00 a.m. the following day. The less-than-24-hour samplers were programmed to sample during the peak drainage hours (typically from midnight to six a.m.) as shown by data collected from the meteorological station. Flow rates were adjusted to provide an approximate 10-liter sample for the programmed sample duration. Field sheets detailing the calibration and setup of each of the samplers, barometer and checklist, are presented in Appendix D.

Following collection, the air samples were transported to the Atmospheric Assessment Associates Inc. (AtmAA Inc.) laboratory, and analyzed within 72 hours for SCAQMD Rule 1150.1 toxic components, methane, and total gaseous non-methane organics (TGNMO). Complete laboratory results for the third quarter sampling event are presented in Appendix E.

2.3 INTEGRATED SURFACE SAMPLING

Integrated Surface Samples (ISS) were obtained from accessible areas overlying deposited refuse materials. The majority of the ISS grids were 100 ft. by 500 ft. sections, or modified versions thereof due to access limitations (such as changes to on-site traffic flow, location of working face, drilling of new gas recovery wells and stock piling of soil). The altered grid shapes were used to adequately cover the landfill surface while maintaining the required 50,000 square foot area coverage. All ISS samples were collected by walking an equivalent 50,000 square foot grid over a 25 minute period. The locations of all ISS grids are shown in Appendix C.

Wind speed was monitored and recorded during the sampling event from the onsite meteorological station. Ten minute averages that were obtained and diagramed in graphs representing the average wind speed are depicted in Appendix B. Sampling was performed using a back pack mounted, hand held sampling apparatus. A 10 liter Tedlar bag enclosed in a light proof container was attached to the sampling apparatus. The gas was directed to the bag via Teflon tubing. Field sheets detailing the calibration and setup of each of the samplers, barometer and checklist, are presented in Appendix D.

Following collection, the air samples were transported to AtmAA Inc. Laboratory for analysis. The samples were analyzed within 72 hours for SCAQMD Rule 1150.1 toxic components, methane, and TGNMO.

2.4 INTERNAL LANDFILL GAS SAMPLING

Each month, one sample was collected from the LFG collection system header pipe. The sample was obtained over a 10-minute period and was collected in a 10-liter Tedlar bag, enclosed in a light-proof container. The gas was directed to the Tedlar bag via Teflon tubing. All sample hoses and fittings were made of stainless steel or Teflon materials. Field data sheets are located in Appendix D.

Following collection, the air samples were transported to the AtmAA Inc.laboratory, and analyzed within 72 hours for SCAQMD Rule 1150.1 toxic components, permanent gases, Hydrogen Sulfide, and TGNMO.

2.5 PERIMETER PROBE SAMPLING

Each week the perimeter probes were monitored for pressure and methane content using a PDM pressure meter and a Gastech NP204 combustible gas indicator. Weekly probe results are listed in Appendix F.

Monthly gas samples were collected from selected perimeter probes Prior to sampling, each probe was evacuated until the TOC remained constant for 30 seconds. Samples were then collected in a 10-liter Tedlar bag enclosed in a light-proof container. The gas was directed to the Tedlar bag via Teflon tubing. All sample hoses and fittings were made of stainless steel or Teflon materials. The sample was obtained over a ten minute period.

Following collection, monthly probe samples were transported to the AtmAA Inc. laboratory, and analyzed within 72 hours for SCAQMD Rule 1150.1 toxic components, methane, and TGNMO.

3.0 RESULTS AND DISCUSSION

3.1 INSTANTANEOUS SURFACE MONITORING

Landfill surface monitoring was performed at the Bradley East, West and West Extension locations during the months of September, October and November. Grid maps showing the landfill areas surveyed and locations of notable emissions (i.e. greater than 50 ppm TOC as methane) are included in Appendix A. The results and discussion of the survey of the findings are provided below.

SEPTEMBER
There were no detections of TOC as methane above 500ppm noted.

OCTOBER
There were no detections of TOC as methane above 500ppm noted.

NOVEMBER
There were no detections of TOC as methane above 500ppm noted.

3.2 INTEGRATED SURFACE SAMPLING

The number of ISS collected during the three month period are as follows:

September	14 ISS grids
October	16 ISS grids
November	14 ISS grids

Each ISS was tested in the field for TOC as methane using a Century OVA Model 128. During each month of the quarter, two samples were selected for laboratory testing. Table 1 presents a summary of the analytical results obtained for this quarter. Complete laboratory reports are included in Appendix E.

No methane detections in excess of 50 ppm were recorded. All other measured compounds were within normal background for this area.

It should be noted that the ISS are not correlated with the same area of the landfill (grid) as the previous month (i.e., ISS locations in Table 1 vary from month to month). The locations of each ISS are shown on Appendix C.

3.3 AMBIENT AIR SAMPLING

Sample results for 24 and less-than 24-hour samples that were collected in September, October and November, 1991 are shown in Tables 4, 5 and 6 respectively. A duplicate (collocated) sample was obtained each month at the downwind, less-than-24-hour sample location (the point of maximum expected contaminant concentrations). Table 2 presents the 24-hour upwind and downwind analytical results for each of the days tested. Table 3 presents the less-than-24-hour upwind and downwind analytical results, and Table 4 presents the less-than-24-hour downwind collocated analytical results. During the months of October and November, the collocated samples were damaged in the field. As a result, no analytical testing was performed on these two samples.

The upwind to downwind 24-hour and less-than 24-hour samples indicated no significant differences between the two results.

3.4 INTERNAL LANDFILL GAS SAMPLING

Sample results for the internal landfill gas samples that were collected in September, October and November 1991 are shown in Table 5. The complete laboratory results are located in Appendix E.

3.5 PERIMETER PROBE SAMPLING

Perimeter probes are sampled weekly for TOC as methane. The results of these measurements are found in Appendix F. Perimeter probe gas samples were analyzed each month per Section 7.0 of the Guidelines for Rule 1150.1, for toxic components, methane and TGNMO at AtmaAA Inc. laboratory. The perimeter probes that were sampled and methane concentration for each month are listed below.

MONTH	PROBE #
September	E-2s, E-8d
October	E-2s, W-10med
November	E-2s, E-8d

Please refer to the site map in Appendix F for perimeter probe locations. During the past quarter, weekly probe readings were taken for pressure and percent methane. The results of the monitoring are listed in Appendix F.

3.6 QUALITY ASSURANCE/QUALITY CONTROL PROVISIONS

Quality assurance/quality control (QA/QC) provisions were strictly maintained during sample collection and analysis. The provisions for field quality assurance and sampling methodology included:

- Adherence to sample handling and chain-of-custody provisions, as out-lined in the Guidelines for Implementing Rule 1150.1.
- Use of field data sheets to record sampling date and location, initials of field personnel, sample flow rates, regular equipment checks and calibration, weather conditions, etc.
- Collection of Ambient Air Collocated samples.
- Regular service checks and calibration of all field equipment.
- Prior to each use, the Tedlar bags were vacuum tested for leakage, then purged three times with purified Nitrogen.

Collocated Sample

A collocated sample was obtained during the month of September at the downwind less-than-24-hour sampler location. No significant differences between the halogenated organic compounds were noticed. However, the reported concentration of methane were significantly different in the regular and collocated sample being 4.56 ppm and 7.09 ppm respectively. This difference may be a function of sample or laboratory analytical error. During the months of October and November, the co-located samples were damaged in the field. As a result, no analytical testing was performed on these two samples. Analytical results are summarized in Table 4 and are included in Appendix E.

TABLE 1. INTERGRATED SURFACE SAMPLES - ANALYTICAL RESULTS

Concentrations are reported as ppb. unless noted.
Referenced grid locations are shown in Appendix A.

		SEPTEMBER		OCTOBER		NOVEMBER	
	Detection	Grid #5	Grid #12	Grid #12	Grid #4	Grid #10	Grid #13
COMPOUNDS	Limits (ppb)	VR092 (ppb)	VR110	VR112 (ppb)	VR098	VR111 (ppb)	VR119
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	1.97	3.00	2.92	4.44	2.77	3.06
Benzyl Chloride	0.8	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.1	ND	ND	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	0.4	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	0.2	ND	ND	ND	ND	ND	ND
1,1-dichloroethylene	0.1	ND	ND	0.20	0.29	ND	ND
Dichloromethane	0.2	0.58	0.70	3.16	3.06	1.06	1.71
Perchloroethene	0.1	0.21	0.53	1.06	1.10	0.54	1.47
Carbon Tetrachloride	0.06	0.12	0.12	0.12	0.11	0.10	0.10
Toluene	0.1	3.73	7.16	10.2	10.4	3.57	3.83
1,1,1-trichloroethane	0.06	4.11	4.02	21.0	11.8	17.4	29.0
[illegible]chloroethene	0.06	ND	ND	ND	ND	0.19	0.16
[illegible]loroform	0.08	ND	ND	ND	ND	0.10	ND
[illegible]yl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p-xylenes	0.4	2.87	4.20	5.20	6.88	3.12	3.40
o-xylenes	0.2	2.54	2.12	3.84	3.92	1.05	1.16
Total Methane (ppmv)	1.0 ppm	2.21ppm	2.12ppm	1.84ppm	1.78ppm	3.45ppm	2.80ppm
Total Non Methane Organics (ppmv)	1.0 ppm	ND	ND	3.43ppm	3.29ppm	1.36ppm	2.53ppm

Grid locations vary from month to month, regardless of the grid number.
ND = not detected

TABLE 2. 24 HOUR AMBIENT AIR SAMPLES – ANAYLTICAL RESULTS

Concentrations are reported as ppbv unless otherwise noted

Compounds	Detection limits	SEPTEMBER Upwind VR107	SEPTEMBER Downwind VR108	OCTOBER Upwind VR093	OCTOBER Downwind VR097	NOVEMBER Upwind VR114	NOVEMBER Downwind VR116
Total methane in ppm	1.0ppm	4.42ppm	1.85ppm	2.53ppm	1.96 ppm	2.77ppm	1.90ppm
TGNMO in ppm	1.0ppm	4.54ppm	3.37ppm	3.92ppm	4.52ppm	2.01ppm	2.30ppm
		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	1.42	1.16	4.82	3.41	1.82	0.50
Benzyl Chloride	0.8	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.1	ND	ND	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND
1,1–dichloroethane	0.4	ND	ND	ND	ND	ND	ND
1,2–dichloroethane	0.2	ND	ND	ND	ND	ND	ND
1,1–dichloroethene	0.1	ND	ND	ND	ND	ND	ND
Dichloromethane	0.2	0.28	0.40	1.27	1.03	1.01	ND
Perchloroethene	0.1	0.25	0.26	0.89	0.68	0.42	ND
Carbon Tetrachloride	0.06	0.11	0.12	0.11	0.10	0.10	0.10
Toluene	0.1	5.68	2.74	11.3	8.98	1.63	0.71
1,1,1–trichloroethane	0.06	2.23	2.56	8.66	6.29	5.39	1.00
Trichloroethane	0.06	ND	ND	ND	ND	0.06	ND
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p–xylenes	0.4	2.24	1.87	6.47	5.12	1.84	0.78
o–xylenes	0.2	1.21	0.85	4.79	3.22	O.48	0.85

NOTES
ND = not detected

TABLE 3. LESS THAN 24 HOUR AMBIENT AIR SAMPLES – ANAYLTICAL RESULTS

Concentrations are reported as ppbv unless otherwise noted

Compounds	Detection limits	SEPTEMBER Upwind VR109	SEPTEMBER Downwind VR106	OCTOBER Upwind VR107	OCTOBER Downwind VR095	NOVEMBER Upwind VR118	NOVEMBER Downwind VR115
Total methane in ppm	1.0ppm	1.83 ppm	4.56 ppm	1.74 ppm	2.18 ppm	1.81 ppm	2.20 ppm
TGNMO in ppm	1.0ppm	1.67 ppm	4.78 ppm	1.18 ppm	3.35 ppm	1.51 ppm	ND
		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	0.71	1.03	1.69	3.24	0.50	1.60
Benzyl Chloride	0.8	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.1	ND	ND	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND
1,1–dichloroethane	0.4	ND	ND	ND	ND	ND	ND
1,2–dichloroethane	0.2	ND	ND	ND	ND	ND	ND
1,1–dichloroethene	0.1	ND	ND	ND	ND	ND	ND
Dichloromethane	0.2	0.26	0.21	0.43	0.68	ND	ND
Perchloroethene	0.1	0.14	0.19	0.16	0.31	ND	ND
Carbon Tetrachloride	0.06	0.12	0.10	0.10	0.10	0.10	0.10
Toluene	0.1	1.52	3.24	6.01	9.98	0.71	0.44
1,1,1–trichloroethane	0.06	1.38	1.15	2.42	3.34	1.00	0.75
Trichloroethane	0.06	ND	ND	ND	ND	ND	ND
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p–xylenes	0.4	1.66	2.81	3.61	6.11	0.73	0.54
o–xylenes	0.2	0.67	1.24	0.28	3.58	0.27	6.22

ND = not detected

TABLE 4. LESS THAN 24 HOUR CO-LOCATED AMBIENT AIR SAMPLES ANALYTICAL RESULTS

Concentrations are reported as ppbv unless otherwise noted

Compounds	Detection limits	SEPTEMBER Downwind VR106 (ppb)	Co-located VR105
Acetonitrile	0.8	ND	ND
Benzene	0.1	1.03	0.79
Benzyl Chloride	0.8	ND	ND
Chlorobenzene	0.1	ND	ND
Dichlorobenzene	1.1	ND	ND
1,1-dichloroethane	0.4	ND	ND
1,2-dichloroethane	0.2	ND	ND
1,1-dichloroethene	0.1	ND	ND
Dichloromethane	0.2	0.21	0.21
Perchloroethene	0.1	0.19	0.28
Carbon Tetrachloride	0.06	0.10	0.11
Toluene	0.1	3.24	1.79
1,1,1-trichloroethane	0.06	1.15	1.06
Trichloroethane	0.06	ND	ND
Chloroform	0.08	ND	ND
Vinyl Chloride	0.1	ND	ND
m+p-xylenes	0.4	2.81	1.28
o-xylenes	0.2	1.24	0.53
Total methane in ppm	1.0ppm	4.56 ppm	7.09 ppm
TGNMO in ppm	1.0ppm	4.78 ppm	ND

NA = not analyzed
Co-located samples for October and November are not available. Refer to Section 3.3 for more information.

TABLE 5. LANDFILL GAS SAMPLES – ANALYTICAL RESULTS

	Detection Limits	SEPTEMBER VR057.5	OCTOBER VR089	NOVEMBER VR099
COMPONENTS measured in concentration in ppm V/V				
Total Gaseous Non–methane Organics	1ppm	6440	4650	5840
Hydrogen Sulfide	0.5ppm	44.1	44.3	29.0
COMPONENTS measured in percentage % V/V				
Methane	0.2%	43.1	40.0	28.4
Carbon Dioxide	0.2%	39.6	37.1	27.0
Oxygen	0.2%	0.56	2.29	6.94
Nitrogen	0.2%	15.3	20.1	35.2
COMPOUNDS measured in concentration in ppb, V/V				
Acetonitrile	5.0ppb	15.0	12.8	10.8
Benzene	50	2180	1790	1930
Benzyl Chloride	100	ND	ND	ND
Chlorobenzene	50	ND	ND	1300
Dichlorobenzene	100	508	130	510
1,1–dichloroethane	100	4300	3300	3880
1,2–dichloroethane	20	390	210	396
1,1–dichloroethylene	30	354	622	493
Dichloromethane	15	9980	8360	7400
Perchloroethene	2	24900	26800	13900
Carbon Tetrachloride	1	ND	ND	ND
Toluene	75	68000	57200	67400
1,1,1–trichloroethane	5	397	13.5	45.0
Trichloroethene	4	494	5580	4510
Chloroform	2	4.54	ND	ND
Vinyl Chloride	20	4430	2240	1920
m+p–xylenes	100	33500	17400	10300
o–xylenes	60	10500	3540	7420

APPENDIX A

INSTANTANEOUS SURFACE SWEEP REPORT AND SITE MAP

PARTIALLY SCANNED
OVERSIZE ITEM(S)

See document # 2199226
for partially scanned image(s).

8 OF 12 + 9 OF 12

For complete hardcopy version of the oversize document
contact the Region IX Superfund Records Center at
(415) 536-2000

INSTANTANEOUS SURFACE MONITORING, REPORTS AND RESPONSES FOR THE MONTH OF NOVEMBER

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: DECEMBER 15, 1991

TO: JOHN MAYS

FROM: ERNIE DRAGAN

SUBJECT: **GAS EMISSION SURVEY CARRIED OUT ON BRADLEY WEST, BRADLEY WEST EXTENSION AND BRADLEY EAST LANDFILLS ON NOVEMBER 19 AND 22, 1991**

A sweep was conducted using a Century Organic Vapor Analyzer Model OVA 128 to locate potential surface landfill gas emissions. Monitoring was conducted according to the "Guidelines for Implementation of rule 1150.1" by marking on the grided map any detections exceeding 50 ppm TOC as methane.

Weather conditions were within sampling limits; noting that no rainfall was observed 24 hours prior to the survey. Wind speed was measured using a hand held anomometer and recorded every hour. Details on the weather conditions, instrument operation, performance checklist, laboratory calibration and field audits are attached.

The results of the survey and a discussion of the findings are provided below.

BRADLEY EAST (SOUTH SECTION)

Time of Sweep: 11:30 - 1:00 November 19, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley East (South section).

No other detections of organic vapor was observed.

BRADLEY WEST EXTENSION

Time of Sweep: 1:00 - 3:30 November 19, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley West Extension.

No other detections of organic vapor was observed.

BRADLEY EAST (NORTH SECTION)

Time of Sweep: 12:00 - 2:30 November 22, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley East (North section) during the time of the sweep.

BRADLEY WEST

Time of Sweep: 2:30 - 4:30 November 22, 1991

There were were no detections in excess of 50 ppm TOC as methane at Bradley West during the time of the sweep.

c.c. Eric Davies
Bob Austin
Susan Kilgore

Valley Reclamation Company
Bradley Landfill & Recycling Center
9188 Glenoaks Boulevard, 3rd Floor
P.O. Box 39
Sun Valley, California 91352
818/767-6180 • FAX: 818/767-4270

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: DECEMBER 10, 1991

TO: JOHN MAYS

FROM: SUSAN KILGORE

SUBJECT: **RESPONSE TO POINT SOURCE EMISSIONS NOVEMBER 19 and 22, 1991**

In response to the Gas Emission Survey performed by Environmental Technician Ernie Dragan on November 19 and 22, 1991, the following responses were taken:

BRADLEY EAST (SOUTH SECTION)

Exceeded Limits: No exceeded limits.

Response: No response necessary.

BRADLEY EAST (NORTH SECTION)

Exceeded Limits: No exceeded limits.

Response: No response necessary.

BRADLEY WEST EXTENSION

Exceeded Limits: No exceeded limits.

Response: No response necessary.

BRADLEY WEST

Exceeded Limits: No exceeded Limits.

Response: No responce necessary.

cc: Eric Davies
Bob Austin
Ernie Dragan
Cozetta Wilson
F/VR Rule 1150.1/Report 11/91

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVA / ISS BAG CHECK

OPERATOR: DRAGAN

DATE: 11/22/91 **Start** 10:45 **Finish** 10:55

Model # Century 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery Test	Pass/Fail	Perform Three Point Internal Calibration Before Use.
Reading Following Ignition	6 ppm	**CALIBRATION CHECK**
Leak Test	Pass/Fail	
Clean System Check (Check Valve Chatter)	Pass/Fail	
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	Pass/Fail	

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
10	PASSED		
95			
900			

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 4:~~45~~	10	8	80
	95	89	94
	900	840	93
2.			

Instrument calibrated to CH_4 gas

COMMENTS: windspeed 12:00 – 8.6
1:00 12.1
2:00 9.6
3:00 10.4
4:00 8.9

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVA SWEEP

OPERATOR: DRAGAM

DATE: 11/19/91 **Start** 11:05 **Finish** 11:15

Model # CENTURY 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	2.8 ppm
Leak Test	(Pass)/Fail
Clean System Check (Check Valve Chatter)	(Pass)/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	(Pass)/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	~~% Accuracy~~	Ambient (ppm)
10			2.8
95			↓
900			

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 9:00	10		
	95		
	900		
2.			

Instrument calibrated to_____gas

COMMENTS: wind speed 11:30 8.3 mph
12:30 10.9 mph
1:30 9.6 mph
2:30 12.7 mph
3:30 8.6 mph

wind speed taken with a hand held anemometer every hour.

INSTANTANEOUS SURFACE MONITORING, REPORTS AND RESPONSES FOR THE MONTH OF OCTOBER

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: NOVEMBER 15, 1991

TO: JOHN MAYS

FROM: COZETTA WILSON CW

SUBJECT: **GAS EMISSION SURVEY CARRIED OUT ON BRADLEY WEST, BRADLEY WEST EXTENSION AND BRADLEY EAST LANDFILLS ON OCTOBER 21 AND 30, 1991**

A sweep was conducted using a Century Organic Vapor Analyzer Model OVA 128 to locate potential surface landfill gas emissions. Monitoring was conducted according to the "Guidelines for Implementation of rule 1150.1" by marking on the grided map any detections exceeding 50 ppm TOC as methane.

Weather conditions were within sampling limits; noting that no rainfall was observed 24 hours prior to the survey. Wind speed was measured using a hand held anomometer and recorded every hour. Details on the weather conditions, instrument operation, performance checklist, laboratory calibration and field audits are attached.

The results of the survey and a discussion of the findings are provided below.

BRADLEY EAST (SOUTH SECTION)

Time of Sweep: 12:00 - 2:45 October 21, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley East (South section).

No other detections of organic vapor was observed.

BRADLEY WEST EXTENSION

Time of Sweep: 2:15 - 4:30 October 30, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley West Extension.

No other detections of organic vapor was observed.

There were no detections in excess of 50 ppm TOC as methane observed at Bradley East (North section) during the time of the sweep.

BRADLEY WEST

Time of Sweep: 2:15 - 4:30 October 30, 1991

There were were no detections in excess of 50 ppm TOC as methane at Bradley West during the time of the sweep.

c.c. Eric Davies
Bob Austin
Susan Kilgore

Valley Reclamation Company
Bradley Landfill & Recycling Center
9188 Glenoaks Boulevard, 3rd Floor
P.O. Box 39
Sun Valley, California 91352
818/767-6180 • FAX: 818/767-4270

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: NOVEMBER 17, 1991

TO: JOHN MAYS

FROM: SUSAN KILGORE

SUBJECT: **RESPONSE TO POINT SOURCE EMISSIONS OCTOBER 21 and 30, 1991**

In response to the Gas Emission Survey performed by Environmental Technician Cozetta Wilson on October 21 and 30, 1991, the following responses were taken:

BRADLEY EAST (SOUTH SECTION)

Exceeded Limits: No exceeded limits.

Response: No response necessary.

BRADLEY EAST (NORTH SECTION)

Exceeded Limits: No exceeded limits.

Response: No response necessary.

BRADLEY WEST EXTENSION

Exceeded Limits: No exceeded limits.

Response: No response necessary.

BRADLEY WEST

Exceeded Limits: No exceeded Limits.

Response: No responce necessary.

cc: Eric Davies
Bob Austin
Ernie Dragan
Cozetta Wilson
F/VR Rule 1150.1/Report 10/91

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: ~~OVA~~ Valley Reclamation

PURPOSE: OVA Sweep

OPERATOR: C. Wilson

DATE: 10/21/91 **Start** 12:00 **Finish** 2:45

Model # Century 108
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	5.5 ppm
Leak Test	(Pass)/Fail
Clean System Check (Check Valve Chatter)	(Pass)/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	(Pass)/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
10	10	100%	5.5
95	95	100%	5.5
900	900	100%	5.5

AUDIT

	Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	3:00	10	8	
		95	90	
2.		900	891	

Instrument calibrated to City gas

COMMENTS: 12:15 - 3.10 mph
12:45 - 1.1
1:15 - 2.5
1:45 - 8.3
2:15 - 0.9
2:45 - 6.5

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: Valley Reclamation

PURPOSE: OVA Survey

OPERATOR: C. Wilson

DATE: 10/30/91 **Start** 2:15 **Finish** 4:30

Model # Century 108
Serial # 4050100

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	6 ppm
Leak Test	Pass/Fail
Clean System Check (Check Valve Chatter)	Pass/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	Pass/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
10	10	100%	6.0
95	95	100%	6.0
900	1[illegible]	100%	6.0

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.			
2.			

Instrument calibrated to CH_4 gas

COMMENTS:
2:15 - 0.12 mph
2:45 - 57 mph
3:15 - 1.6 mph
3:45 - 0.8 mph
4:15 - 7.9 mph
4:45 - 0.13 mph

INSTANTANEOUS SURFACE MONITORING, REPORTS AND RESPONSES FOR THE MONTH OF SEPTEMBER

Valley Reclamation Company
Bradley Landfill & Recycling Center
9186 Glenoaks Boulevard, 3rd Floor
P.O. Box 39
Sun Valley, California 91352
818/767-6180 • FAX: 818/767-4270

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: SEPTEMBER 30, 1991

TO: JOHN MAYS

FROM: COZETTA WILSON

SUBJECT: **GAS EMISSION SURVEY CARRIED OUT ON BRADLEY WEST, BRADLEY WEST EXTENSION AND BRADLEY EAST LANDFILLS ON SEPTEMBER 6 AND 9, 1991**

A sweep was conducted using a Century Organic Vapor Analyzer Model OVA 128 to locate potential surface landfill gas emissions. Monitoring was conducted according to the "Guidelines for Implementation of rule 1150.1" by marking on the grided map any detections exceeding 50 ppm TOC as methane.

Weather conditions were within sampling limits; noting that no rainfall was observed 24 hours prior to the survey. Wind speed was measured using a hand held anomometer and recorded every hour. Details on the weather conditions, instrument operation, performance checklist, laboratory calibration and field audits are attached.

The results of the survey and a discussion of the findings are provided below.

BRADLEY EAST (SOUTH SECTION)

Time of Sweep: 8:20 - 10:30 September 6, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley East (South section).

No other detections of organic vapor was observed.

BRADLEY WEST EXTENSION

Time of Sweep: 2:26 - 4:30 September 9, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley West Extension.

No other detections of organic vapor was observed.

BRADLEY EAST (NORTH SECTION)

Time of Sweep: 8:20 - 10:30 September 6, 1991

There were no detections in excess of 50 ppm TOC as methane observed at Bradley East

(North section) during the time of the sweep.

BRADLEY WEST

Time of Sweep: 2:26 - 4:30 September 9, 1991

There were were no detections in excess of 50 ppm TOC as methane at Bradley West during the time of the sweep.

c.c. Eric Davies
Bob Austin
Susan Kilgore

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVASweep

OPERATOR: Wilson

DATE: 9/9/91 Start 2:18 Finish ~~4:30~~ 2:21

Model # Century 128
Serial # 4050P

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	4 ppm
Leak Test	(Pass)/Fail
Clean System Check (Check Valve Chatter)	(Pass)/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	Pass/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
900	900	100%	4
95	95	100%	4
10	10	100%	4

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.			
2.			

Instrument calibrated to CH_4 gas

COMMENTS:
2:26 1.9 mph
2:45 1.6 mph
3:12 1.4 mph
3:37 1.3 mph
4:00 2.07 mph
4:30 1.8 mph

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVA sweep

OPERATOR: C. Wilson

DATE: 9/6/91 **Start** 8:17 **Finish** 8:20

Model # Century OVA #128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	4.5 ppm
Leak Test	Pass/Fail
Clean System Check (Check Valve Chatter)	Pass/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	Pass/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
10	10	100%	4.5
95	95	100%	4.5
900	900	100%	4.5

AUDIT

	Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	10:05	10	10	
	↓	95	90	
2.	↓	900	880	

Instrument calibrated to CH_4 gas

COMMENTS:

8:20	6.40 mph
8:30	5.5 mph
9:00	4.65 mph
9:30	5.06 mph
9:50	6.4 mph
10:00	6.02 mph
10:30	

A Waste Management Company

DATE: September 30, 1991

TO: JOHN MAYS

FROM: SUSAN KILGORE

SUBJECT: RESPONSE TO POINT SOURSE EMISSIONS SEPTEMBER 6 AND 9, 1991

In response to the Gas Emission Survey performed by Environmental Technician, Cozetta Wilson on September 6 and 9, 1991, the following responses were taken:

Bradley West

Exceeded Limits: No exceeded limits were noted.

Response: No response necessary.

Bradley West Extention

Exceeded Limits: No exceeded limits were noted.

Response: No response necessary.

Brabley East (North Section)

Exceeded Limits: No exceeded limits were noted.

Response: No response necessary.

Bradley East (South Section)

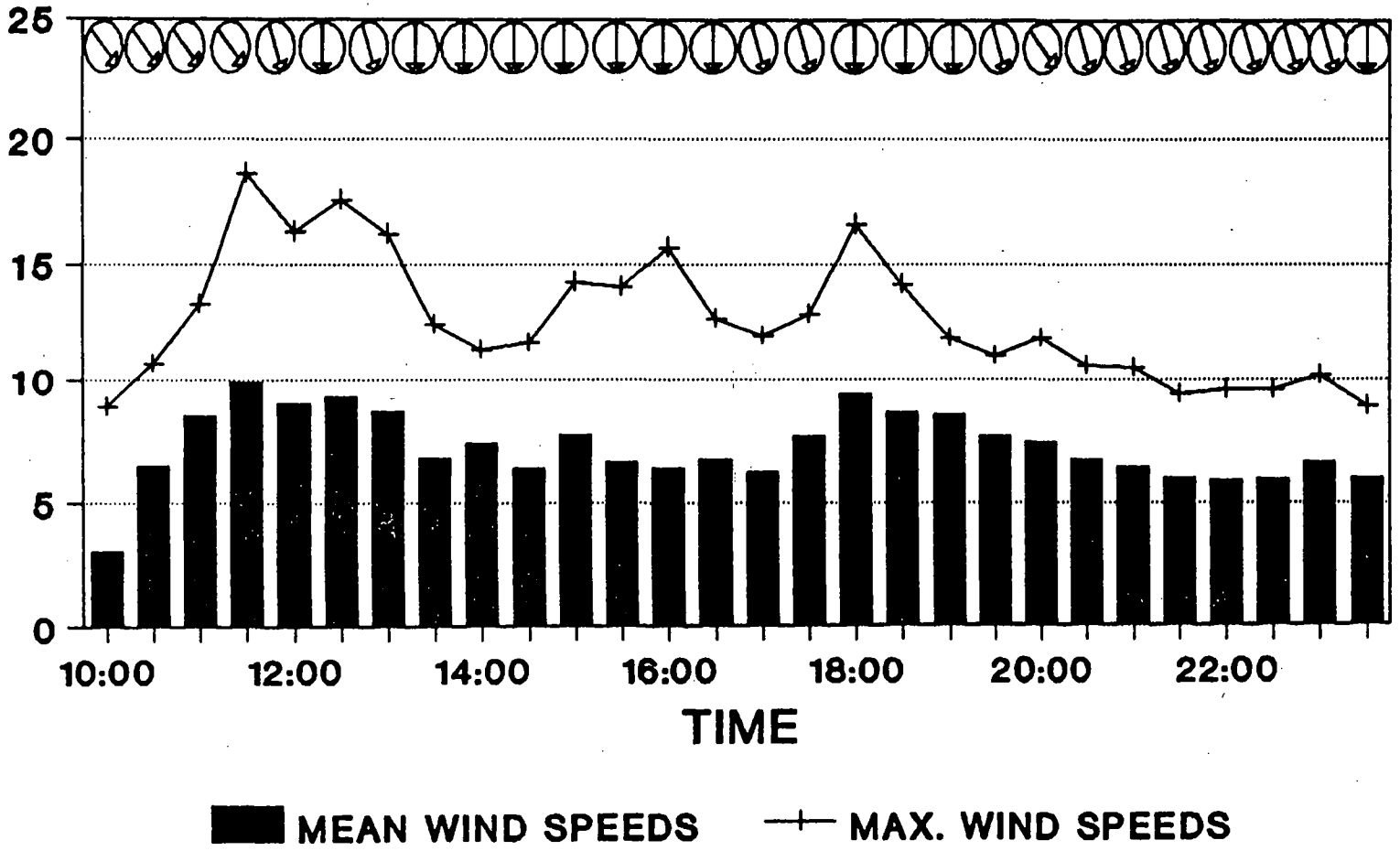
Exceeded Limits: No exceeded limits were noted.

Response: No response necessary.

F/VR: 1150.1 Monitoring 9/91

MONITORING WIND CONDITIONS

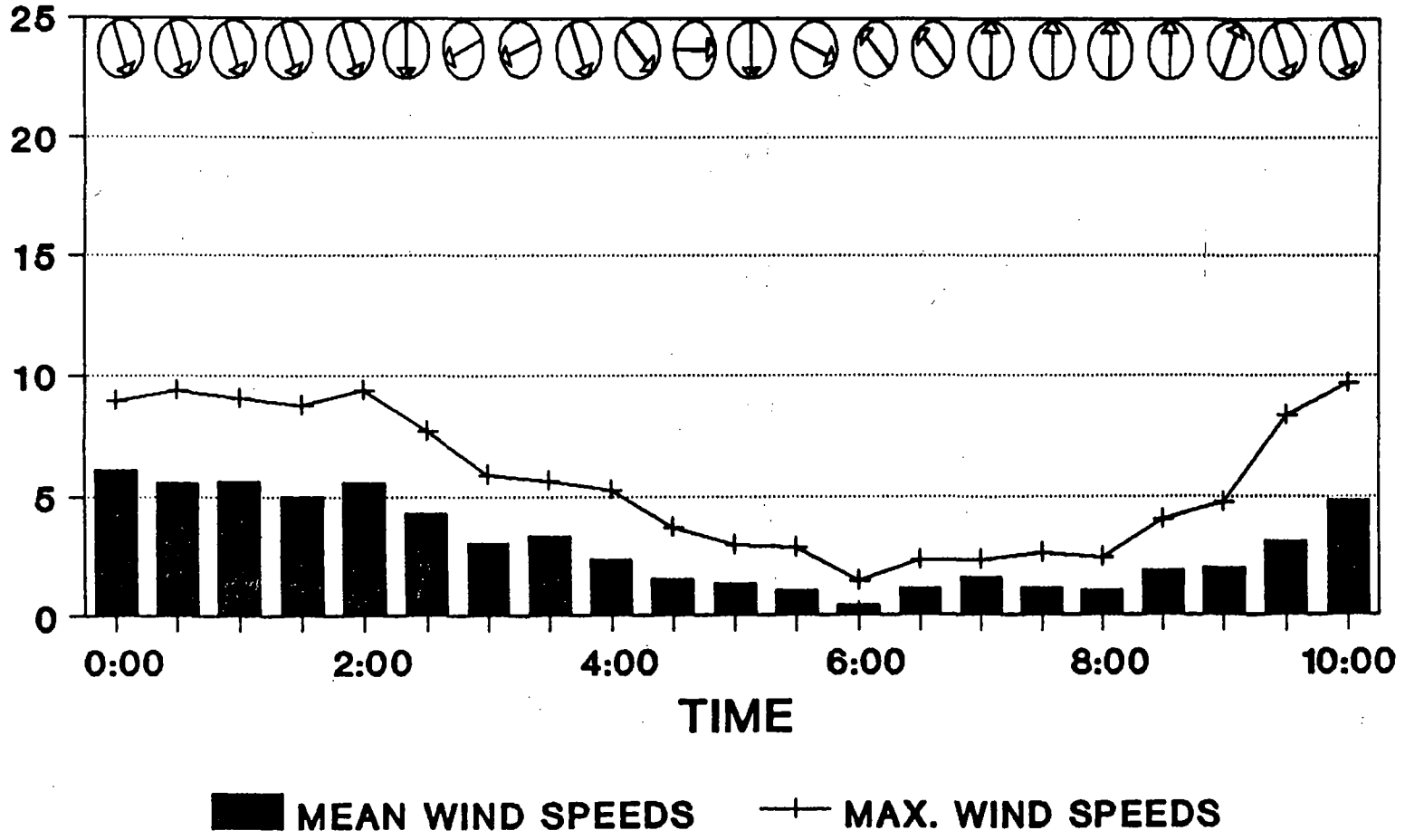
September 9, 1991



wind speed in mph

MONITORING WIND CONDITIONS

September 10, 1991



wind speed in mph

METEOROLOGICAL WIND DATA
INTEGRATED SURFACE SAMPLING

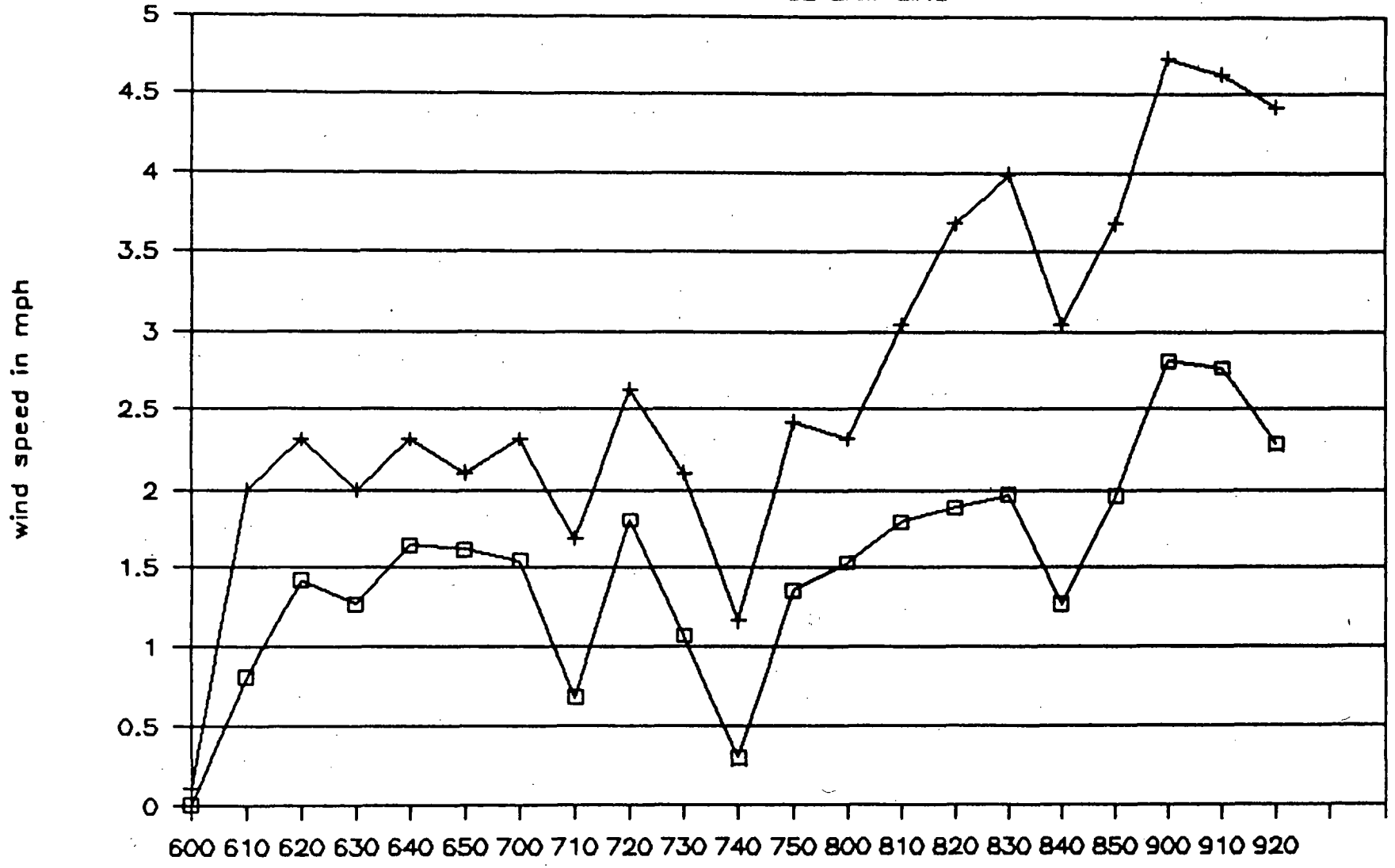
DATE		TIME	AVE WIND SPEED	MAX WIND SPEED
9	10	600	0.002	0.105
9	10	610	0.81	1.998
9	10	620	1.412	2.313
9	10	630	1.265	1.998
9	10	640	1.638	2.313
9	10	650	1.609	2.103
9	10	700	1.539	2.313
9	10	710	0.686	1.682
9	10	720	1.803	2.628
9	10	730	1.064	2.103
9	10	740	0.294	1.157
9	10	750	1.349	2.418
9	10	800	1.525	2.313
9	10	810	1.788	3.049
9	10	820	1.887	3.68
9	10	830	1.968	3.995
9	10	840	1.26	3.049
9	10	850	1.96	3.68
9	10	900	2.818	4.731
9	10	910	2.773	4.626
9	10	920	2.283	4.416

METEOROLOGICAL WIND DATA
INTEGRATED SURFACE SAMPLING

DATE		TIME	AVE. WIND SPEED	MAX. WIND SPEED
9	11	630	1.479	1.998
9	11	640	2.241	3.364
9	11	650	2.382	3.154
9	11	700	1.654	2.734
9	11	710	1.922	2.839
9	11	720	2.111	2.628
9	11	730	2.257	3.364
9	11	740	2.654	3.364
9	11	750	2.244	3.259
9	11	800	1.844	2.734
9	11	810	1.223	1.998
9	11	820	1.089	2.313
9	11	830	1.829	3.364
9	11	840	1.59	2.839
9	11	850	1.586	3.47
9	11	900	1.518	3.785
9	11	910	2.389	5.152
9	11	920	3.243	6.519

METEOROLOGICAL WIND DATA

INTEGRATED SURFACE SAMPLING



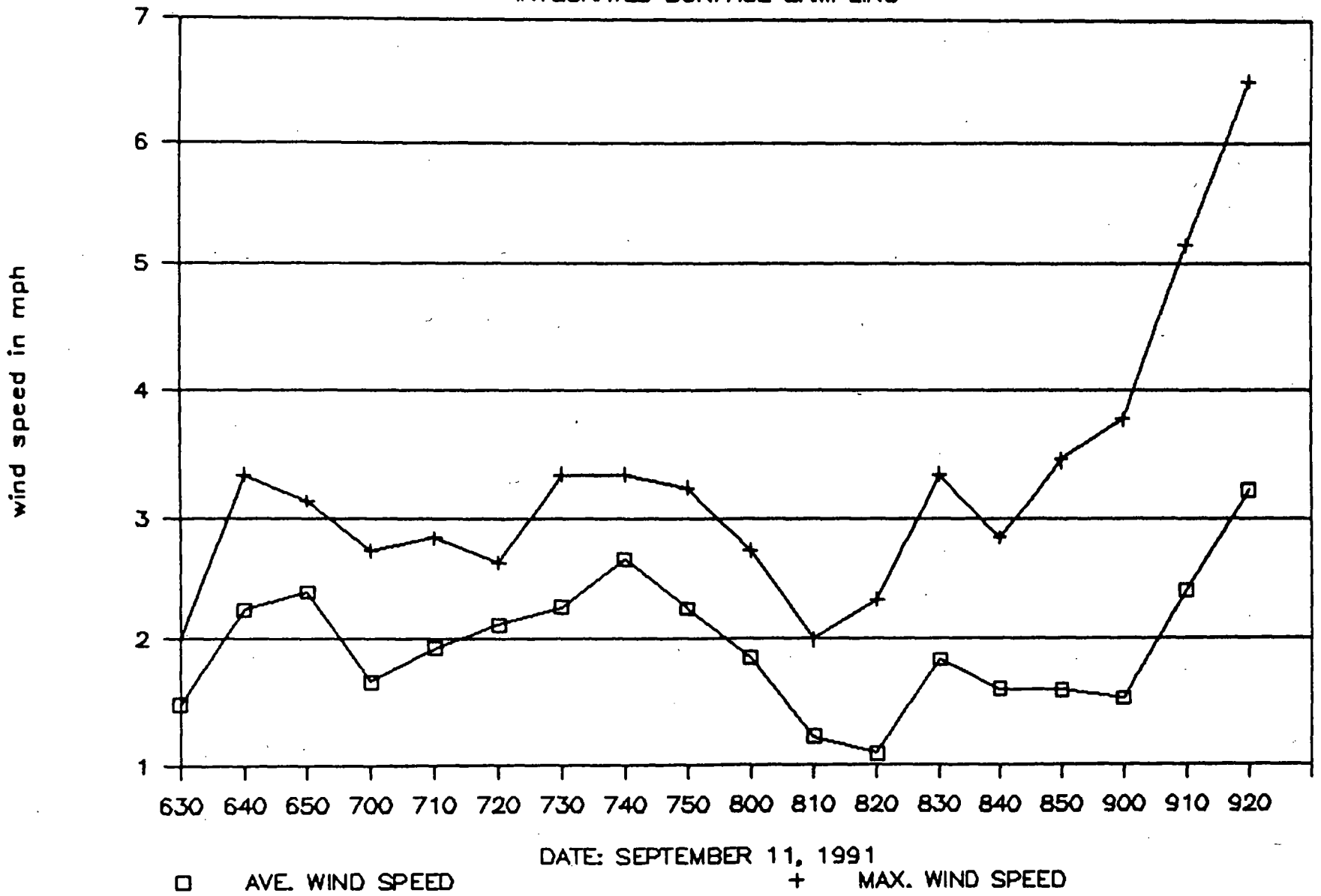
DATE: SEPTEMBER 10, 1991

□ AVE. WIND SPEED

+ MAX. WIND SPEED

METEOROLOGICAL WIND DATA

INTEGRATED SURFACE SAMPLING



APPENDIX B

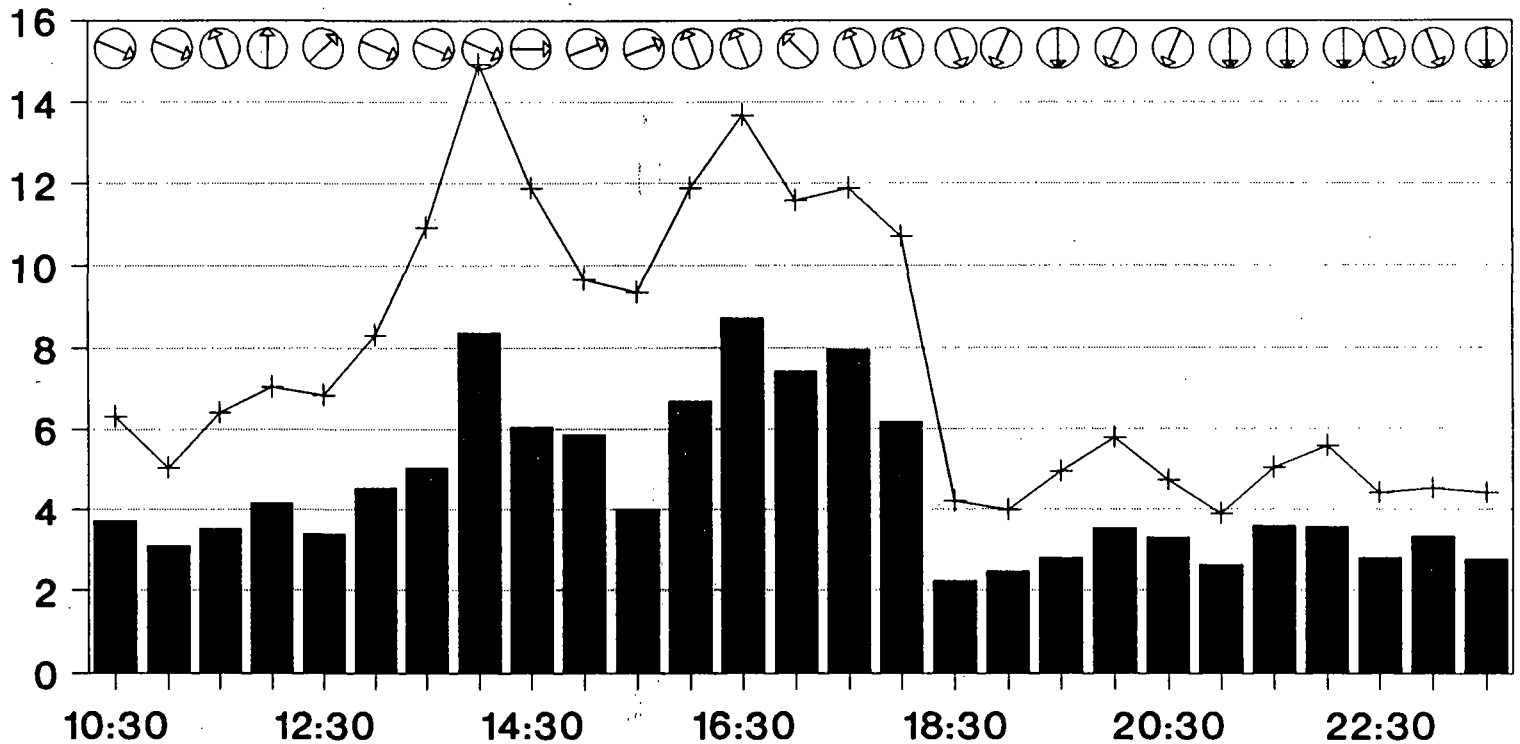
WIND SPEED AND DIRECTION INFORMATION

WIND SPEED AND DIRECTION
FOR THE MONTH OF NOVEMBER

Ambient Air Data, November, 1991

Date		time	ave. wind speed	max. wind speed		wind direction	Template for wind direction	
11	25	1000	5.16	6.834	SE	311.1	0	SOUTH
11	25	1030	3.722	6.308	ESE	301.5	11.25	SSW
11	25	1100	3.089	5.047	ESE	283	33.75	SW
11	25	1130	3.51	6.414	NNW	162.7	56.25	WSW
11	25	1200	4.162	7.04	NORTH	169.1	78.75	WEST
11	25	1230	3.391	6.834	NE	231.2	101.25	WNW
11	25	1300	4.542	8.31	ESE	296.8	123.75	NW
11	25	1330	5.034	10.93	ESE	289.9	146.25	NNW
11	25	1400	8.37	14.93	ESE	290.6	168.75	NORTH
11	25	1430	6.048	11.88	EAST	280.4	191.25	NNE
11	25	1500	5.86	9.67	ENE	242.6	213.75	NE
11	25	1530	4.005	9.36	ENE	237.7	236.25	ENE
11	25	1600	6.68	11.88	NNW	166.6	258.75	EAST
11	25	1630	8.74	13.67	NNW	146.4	281.25	ESE
11	25	1700	7.42	11.57	NW	145.4	303.75	SE
11	25	1730	7.95	11.88	NNW	151.3	326.25	SSE
11	25	1800	6.178	10.72	NNW	148.5	348.75	SSE
11	25	1830	2.231	4.206	SSE	334.4	360	SOUTH
11	25	1900	2.456	3.995	SSW	32.38		
11	25	1930	2.799	4.942	SOUTH	1.775		
11	25	2000	3.527	5.783	SSW	14.2		
11	25	2030	3.3	4.731	SSW	13.61		
11	25	2100	2.618	3.89	SOUTH	8.74		
11	25	2130	3.591	5.047	SOUTH	4.777		
11	25	2200	3.556	5.572	SOUTH	3.395		
11	25	2230	2.796	4.416	SSE	356.8		
11	25	2300	3.324	4.521	SSE	349.9		
11	25	2330	2.755	4.416	SOUTH	2.007		
11	26	0	2.883	5.257	SSE	352.9		
11	26	30	3.814	5.152	SOUTH	3.01		
11	26	100	4.001	5.152	SSW	13.54		
11	26	130	3.872	5.362	SSE	359.4		
11	26	200	4.223	5.572	SSE	354.1		
11	26	230	4.307	5.993	SSE	349.1		
11	26	300	4.479	6.519	SSE	348.2		
11	26	330	4.588	5.888	SSE	343		
11	26	400	4.398	6.308	SSE	348.7		
11	26	430	4.91	7.04	SSE	348.2		
11	26	500	4.04	5.783	SOUTH	5.228		
11	26	530	3.627	5.362	SSE	350.6		
11	26	600	4.11	5.362	SSE	348.2		
11	26	630	4.045	5.888	SSE	344.1		
11	26	700	4.167	5.678	SSE	344.7		
11	26	730	4.599	6.729	SSE	352.7		
11	26	800	4.391	5.362	SSE	339.2		
11	26	830	4.398	6.203	SSE	342.6		
11	26	900	2.581	3.785	SOUTH	2.603		
11	26	930	2.106	3.154	SSE	334.7		
11	26	1000	1.158	1.998	SSE	331.4		
11	26	1030	1.163	1.682	SOUTH	1.304		

AMBIENT AIR DATA
NOVEMBER 25, 1991

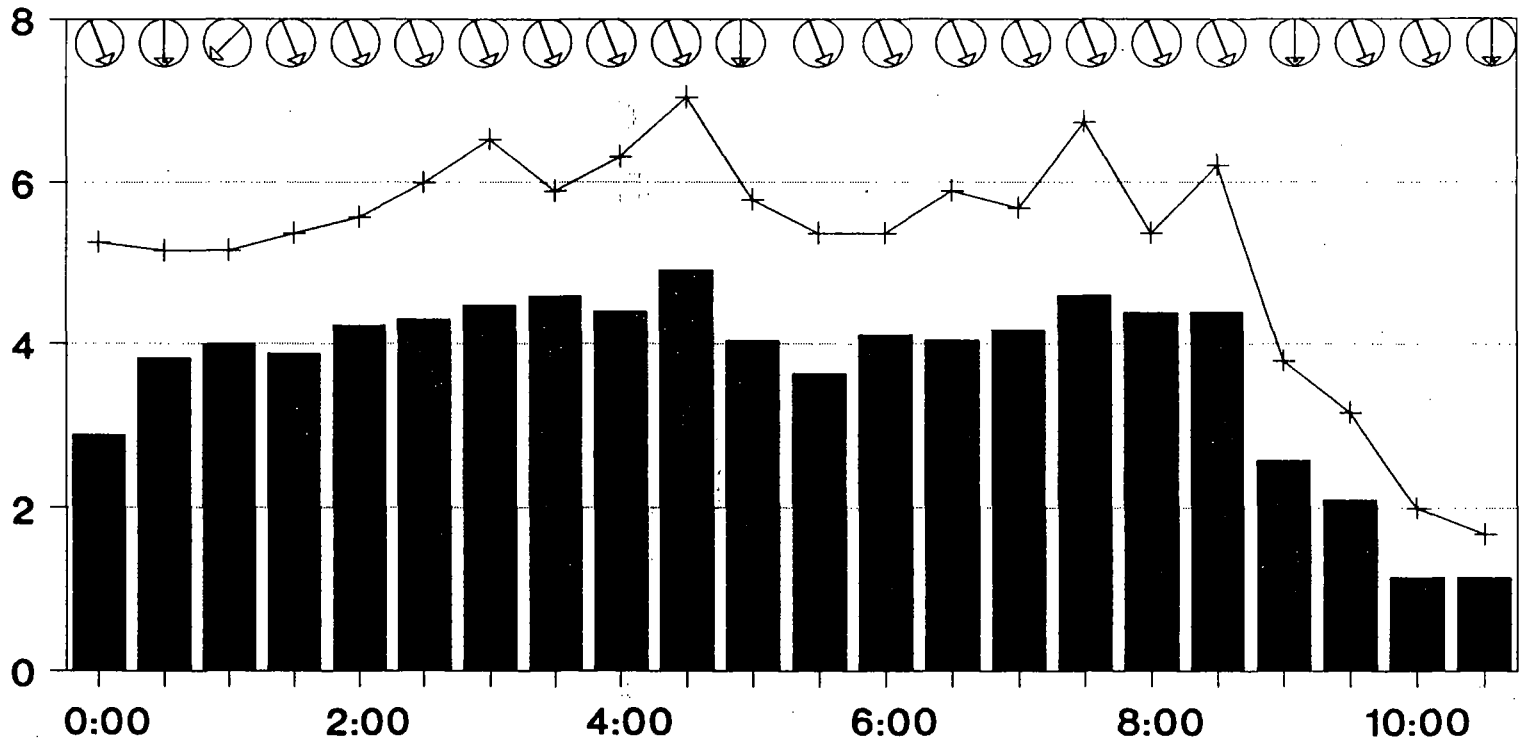


LEGEND

Mean wind speed — Max. wind speed

Wind direction, due North

AMBIENT AIR DATA
NOVEMBER 26, 1991



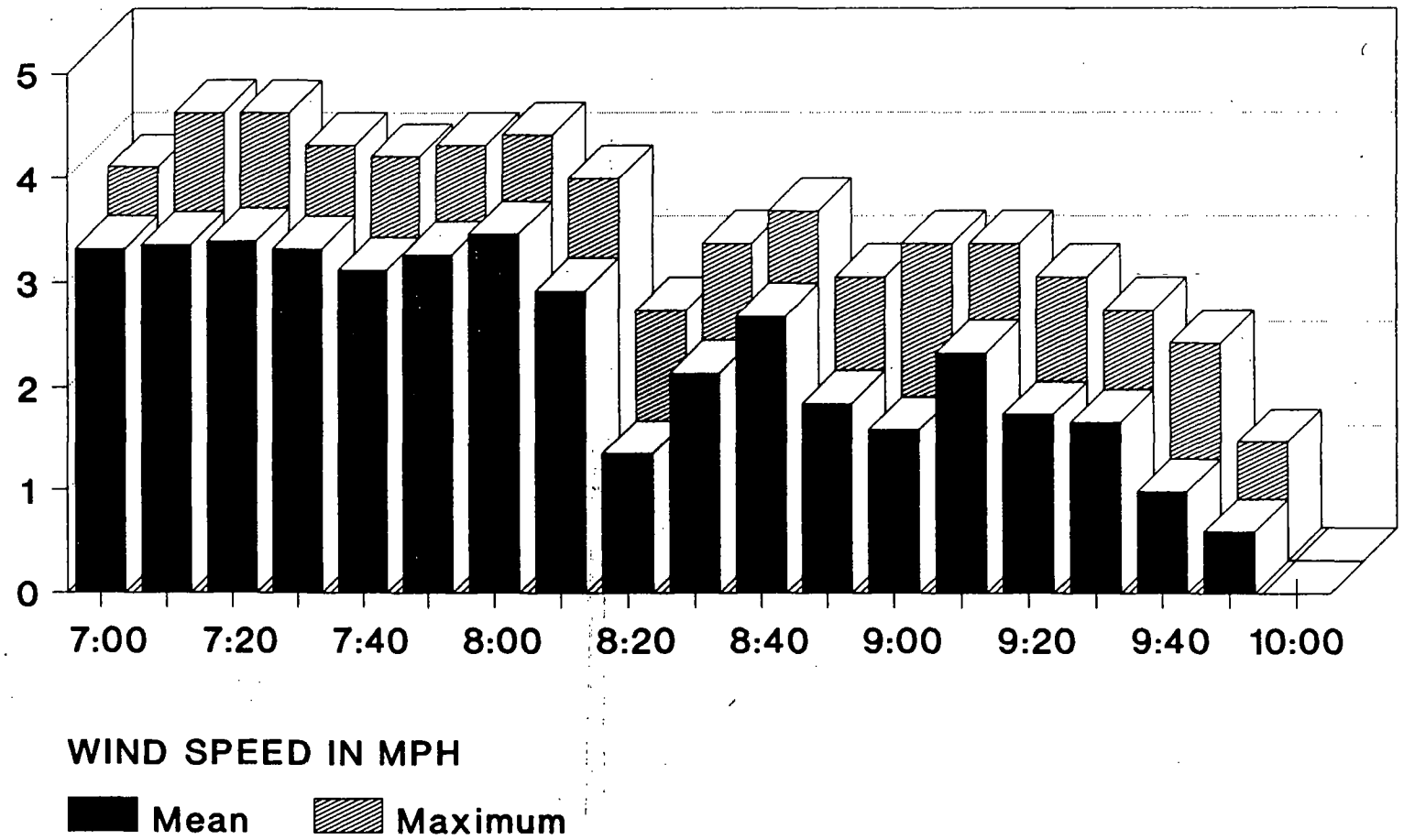
LEGEND

Mean wind speed

Max. wind speed

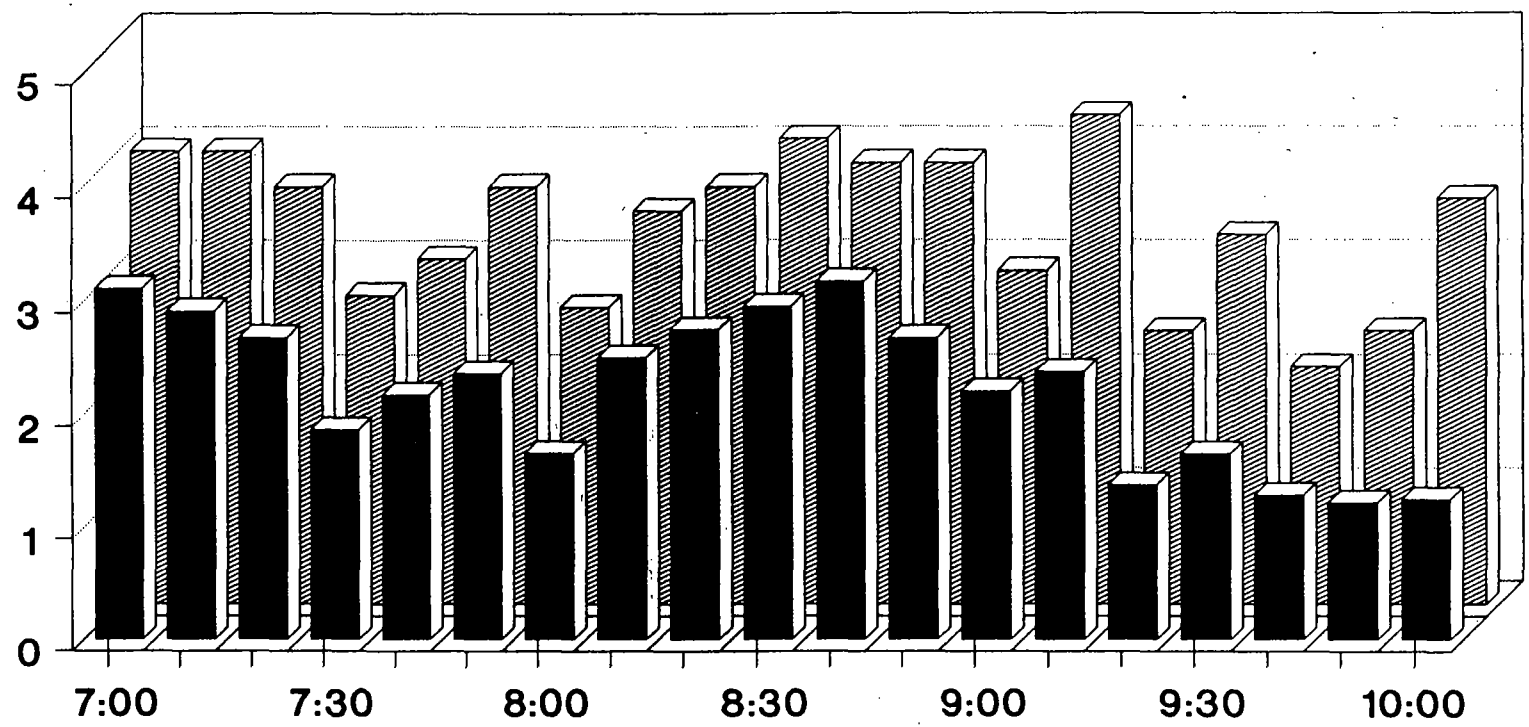
Wind direction, due North

INTEGRATED SURFACE SAMPLING METEOROLOGICAL DATA



November 21, 1991

INTEGRATED SURFACE SAMPLING METEOROLOGICAL DATA



WIND SPEED IN MPH

MEAN MAXIMUM

NOVEMBER 22, 1991

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLE
NOVEMBER 21 AND 22, 1991

DATE		TIME	AVE WIND SPEED	MAX WIND SPEED
11	21	700	3.316	3.785
11	21	710	3.356	4.311
11	21	720	3.391	4.311
11	21	730	3.319	3.995
11	21	740	3.116	3.89
11	21	750	3.264	3.995
11	21	800	3.461	4.1
11	21	810	2.921	3.68
11	21	820	1.356	2.418
11	21	830	2.131	3.049
11	21	840	2.679	3.364
11	21	850	1.845	2.734
11	21	900	1.592	3.049
11	21	910	2.326	3.049
11	21	920	1.74	2.734
11	21	930	1.665	2.418
11	21	940	0.981	2.103
11	21	950	0.594	1.157
11	22	700	3.111	3.995
11	22	710	2.915	3.995
11	22	720	2.677	3.68
11	22	730	1.87	2.734
11	22	740	2.174	3.049
11	22	750	2.363	3.68
11	22	800	1.66	2.628
11	22	810	2.499	3.47
11	22	820	2.75	3.68
11	22	830	2.95	4.1
11	22	840	3.167	3.89
11	22	850	2.671	3.89
11	22	900	2.204	2.944
11	22	910	2.374	4.311
11	22	920	1.377	2.418
11	22	930	1.656	3.259
11	22	940	1.284	2.103
11	22	950	1.217	2.418
11	22	1000	1.245	3.575

WIND SPEED AND DIRECTION
FOR THE MONTH OF OCTOBER

METEOROLOGICAL WIND DATA
AMBIENT AIR

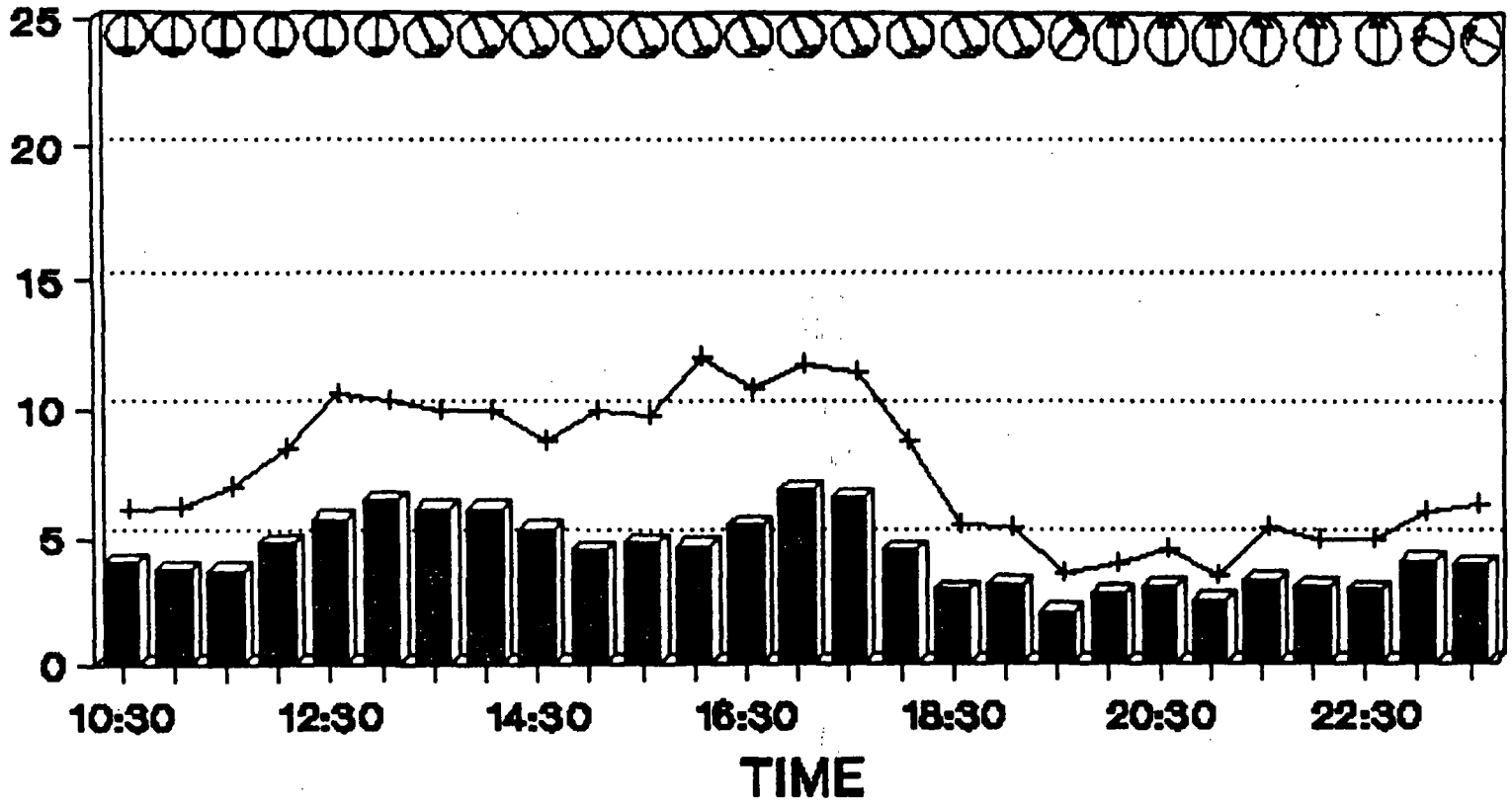
DATE		TIME	AVE WIND SPEED	WIND DIR	MAX WIND SPEED
10	8	1030	4.077	185.3	5.783
10	8	1100	3.762	195.9	5.888
10	8	1130	3.742	196.3	6.729
10	8	1200	4.838	181.2	8.2
10	8	1230	5.769	180.9	10.3
10	8	1300	6.528	183.6	9.99
10	8	1330	6.155	174	9.67
10	8	1400	6.156	159.2	9.67
10	8	1430	5.403	159.9	8.41
10	8	1500	4.585	173.6	9.67
10	8	1530	4.85	156.7	9.46
10	8	1600	4.709	176.1	11.78
10	8	1630	5.545	158.1	10.51
10	8	1700	6.906	164.3	11.46
10	8	1730	6.594	172.3	11.14
10	8	1800	4.564	172.9	8.41
10	8	1830	2.919	158.5	5.257
10	8	1900	3.13	161.6	5.152
10	8	1930	1.967	26.04	3.259
10	8	2000	2.733	9.36	3.68
10	8	2030	3.051	17.28	4.206
10	8	2100	2.449	5.095	3.154
10	8	2130	3.332	1.362	5.152
10	8	2200	3.026	0.172	4.626
10	8	2230	2.898	2.861	4.626
10	8	2300	4.102	335.6	5.678
10	8	2330	3.97	340.6	5.993

METEOROLOGICAL WIND DATA
AMBIENT AIR CONT'D

DATE		TIME	AVE WIND SPEED	WIND DIR	MAX WIND SPEED
10	9	0	3.37	352.1	5.467
10	9	30	3.859	339.3	5.888
10	9	100	3.382	350.7	4.626
10	9	130	1.585	48.56	3.47
10	9	200	1.934	203.9	3.259
10	9	230	0.789	14.73	1.893
10	9	300	2.165	1.346	3.89
10	9	330	3.342	2.904	4.521
10	9	400	3.349	355.3	4.836
10	9	430	3.594	350.4	5.152
10	9	500	4.043	352.8	4.836
10	9	530	3.76	355.1	4.836
10	9	600	4.428	344.3	6.098
10	9	630	3.374	346	5.678
10	9	700	4.164	345.9	6.203
10	9	730	4.501	348.5	6.414
10	9	800	3.752	351	5.047
10	9	830	4.676	328.4	7.04
10	9	900	4.237	326	6.308
10	9	930	2.686	158.7	4.626
10	9	1000	2.146	188.5	3.68
10	9	1030	3.204	182.2	5.572

MONITORING WIND CONDITIONS

October 8, 1991



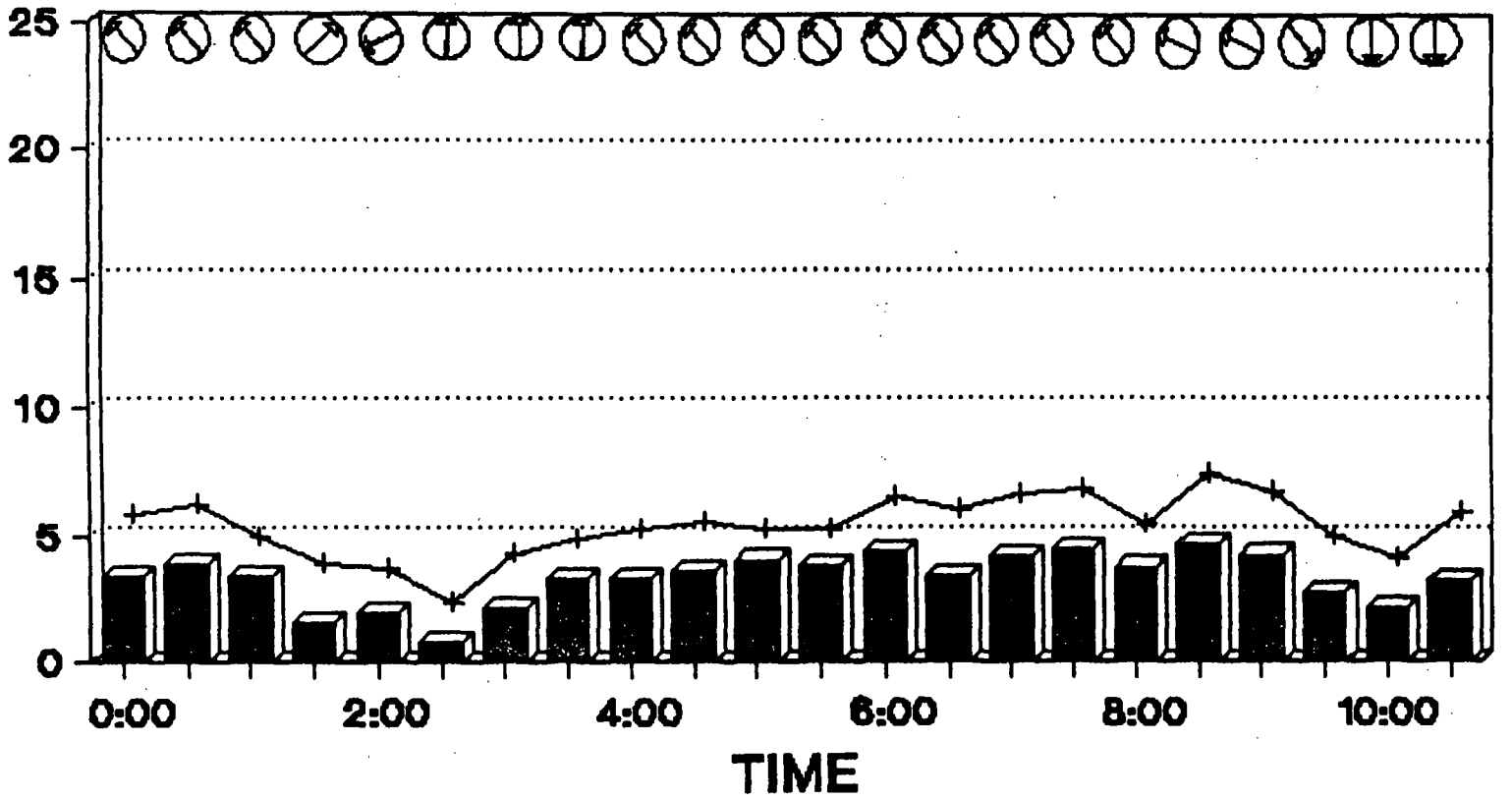
MEAN WIND SPEEDS — MAX. WIND SPEEDS

wind speed in mph

DUE NORTH

MONITORING WIND CONDITIONS

October 9, 1991



MEAN WIND SPEEDS MAX. WIND SPEEDS

wind speed in mph

DUE NORTH

METEOROLOGICAL WIND DATA
INTEGRATED SURFACE SAMPLING

DATE		TIME	AVE WIND SPEED	MAX WIND SPEED
10	8	630	2.47	3.47
10	8	640	3.156	4.1
10	8	650	3.782	6.308
10	8	700	2.712	3.785
10	8	710	2.897	4.1
10	8	720	1.969	4.206
10	8	730	2.369	3.89
10	8	740	2.189	3.049
10	8	750	0.92	1.998
10	8	800	1.453	2.103
10	8	810	1.476	2.734
10	8	820	2.03	2.734
10	8	830	1.625	2.944
10	8	840	2.341	3.364
10	8	850	1.589	2.734
10	8	900	2.431	3.259
10	8	910	2.087	2.839
10	8	920	1.655	2.313
10	8	930	1.069	2.313
10	8	940	0.92	1.998
10	8	950	1.775	5.362

METEOROLOGICAL WIND DATA
INTEGRATED SURFACE SAMPLING

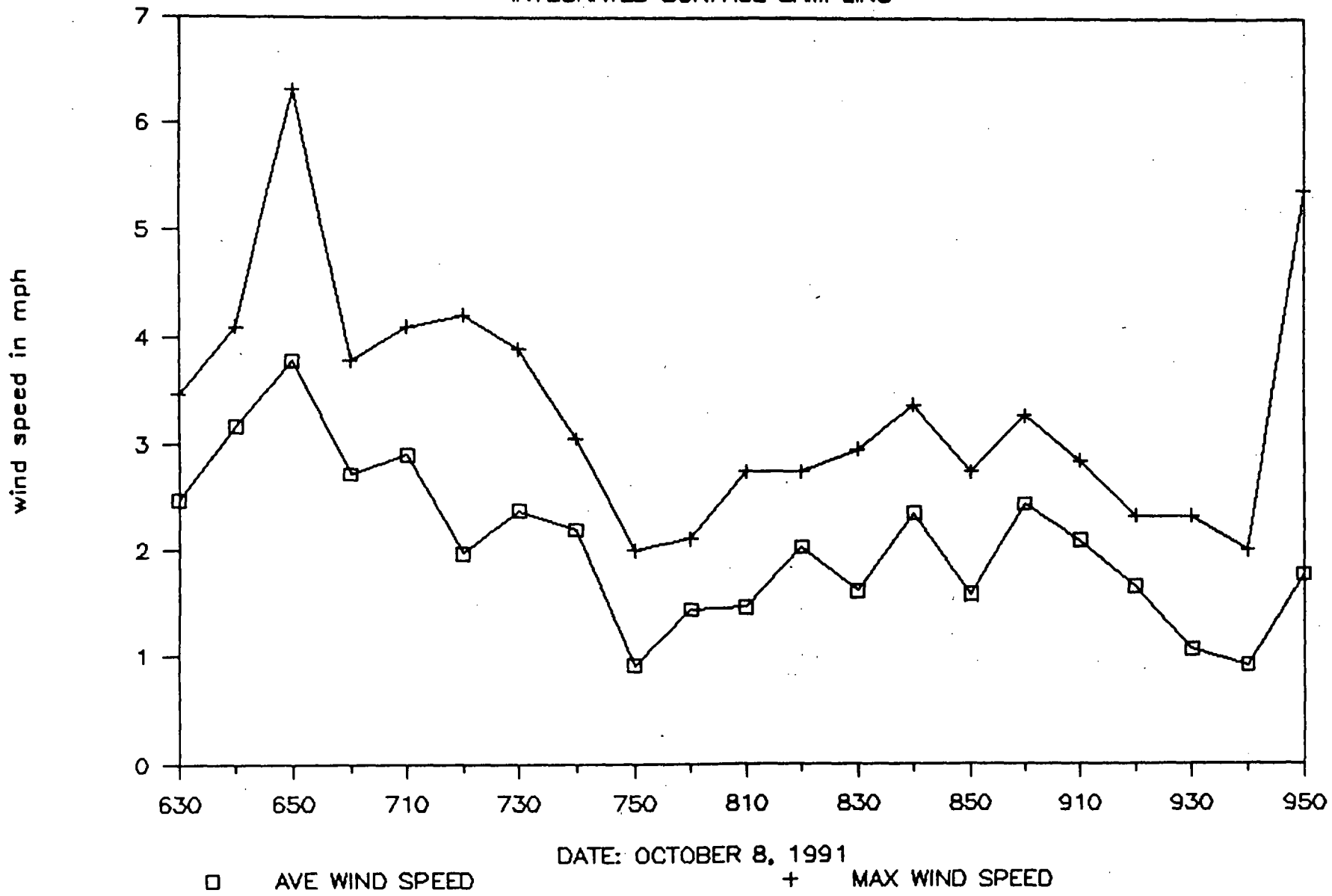
DATE		TIME	AVE WIND SPEED	MAX WIND SPEED
10	9	700	3.849	4.391
10	9	710	4.292	5.993
10	9	720	4.611	6.414
10	9	730	4.599	6.098
10	9	740	4.013	4.731
10	9	750	3.831	5.047
10	9	800	3.411	4.311
10	9	810	4.892	6.834
10	9	820	3.957	5.993
10	9	830	5.178	7.04
10	9	840	4.625	6.308
10	9	850	4.251	6.203
10	9	900	3.835	5.152
10	9	910	2.038	3.575
10	9	920	2.719	4.311
10	9	930	3.3	4.626
10	9	940	2.485	3.68
10	9	950	1.866	3.47
10	9	1000	2.086	3.47
10	9	1010	3.21	4.836

METEOROLOGICAL WIND DATA
INTEGRATED SURFACE SAMPLING

	DATE	TIME	AVE WIND SPEED	MAX WIND SPEED
10	10	800	3.717	5.678
10	10	810	4.353	6.624
10	10	820	4.617	6.308
10	10	830	4.898	6.414
10	10	840	4.344	5.467
10	10	850	4.182	5.467
10	10	900	3.165	4.836
10	10	910	4.813	6.203
10	10	920	4.084	8.52
10	10	930	4.757	8.62
10	10	940	5.168	8.1
10	10	950	5.253	7.68
10	10	1000	3.386	5.783
10	10	1010	2.487	4.311
10	10	1020	1.843	3.575
10	10	1030	2.352	5.467
10	10	1040	3.813	6.098
10	10	1050	4.161	8.52

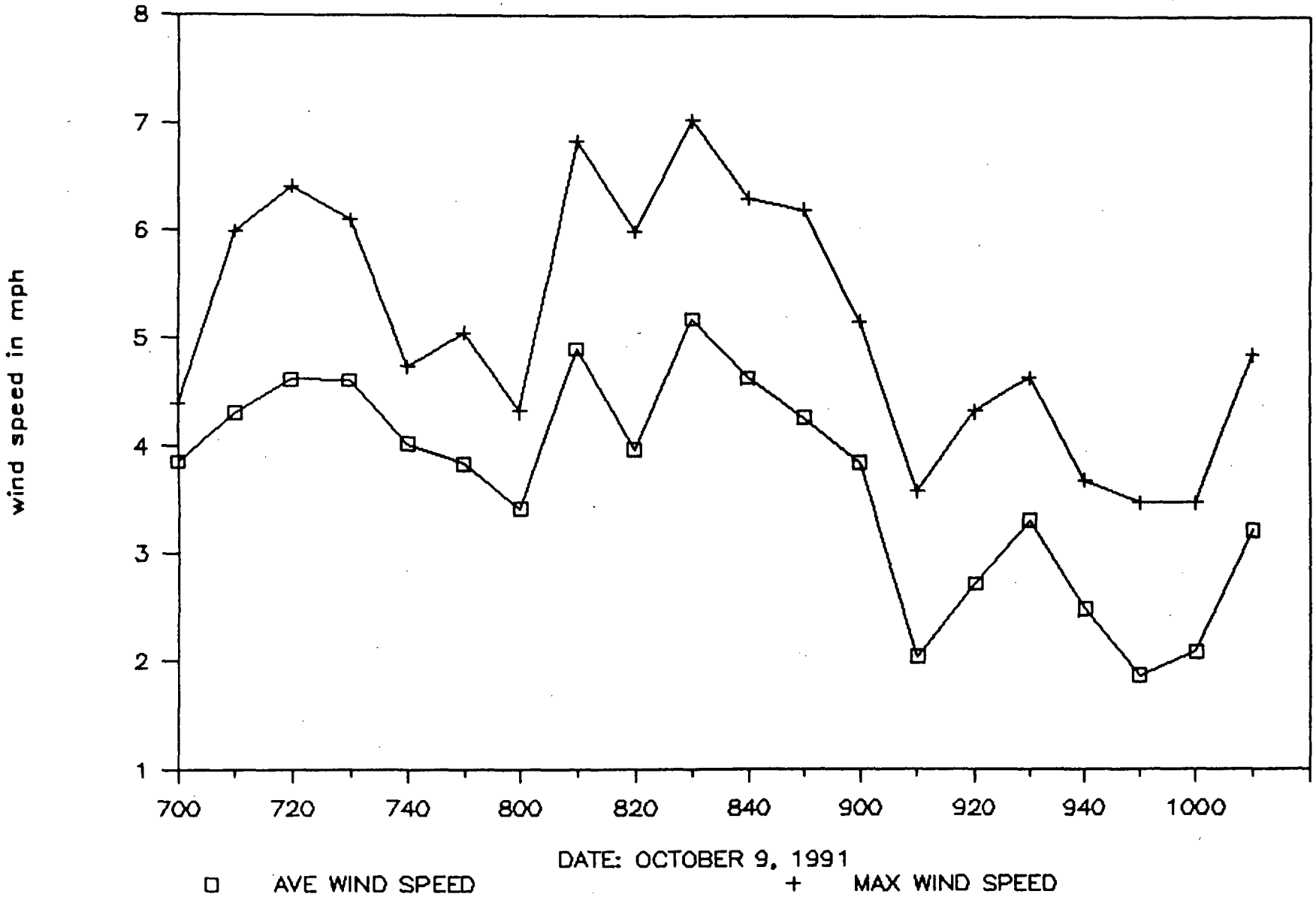
METEOROLOGICAL WIND DATA

INTEGRATED SURFACE SAMPLING



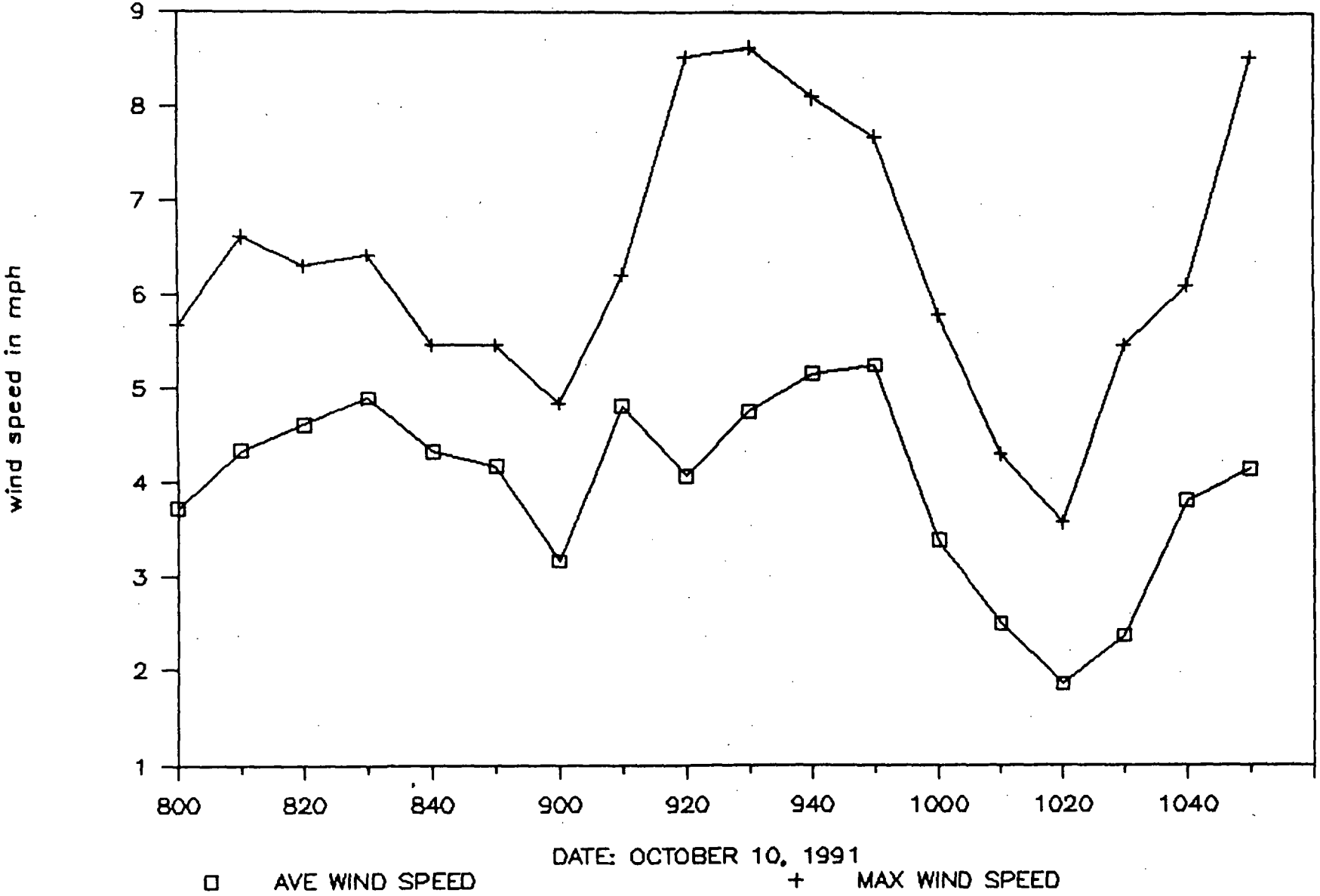
METEOROLOGICAL WIND DATA

INTEGRATED SURFACE SAMPLING



METEOROLOGICAL WIND DATA

INTEGRATED SURFACE SAMPLING



WIND SPEED AND DIRECTION
FOR THE MONTH OF SEPTEMBER

METEOROLOGICAL WIND DATA
AMBIENT AIR

DATE		TIME	AVE WIND SPEED	WIND DIR	MAX WIND SPEED
9	9	1000	3.07	137.4	8.83
9	9	1030	6.454	144.3	10.72
9	9	1100	8.44	139.1	13.35
9	9	1130	9.91	141.5	18.61
9	9	1200	8.97	173.2	16.3
9	9	1230	9.28	182.1	17.56
9	9	1300	8.62	174.2	16.19
9	9	1330	6.756	187.7	12.51
9	9	1400	7.36	192.9	11.36
9	9	1430	6.377	187.2	11.67
9	9	1500	7.68	187.8	14.3
9	9	1530	6.635	184.7	14.09
9	9	1600	6.363	181.2	15.67
9	9	1630	6.718	185	12.72
9	9	1700	6.23	178	11.99
9	9	1730	7.64	172.9	12.93
9	9	1800	9.38	187.3	16.61
9	9	1830	8.6	195.8	14.19
9	9	1900	8.48	191	11.88
9	9	1930	7.64	171.6	11.04
9	9	2000	7.38	154.5	11.88
9	9	2030	6.696	145.5	10.62
9	9	2100	6.447	136.7	10.51
9	9	2130	6.006	151.1	9.36
9	9	2200	5.911	155.9	9.57
9	9	2230	5.931	155.6	9.57
9	9	2300	6.614	169.3	10.2
9	9	2330	5.993	180.7	8.83

METEOROLOGICAL WIND DATA
AMBIENT AIR CONT'D

DATE		TIME	AVE WIND SPEED	WIND DIR	MAX WIND SPEED
9	10	0	6.132	179	8.94
9	10	30	5.616	174.9	9.36
9	10	100	5.657	175.8	9.04
9	10	130	5.03	173.6	8.73
9	10	200	5.609	194.5	9.36
9	10	230	4.303	219.2	7.68
9	10	300	3.053	203.3	5.888
9	10	330	3.35	160.2	5.678
9	10	400	2.372	137.1	5.257
9	10	430	1.566	103.6	3.68
9	10	500	1.349	188.9	2.944
9	10	530	1.082	222.7	2.839
9	10	600	0.426	350.2	1.472
9	10	630	1.162	356.2	2.313
9	10	700	1.595	19.88	2.313
9	10	730	1.184	15.79	2.628
9	10	800	1.056	22.52	2.418
9	10	830	1.881	25.26	3.995
9	10	900	2.013	64.9	4.731
9	10	930	3.121	129.8	8.31
9	10	1000	4.851	161.1	9.67

APPENDIX C

ISS AND AMBIENT AIR SITE PLAN MAPS

PARTIALLY SCANNED
OVERSIZE ITEM(S)

See document # 2199226
for partially scanned image(s).

10 OF 12 + 11 OF 12

For complete hardcopy version of the oversize document
contact the Region IX Superfund Records Center at
(415) 536-2000

INTEGRATED SURFACE SAMPLING

SAMPLE LOCATION	SAMPLE IDENTIFICATION
<u>September</u>	<u>September</u>
Sample I.D. No. VR092	I.S.S. Grid No. 05
Sample I.D. No. VR110	I.S.S. Grid No. 12
<u>October</u>	<u>October</u>
Sample I.D. No. VR112	I.S.S. Grid No. 12
Sample I.D. No. VR098	I.S.S. Grid No. 04
<u>November</u>	<u>November</u>
Sample I.D. No. VR111	I.S.S. Grid No. 10
Sample I.D. No. VR119	I.S.S. Grid No. 13

ISS AND AMBIENT AIR SITE PLAN

FOR THE MONTH OF SEPTEMBER

SEPTEMBER AMBIENT AIR SAMPLE SUMMARY

Sample Location	Sample Identification
Upwind 24-Hour	Sample I.D. No. VR107
Upwind less than 24-Hour	Sample I.D. No. VR109
Downwind 24-Hour	Sample I.D. No. VR108
Downwind less than 24-Hour	Sample I.D. No. VR106
Duplicate Downwind <24 Hour	Sample I.D. No. VR105

ISS AND AMBIENT AIR SITE PLAN

FOR THE MONTH OF OCTOBER

OCTOBER AMBIENT AIR SAMPLE SUMMARY

Sample Location	Sample Identification
Upwind 24-Hour	Sample I.D. No. VR093
Upwind less than 24-Hour	Sample I.D. No. VR107
Downwind 24-Hour	Sample I.D. No. VR097
Downwind less than 24-Hour	Sample I.D. No. VR095
Duplicate Downwind <24 Hour	Sample I.D. No. VR000

ISS AND AMBIENT AIR SITE PLAN

FOR THE MONTH OF NOVEMBER

NOVEMBER AMBIENT AIR SAMPLE SUMMARY

Sample Location	Sample Identification
Upwind 24-Hour	Sample I.D. No. VR114
Upwind less than 24-Hour	Sample I.D. No. VR118
Downwind 24-Hour	Sample I.D. No. VR116
Downwind less than 24-Hour	Sample I.D. No. VR115
Duplicate Downwind <24 Hour	Sample I.D. No. VR000

APPENDIX D

FIELD RECORD LOGS

FIELD AND CALIBRATION DATA LOGS FOR

MONTH OF NOVEMBER

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DDAGAM

site location 234

sample location GRID #1

bag number VR105

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/21 TIME: 7:35 PROGRAM STOP: DATE 11/21 TIME: 8:10

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/mn Stop: .36L/mn

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG Background

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

sample location GRID #2

bag number VRO 81

site location ~~Grid 2~~ 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/21 TIME: 7:40 PROGRAM STOP: DATE 11/21 TIME: 8:05

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: 3 L/m Stop: 3 L/m

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG BACKGROUND

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location GRID #3

bag number VP067

sampler number

SAMPLE TYPE: AMBIENT AIR / ~~ISS~~ / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/21 TIME: 8:20 PROGRAM STOP: DATE 11/21 TIME: 8:45

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36/min Stop: .36/min

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG Background

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location ~~Grid 4~~ 234

sample location ~~234~~ GRD 4

bag number VR101

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/21 TIME: 8:20 PROGRAM STOP: DATE 11/21 TIME: 8:45

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: .36 L/min Stop: .36 L/min

BAROMETER Start: 29.87 Stop: 29.87

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG Background

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAKART

site location 234

sample location GMD #5

bag number VR090

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/21 TIME: 8:50 PROGRAM STOP: DATE 11/21 TIME: 9:15

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/min Stop: .36L/min

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG BACKGROUND

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 834

sample location Grid 6

bag number VRD99

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/21 TIME: 8:30 PROGRAM STOP: DATE 11/21 TIME: 8:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: .36 L/m Stop: .36 L/m

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG Background

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAM

site location 234

sample location GRID #7

bag number VR102

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/21 TIME: 9:25 PROGRAM STOP: DATE 11/21 TIME: 9:50

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/min Stop: .36L/min

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG BACKGROUND

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

sample location Grid 8

bag number VR094

site location

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/2 TIME: 9.05 PROGRAM STOP: DATE 11/2 TIME: 9:30

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: .5 6L/min Stop: .36L/min

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG ~½ ppm above background

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 274

sample location RMD #9

bag number YR122

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/22 TIME: 730 PROGRAM STOP: DATE 11/22 TIME: 7:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: 36L/min Stop: 36L/min

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG BACKGROUND

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 10

bag number VR 111

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/22 TIME: 7:30 PROGRAM STOP: DATE 11/22 TIME: 7:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36 L/mn Stop: .36 L/mn

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 1ppm above background of 3ppm

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location GRID #11

bag number VR120

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/22 TIME: 8:05 PROGRAM STOP: DATE 11/22 TIME: 8:30

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 20

FLOW RATE SETTING Start: .36L/min Stop: .36L/min

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG .5ppm ABOVE BACKGROUND

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 12

bag number unlot

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/22 TIME: 8:05 PROGRAM STOP: DATE TIME: 830

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop: 20

FLOW RATE SETTING Start: .36l/mn Stop: .36l/mn

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG Background

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Dragan

site location 234

sample location GRID 13

bag number NR119

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/22 TIME: 8:45 PROGRAM STOP: DATE 11/22 TIME: 9:10

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/min Stop: .36L/min

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG < 1 ppm above background of 3ppm

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel WILSON

sample location GRID #14

bag number 1R113

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / (BS) / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/22 TIME: 8:40 PROGRAM STOP: DATE 11/22 TIME: 9:05

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: .36L/m Stop: .36L/m

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG Background

BATTERY CHECK: (OK) LOW

TEDLAR BAG VALVE: (OPEN) CLOSED

LEAK CHECK: (PASS) FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location EAST-2-SHALLOW

bag number VR102

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES / HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/25/91 TIME: 2:45 PROGRAM STOP: DATE 11/25/91 TIME: 2:55

PROGRAM TIMER SETTING: / ACTUAL TIME: /

ROTOMETER SETTING Start: 25 Stop: 25

FLOW RATE SETTING Start: 1L/min Stop: 1L/min

BAROMETER Start: 29.27 Stop: 29.97

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG ~1% CH_4

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
E-2-S			1		+0.01				

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

sample location PROBE EAST-B-DEEP

bag number VR090

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES / HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/25 TIME: 3:07 PROGRAM STOP: DATE 11/25 TIME 3:17

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	25	Stop:	25
FLOW RATE SETTING Start:	1 L/min	Stop:	1 L/min

BAROMETER Start: 29.97 Stop: 29.97

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 15% CH_4

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRUGAN

site location 234

sample location D.W. <24 HRS

bag number VR115

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/26 TIME: 0:00 PROGRAM STOP: DATE 11/26 TIME: 06:00

PROGRAM TIMER SETTING: 9:50 ACTUAL TIME: 9:50

ROTOMETER SETTING Start: 100 Stop: 100

FLOW RATE SETTING Start: 28cc/min Stop: 28cc/min

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location U.W. < 24HRS

bag number YR11 B

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 4/26 TIME: 0:00 PROGRAM STOP: DATE 11/26 TIME: 06:00

PROGRAM TIMER SETTING: 9:40 ACTUAL TIME: 9:40

ROTOMETER SETTING Start: 100	Stop: 100
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

sample location UW. 24 HR

bag number VR114

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/25 TIME: 10:30 PROGRAM STOP: DATE 11/26 TIME: 10:30

PROGRAM TIMER SETTING: 10:00 ACTUAL TIME: 10:00

ROTOMETER SETTING Start: 30	Stop: 30
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK	LOW	TEDLAR BAG VALVE: OPEN	CLOSED

LEAK CHECK:	PASS	FAIL

OBSERVATIONS: A.A. STATION SET UP IS LOCATED ON THE EAST SOUTH SECTION OF THE LANDFILL 15 YARDS FROM THE ROLL OFF STORAGE AREA. TRUCK TRAFFIC IN THE MORNING OBSERVED IN AREA - GASEOUS ODORS DETECTED FROM THE VENTS

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location D.W. 24 WONA

bag number VR116

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 11/25 TIME: 10:40 PROGRAM STOP: DATE 11/26 TIME: 10:40

PROGRAM TIMER SETTING: 9:53 ACTUAL TIME: 9:53

ROTOMETER SETTING Start: 30	Stop: 30
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS: SYLMAR BRUSH FIRE IN BACKGROUND FOOTHILLS

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

sample location LFG

bag number VR099

site location L34

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 4/26 TIME: 10:00 PROGRAM STOP: DATE TIME:

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop: 25

FLOW RATE SETTING Start: 1L/min Stop: 1L/min

BAROMETER Start 29.97 Stop: 29.97

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG ~ 46% CH_4

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: PERIMETER PROBES

OPERATOR: DRAGAN

DATE: 11/25/91 **Start** 11:30 **Finish** 11:45

Model # NP204
Serial # _____

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery Test	Pass/Fail	Perform Three Point Internal Calibration Before Use.
Reading Following Ignition	____ppm	**CALIBRATION CHECK**
Leak Test	Pass/Fail	
Clean System Check (Check Valve Chatter)	Pass/Fail	
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	Pass/Fail	

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
2.5%	2.8%		
50%	53%		

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.			
2.			

Instrument calibrated to CH_4 gas

COMMENTS: CALIBRATED THE NP204 WITH 2.5% + 50% CH_4 PRIOR TO THE PROBE READINGS.

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 23A

PURPOSE: ISS BAG CHECK

OPERATOR: DRAGAN / WILSON

DATE: 11/21/91 **Start** 11:30 **Finish** 11:45

Model # CENTURY 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	3.6 ppm
Leak Test	(Pass)/Fail
Clean System Check (Check Valve Chatter)	(Pass)/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	(Pass)/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
10		PASSED	3.6
95		↓	↓
900			

AUDIT

	Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	12:30	10	10	100
		95	94	99
		900	900	100
2.				

Instrument calibrated to CH4 gas

COMMENTS:

FIELD AND CALIBRATION DATA LOGS FOR

MONTH OF OCTOBER

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location GRID #1

bag number VR102

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/8 TIME: 6:50 PROGRAM STOP: DATE 10/8 TIME: 7:15

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/m Stop: .36L/m

BAROMETER Start: 29.97 Stop: 29.97

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Mark Adams

site location 234

sample location Grid # 2

bag number VR67

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/8 TIME: 0653 PROGRAM STOP: DATE 10/8 TIME: 0718

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/min Stop: .36L/min

BAROMETER Start: 29.97 Stop: 29.97

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location D.W. 24HRS

bag number V2097

sampler number 9003

10/8 MMA

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/8 TIME: 1030 PROGRAM STOP: DATE 10/9 TIME: 1030

PROGRAM TIMER SETTING: 1009 ACTUAL TIME: 1009

ROTOMETER SETTING Start: 30 Stop: 30

FLOW RATE SETTING Start: 6.9 cfm Stop: 6.9 cfm

BAROMETER Start: 29.97 Stop: 29.91

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location UW. 24HRS

bag number V293

sampler number 9002

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/8 TIME: 1030 PROGRAM STOP: DATE 10/9 TIME: 1030

PROGRAM TIMER SETTING: 1027 ACTUAL TIME: 1027

ROTOMETER SETTING Start: 30 Stop: 30

FLOW RATE SETTING Start: 28cc/min Stop: 28cc/m

BAROMETER Start: 29.97 Stop: 29.96

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location D.W. < 24 HRS

bag number V R096

sampler number 9004

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/9 TIME: 0100 PROGRAM STOP: DATE 10/9 TIME: 0700

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 100 Stop: 100

FLOW RATE SETTING Start: 28 cc/m Stop: 28 cc/m

BAROMETER Start: 29.96 Stop: 29.99

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

sample location COLLECTION SYSTEM

bag number JR084

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/24 TIME 3:58 PROGRAM STOP: DATE 10/2 TIME: 4:08

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25	Stop: 25
FLOW RATE SETTING Start: 1L/min	Stop: 1L/min

BAROMETER Start: 29.86 Stop: 29.86

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG ~45%

BATTERY CHECK: OK LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

sample location D.W. 24HRS

bag number V2097

site location 234

sampler number 9003

10/8 MMA

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/8 TIME: 1030 PROGRAM STOP: DATE 10/9 TIME: 1030

PROGRAM TIMER SETTING: 1009 ACTUAL TIME: 1009

ROTOMETER SETTING Start: 30 Stop: 30

FLOW RATE SETTING Start: 6.9 cfm Stop: 6.9 cfm

BAROMETER Start: 29.97 Stop: 29.91

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location UW. 24HRS

bag number V293

sampler number 9002

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/8 TIME: 1030 PROGRAM STOP: DATE 10/9 TIME: 1030

PROGRAM TIMER SETTING: 1027 ACTUAL TIME: 1027

ROTOMETER SETTING Start: 30 Stop: 30

FLOW RATE SETTING Start: 28cc/min Stop: 28cc/min

BAROMETER Start: 29.97 Stop: 29.96

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location D.W. < 24 HRS

bag number V R0916

sampler number 9004

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/9 TIME: 0100 PROGRAM STOP: DATE 10/9 TIME: 0700

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 100 Stop: 100

FLOW RATE SETTING Start: 2.8cc/m Stop: 2.8cc/m

BAROMETER Start: 29.96 Stop: 29.99

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

sample location COLLECTION SYSTEM

bag number JRC089

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/24 TIME 3:58 PROGRAM STOP: DATE 10/24 TIME: 4:08

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25	Stop: 25
FLOW RATE SETTING Start: 1L/min	Stop: 1L/min

BAROMETER Start: 29.86 Stop: 29.86

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG ~45%

BATTERY CHECK:	OK / LOW	TEDLAR BAG VALVE:	OPEN / CLOSED

LEAK CHECK: PASS / FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAKAN

site location 234

sample location W-10-M

bag number UNLOD

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES / HEAD SPACE / OVA SWEEP

PROGRAM START: DATE 12/29 TIME: 300 PROGRAM STOP: DATE TIME:

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop: 25

FLOW RATE SETTING Start: 1L/min Stop: 1L/min

BAROMETER Start: 29.86 Stop 29.86

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
W10M	13	+0.68							

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

sample location East 2s

bag number VM98

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES / HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/29 TIME: 3:30 PROGRAM STOP: DATE 10/29 TIME: 3:40

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop: 25

FLOW RATE SETTING Start: 1L/min Stop: 1L/min

BAROMETER Start: 29.86 Stop: 29.86

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG ~30

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
E.2s	30								

FIELD AND CALIBRATION DATA LOGS FOR

MONTH OF SEPTEMBER

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location GRID #1

bag number VRO52

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/10 TIME: 6:30 PROGRAM STOP: DATE 9/10 TIME: 6:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop:

FLOW RATE SETTING Start: Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 2

bag number V12082

sampler number

SAMPLE TYPE: AMBIENT AIR / LSS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/10 TIME: 6:30 PROGRAM STOP: DATE 9/10 TIME: 6:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: Stop:

FLOW RATE SETTING Start: Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Mark Adams

sample location Grid #3

bag number UK109

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/8 TIME: 0730 PROGRAM STOP: DATE 10/8 TIME: 0755

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/min Stop: .36L/min

BAROMETER Start: 29.97 Stop: 29.97

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAM

site location 234

sample location GRID #4

bag number UR87

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/8 TIME: 7:30 PROGRAM STOP: DATE 10/8 TIME: 7:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36/min Stop: .36/min

BAROMETER Start: 29.97 Stop: 29.97

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAH

site location 234

sample location GRID 5

bag number 0024

sampler number

SAMPLE TYPE: AMBIENT AIR / (ISS) / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/8 TIME: 8:10 PROGRAM STOP: DATE 10/8 TIME: 8:35

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36 l/min Stop: .36 l/min

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: (OK) LOW

TEDLAR BAG VALVE: (OPEN) CLOSED

LEAK CHECK: (PASS) / FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Mark Adams

sample location Grid # 6

bag number UN105

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / (SS) / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/8 TIME: 0815 PROGRAM STOP: DATE ~~08/10~~ 10/8 TIME: 0840

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36 L/min Stop: .36 L/min

BAROMETER Start: 29.97 Stop: 29.97

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: (OK) LOW

TEDLAR BAG VALVE: (OPEN) CLOSED

LEAK CHECK: (PASS) FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location GR10 #15

bag number UR81

sampler number 9v-1

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/10 TIME: 9:10 PROGRAM STOP: DATE 10/10 TIME: 9:35

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .36L/min Stop: .36L/min

BAROMETER Start: 29.99 Stop: 29.99

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel [illegible]

site location 234

sample location GRID 16

bag number VM101

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/10 TIME: 9:35 PROGRAM STOP: DATE 10/10 TIME: 10:00

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 70 Stop: 70

FLOW RATE SETTING Start: .36 l/min Stop: .36 l/min

BAROMETER Start: 29.99 Stop: 29.99

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location U.W. <24 HRL

bag number VR107

sampler number 9005

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/9 TIME: 0100 PROGRAM STOP: DATE 10/9 TIME: 700

PROGRAM TIMER SETTING: 10:13 ACTUAL TIME: 10:13

ROTOMETER SETTING Start: 100 Stop: 100

FLOW RATE SETTING Start: 28cc/mn Stop: 28cc/mn

BAROMETER Start: 2998 Stop: 2999

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location W-10-M

bag number UNLOD

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES / HEAD SPACE / OVA SWEEP

PROGRAM START: DATE 12/29 TIME: 300 PROGRAM STOP: DATE TIME:

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop: 25

FLOW RATE SETTING Start: 1L/min Stop: 1L/min

BAROMETER Start: 29.86 Stop 29.86

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
W10M	13	+0.68							

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAAN

sample location EAST 2S

bag number VM98

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES / HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 10/29 TIME: 3:30 PROGRAM STOP: DATE 10/29 TIME: 3:40

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop: 25

FLOW RATE SETTING Start: 1L/min Stop: 1L/min

BAROMETER Start: 29.86 Stop: 29.86

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG ~830

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS / FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME
E.2S	30								

FIELD AND CALIBRATION DATA LOGS FOR

MONTH OF SEPTEMBER

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location GRID #1

bag number VR052

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/10 TIME: 6:30 PROGRAM STOP: DATE 9/10 TIME: 6:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop:

FLOW RATE SETTING Start: Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 2

bag number V12082

sampler number

SAMPLE TYPE: AMBIENT AIR / LSS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/10 TIME: 6:30 PROGRAM STOP: DATE 9/10 TIME: 6:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	Stop:
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

sample location GR1012

bag number VR11D

site location

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/11 TIME: 800 PROGRAM STOP: DATE 9/11 TIME: 8:25

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	25	Stop:	
FLOW RATE SETTING Start:	.36	Stop:	.36

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

9

personnel DRAGAN

sample location GR1013

bag number VR102

site location

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/11 TIME: 8:30 PROGRAM STOP: DATE 9/11 TIME: 8:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:	.36	Stop:	.36

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location GR10/4

bag number VR112

sampler number

SAMPLE TYPE: AMBIENT AIR / SS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/11 TIME: 8:30 PROGRAM STOP: DATE 9/11 TIME: 8:55

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: Stop:

BAROMETER Start: Stop:

WIND SPEED AVE. <5mph

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAH

sample location GRID 3

bag number VR100

site location

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/10 TIME: 7:05 PROGRAM STOP: DATE 9/10 TIME: 7:30

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 5

bag number UN042

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/10 TIME: 745 PROGRAM STOP: DATE 9/10 TIME: 8:10

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:	.361	Stop:	.361

BAROMETER Start: Stop:

WIND SPEED AVE. <5mph

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAM

sample location GRID 6

bag number UR068

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 7/10 TIME: 7:45 PROGRAM STOP: DATE 7/10 TIME: 8:10

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: ~~25~~ 19 Stop: 19

FLOW RATE SETTING Start: .36 Stop: .36

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location 7

bag number V R0[illegible]

sampler number

SAMPLE TYPE: AMBIENT AIR / SST / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/10 TIME: 8:25 PROGRAM STOP: DATE 9/10 TIME: 8:50

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: Stop:

BAROMETER Start: Stop:

WIND SPEED AVE. <5mph

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN, CLOSED

LEAK CHECK: PASS, FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAM

sample location GR10 B

bag number VR101

site location

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/10 TIME: 8:25 PROGRAM STOP: DATE 9/10 TIME: 8:50

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop:

FLOW RATE SETTING Start: Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

sample location Gr.9

bag number UR113

site location 234

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/11 TIME: 7:00 PROGRAM STOP: DATE 9/11 TIME: 7:25

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:	.36	Stop:	.36

BAROMETER Start: Stop:

WIND SPEED AVE. 25

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location GRID 1P

bag number UR091

sampler number

SAMPLE TYPE: AMBIENT AIR / (SS) LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/11 TIME: 7:00 PROGRAM STOP: DATE 9/11 TIME: 7:25

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:	.36	Stop:	.36

BAROMETER Start: Stop:

WIND SPEED AVE. <5

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: (OK) LOW | TEDLAR BAG VALVE: (OPEN) CLOSED

LEAK CHECK: (PASS) FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 11

bag number VR090

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/1/ TIME: 8:00 PROGRAM STOP: DATE 9/1/ TIME: 8:25

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop: 19

FLOW RATE SETTING Start: Stop:

BAROMETER Start: Stop:

WIND SPEED AVE: <5

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK / LOW

TEDLAR BAG VALVE: OPEN / CLOSED

LEAK CHECK: PASS / FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location PROBE-E 8d

bag number VR077

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/17/9 TIME: 3:00 PROGRAM STOP: DATE 9/17/9 TIME: 3:10

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop: 25

FLOW RATE SETTING Start: 1L/MIN Stop: 1L/MIN

BAROMETER Start: 29.83 Stop: 29.83

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG ~ 25%

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS: PROBE E-8d PRESSURE +0.34 + 25% CH_4

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid

bag number VF087

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/10 TIME: 7:05 PROGRAM STOP: DATE 9/10 TIME: 7:30

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	19
FLOW RATE SETTING Start:	.361	Stop:	.361

BAROMETER Start: Stop:

WIND SPEED AVE. <5mph

CONC. METHANE IN TEDLAR BAG 0

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location DW 24 HRS

bag number VR108

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/9 TIME: 10:00 PROGRAM STOP: DATE 9/10 TIME: 10:00

PROGRAM TIMER SETTING: 2:23 ACTUAL TIME: 2:23

ROTOMETER SETTING Start: 30	Stop:	
FLOW RATE SETTING Start:	Stop:	

BAROMETER Start: 29.35 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW | TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location U.W. <24 HRS

bag number VR109

sampler number

SAMPLE TYPE: AMBIENT AIR / HSS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/10 TIME: 1200AM PROGRAM STOP: DATE 9/10 TIME: 600 AM

PROGRAM TIMER SETTING: 233 ACTUAL TIME: 233

ROTOMETER SETTING Start: 100	Stop:
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location DUPLICATE D.W. 24HR

bag number VT105

sampler number

SAMPLE TYPE: AMBIENT AIR / LSS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/10 TIME: 0:00 PROGRAM STOP: DATE 9/10 TIME: 6:00

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 100	Stop:
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: 29.95 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE [W.C.]	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location D.W <24HR

bag number VR106

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/10 TIME: 000 PROGRAM STOP: DATE 9/10 TIME: 0600

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 100	Stop:
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: 29.95 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK:	OK LOW	TEDLAR BAG VALVE:	OPEN CLOSED

LEAK CHECK:	PASS	FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location UW 24 HRS

bag number VR107

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/9 TIME: 1000 PROGRAM STOP: DATE 9/10 TIME: 1000

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 30	Stop:
FLOW RATE SETTING Start:	Stop:

BAROMETER Start: 29.98 Stop: ~~[illegible]~~

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK:	OK	LOW	TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK:	PASS	FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location GAS PROBE E-25

bag number YRD78

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES / HEAD SPACE / OVA SWEEP

PROGRAM START: DATE 9/17/91 TIME: 4:23 PROGRAM STOP: DATE 9/17 TIME: 4:33

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: Stop:

FLOW RATE SETTING Start: 1L/min Stop: 1L/min

BAROMETER Start: Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS: NP204 READINGS - 3% CH_4

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

site location 234

sample location LFG

bag number VR057.5

sampler number

SAMPLE TYPE: AMBIENT AIR / ISS / LFG / PROBES/ HEAD SPACE/ OVA SWEEP

PROGRAM START: DATE 9/17/9 TIME: 3:42 PROGRAM STOP: DATE 9/17 TIME: 3:52

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop: 25

FLOW RATE SETTING Start: 1L/min Stop: 1L/min

BAROMETER Start: 29.80 Stop: 29.80

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 45% CH_4

BATTERY CHECK: OK LOW

TEDLAR BAG VALVE: OPEN CLOSED

LEAK CHECK: PASS FAIL

OBSERVATIONS:

SAMPLE POINT	CH_4 PPM	% LEL	CH_4 % VOLUME	% O_2	PRESSURE (W.C.)	EVACUATION TIME		BAG I.D. NO.	TESTING TIME

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: ISS

OPERATOR: Wilson

DATE: 9/10/91 **Start** 9:55 • **Finish** 10:00

Model # Century 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	5 ppm
Leak Test	Pass/Fail
Clean System Check (Check Valve Chatter)	Pass/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	Pass/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
900	900	100%	5
95	95	100%	5
10	10	100%	5

AUDIT

	Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	10:07	900	900	100%
2.	↓	95	95	↓
3.	↓	10	10	

Instrument calibrated to CH4 gas

COMMENTS:

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: ISS BAG CHECK

OPERATOR: DRAGAN

DATE: 9/11/91 Start 1200 Finish 1210

Model # CENTURY OVA128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	7.4 ppm
Leak Test	Pass/Fail
Clean System Check (Check Valve Chatter)	Pass/Fail
H_2 Supply Pressure Gauge (Acceptable Range 9.5-12)	Pass/Fail

INSTRUMENT CALIBRATION

Perform Three Point Internal Calibration Before Use.

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy	Ambient (ppm)
10	10		4.5
95	95		4.5
900	900		4.5

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 12:25	10	10	100
	95	95	
	900	900	
2.			

Instrument calibrated to CH_4 gas

COMMENTS:

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 81481460-01
AtmAA Lab No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR116	1.90	1.91	1.90	0.26
TGNMO	VR116	2.36	2.25	2.30	2.4
		(Concentration in ppb, v/v)			
Acetonitrile	VR114	<0.8	<0.8	---	---
	VR116	<0.8	<0.8	---	---
	VR118	<0.8	<0.8	---	---
Benzene	VR116	1.57	1.62	1.60	1.6
Benzylchloride	VR116	<0.8	<0.8	---	---
Chlorobenzene	VR116	<0.1	<0.1	---	---
Dichlorobenzenes*	VR116	<1.1	<1.1	---	---
1,1-dichloroethane	VR116	<0.4	<0.4	---	---
1,2-dichloroethane	VR116	<0.2	<0.2	---	---
1,1-dichloroethylene	VR115	<0.1	<0.1	---	---
Dichloromethane	VR114	1.02	1.00	1.01	0.99
Perchloroethene	VR116	0.32	0.31	0.32	1.6
Carbon Tetrachloride	VR116	0.10	0.10	0.10	0.0
Toluene	VR116	4.12	4.04	4.08	0.98
1,1,1-trichloroethane	VR116	4.31	4.31	4.31	0.0
Trichloroethene	VR116	<0.06	<0.06	---	---
Chloroform	VR116	<0.08	<0.08	---	---

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Run #1	Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Vinyl Chloride	VR115	< 0.1	< 0.1	---	---
m + p-xylenes	VR116	2.70	2.68	2.69	0.37
o-xylene	VR116	0.85	0.85	0.85	0.0

A set of 4 Tedlar bag samples laboratory numbers, 93301-(10-13) was analyzed for SCAQMD Rule 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 10 repeat measurements from the sample set of 4 Tedlar bag samples is 0.82%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA Environmental Mgmt. Dept.	ATMAA INC	No.

Site/Facility # BRADLEY LANDFILL / 234

~~Site Name~~ 9188 ALLEN OAKS BLVD SUN VALLEY CA 91352

Sampler: (Signature) [signature]

Bag Identification Number	Date	Time	Type Of Sample	Analyses: METHANE	T.G.N.M.O.	H_2S	1150.1 AIR TOXICS	A MAJOR GASES		Field Testing			Field Comments	Lab* Comments
VR099	11/26/91	10:00	LFG.	X	X	X	X	X						93301-9
VR114	11/26/91	11:00	A.A. UPWIND 24 HOURS	X	X		X							10
VR115	11/26/91	6:00	A.A. DOWNWIND <24 HR	X	X		X							11
VR116	11/26/91	11:00	A.A. DOWNWIND 24 HOUR	X	X		X							12
VR118	11/26/91	600	A.A. UPWIND <24 HOUR	X	X		X							13

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/26/91	11:00	Susan Kilgore	11-26-91	11:30
Susan Kilgore	11-26-91	11:55	[signature]	11/26/91	1155
			Received for Laboratory: (Signature)		

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 81481460-01
AtmAA Lab No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR116	1.90	1.91	1.90	0.26
TGNMO	VR116	2.36	2.25	2.30	2.4
		(Concentration in ppb, v/v)			
Acetonitrile	VR114	<0.8	<0.8	---	---
	VR116	<0.8	<0.8	---	---
	VR118	<0.8	<0.8	---	---
Benzene	VR116	1.57	1.62	1.60	1.6
Benzylchloride	VR116	<0.8	<0.8	---	---
Chlorobenzene	VR116	<0.1	<0.1	---	---
Dichlorobenzenes*	VR116	<1.1	<1.1	---	---
1,1-dichloroethane	VR116	<0.4	<0.4	---	---
1,2-dichloroethane	VR116	<0.2	<0.2	---	---
1,1-dichloroethylene	VR115	<0.1	<0.1	---	---
Dichloromethane	VR114	1.02	1.00	1.01	0.99
Perchloroethene	VR116	0.32	0.31	0.32	1.6
Carbon Tetrachloride	VR116	0.10	0.10	0.10	0.0
Toluene	VR116	4.12	4.04	4.08	0.98
1,1,1-trichloroethane	VR116	4.31	4.31	4.31	0.0
Trichloroethene	VR116	<0.06	<0.06	---	---
Chloroform	VR116	<0.08	<0.08	---	---

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Run #1	Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Vinyl Chloride	VR115	< 0.1	< 0.1	---	---
m + p-xylenes	VR116	2.70	2.68	2.69	0.37
o-xylene	VR116	0.85	0.85	0.85	0.0

A set of 4 Tedlar bag samples laboratory numbers, 93301-(10-13) was analyzed for SCAQMD Rule 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 10 repeat measurements from the sample set of 4 Tedlar bag samples is 0.82%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA **Environmental Mgmt. Dept.**	ATMAR INC	**No.**

Site/Facility # BRADLEY LANDFILL / 234

~~Site Name~~ 9188 ALLEY OAKS BLVD SUN VALLEY CA 91352

Sampler: (Signature) [signature]

Bag Identification Number	Date	Time	Type Of Sample	METHANE	T.G.N.M.O.	H_2S	1150.1 AIR TOXICS	A MASON GASES					Field Comments	Lab* Comments
VR099	11/26/91	10:00	LFG.	X	X	X	X	X						93301-9
VR114	11/26/91	11:00	A.A. UPWIND 24 HOURS	X	X		X							10
VR115	11/26/91	6:00	A.A. DOWNWIND <24 HR	X	X		X							11
VR116	11/26/91	11:00	A.A. DOWNWIND 24 HOUR	X	X		X							12
VR118	11/26/91	600	A.A. UPWIND < 24 HOUR	X	X		X							13

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/26/91	11:00	Susan Kilgore	11-26-91	11:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Susan Kilgore	11-26-91	11:55	[signature]	11/26/91	1155
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants
Analysis in Tedlar Bag Samples

Report Date: December 3, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: November 22, 1991
Date Analyzed: November 22, 1991

AtmAA Lab No.:	93261-10	93261-11
Sample I.D.:	VR-111 ISS Grid #10	VR-119 ISS Grid #13
Components:	(Concentration in ppm, v/v)	
Methane	3.45	2.80
TGNMO	1.36	2.53
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	2.77	3.06
Benzylchloride	<0.8	<0.8
Chlorobenzene	<0.1	<0.1
Dichlorobenzenes*	<1.1	<1.1
1,1-dichloroethane	<0.4	<0.4
1,2-dichloroethane	<0.2	<0.2
1,1-dichloroethylene	<0.1	<0.1
Dichloromethane	1.06	1.71
Perchloroethene	0.54	1.47
Carbon Tetrachloride	0.10	0.10
Toluene	3.57	3.83
1,1,1-trichloroethane	17.4	29.0
Trichloroethene	0.19	0.16
Chloroform	0.10	<0.08
Vinyl Chloride	<0.1	<0.1
m + p-xylenes	3.12	3.40
o-xylene	1.05	1.16

* total amount containing meta, para, and ortho isomers
TGNMO is total gaseous non-methane organics reported as ppm methane

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 81481460-01
AtmAA No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR-111	3.46	3.44	3.45	0.29
TGNMO	VR-111	1.36	1.35	1.36	0.37
		(Concentration in ppb, v/v)			
Acetonitrile	VR-119	<0.8	<0.8	—	—
Benzene	VR-119	2.96	3.17	3.06	3.4
Benzylchloride	VR-119	<0.8	<0.8	—	—
Chlorobenzene	VR-119	<0.1	<0.1	—	—
Dichlorobenzenes*	VR-119	<1.1	<1.1	—	—
1,1-dichloroethane	VR-119	<0.4	<0.4	—	—
1,2-dichloroethane	VR-119	<0.2	<0.2	—	—
1,1-dichloroethylene	VR-119	<0.1	<0.1	—	—
Dichloromethane	VR-119	1.73	1.69	1.71	1.2
Perchloroethene	VR-119	1.50	1.44	1.47	2.0
Carbon Tetrachloride	No Repeat				
Toluene	VR-119	3.82	3.84	3.83	0.26
1,1,1-trichloroethane	VR-119	29.1	29.0	29.0	0.17
Trichloroethene	VR-119	0.16	0.16	0.16	0.0
Chloroform	VR-119	<0.08	<0.08	—	—

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Run #1	Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Vinyl Chloride	VR-119	< 0.1	< 0.1	---	---
m + p-xylenes	VR-119	3.45	3.36	3.40	1.3
o-xylene	VR-119	1.18	1.13	1.16	2.2

A set of 2 Tedlar bag samples laboratory numbers, 93261-(10 & 11) was analyzed for SCAQMD Rule 1150.1 contaminants, methane & TGNMO. Agreement between repeat analyses is a measure of presicion and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 10 repeat measurements from the sample set of 2 Tedlar bag samples is 1.1%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA **Environmental Mgmt. Dept.**	ATMA Inc.	**No.**

Site/Facility # 234

Site Name Valley Reclamation

Sampler: (Signature) Cozetta Wilson

Bag Identification Number	Date	Time	Type Of Sample	TGNMO	11so.1 Air Toxics	Methane		Atm AA #					Field Comments Atm AA Lab #	Lab* Comments
VR111	11/22	8:05	ISS	X	X	X		93261	-	10			93261-10	Grid 10
VR119	11/22	9:00	ISS	X	X	X			-	11			93261-11	Grid #13

Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
Cozetta Wilson	11/22/91	12:10			
Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
Relinquished by: (*Signature*)	Date	Time	Received ~~for Laboratory~~: (*Signature*)	Date	Time
			Karen Porter	11/22/91	12:05

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: December 7, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: November 25, 1991
Date Analyzed: November 25, 1991

AtmAA Lab No.:	93301-1	93301-2	93301-9
Sample I.D.:	VR090	VR102	VR099
	Gas Probe	Gas Probe	LFG
	E. 8 Deep	E. 2 Shallow	
Components:	(Concentration in %, v/v)		
Nitrogen			35.2
Oxygen			6.94
Methane	17.3		28.4
Carbon Dioxide			27.0
	(Concentration in ppm, v/v)		
Methane		1140	
TGNMO	212	2.91	5840
	(Concentration in ppb, v/v)		
Acetonitrile	<0.8	<0.8	10.8
Benzene	49.7	2.96	1930
Benzylchloride	<0.8	<0.8	<20
Chlorobenzene	<0.5	<0.1	1300
Dichlorobenzenes*	<1.1	<1.1	510
1,1-dichloroethane	73.0	<20	3880
1,2-dichloroethane	152	<20	396
1,1-dichloroethylene	96.3	<4	493
Dichloromethane	<60	<60	7400
Perchloroethene	419	2.50	13900
Carbon Tetrachloride	<0.05	0.089	<1
Toluene	7.24	8.08	67400
1,1,1-trichloroethane	1.96	5.51	45.0
Trichloroethene	196	0.36	4510
Chloroform	5.16	<1	<2
Vinyl Chloride	562	<2	1920
m + p-xylenes	6.99	1.07	10300
o-xylene	20.1	1.24	7420

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.
* total amount containing meta, para, and ortho isomers

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 81481460-01
AtmAA Lab No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %, v/v)			
Nitrogen	VR099	35.5	34.8	35.2	1.0
Oxygen	VR099	7.05	6.82	6.94	1.6
Methane	VR099	28.4	28.3	28.4	0.08
Carbon Dioxide	VR099	27.0	26.9	27.0	0.18
		(Concentration in ppm, v/v)			
Methane	No Repeat				
TGNMO	VR099	5330	6350	5840	8.7
		(Concentration in ppb, v/v)			
Acetonitrile	VR099	10.6	10.9	10.8	1.4
Benzene	No Repeat				
Benzylchloride	No Repeat				
Chlorobenzene	No Repeat				
Dichlorobenzenes*	No Repeat				
1,1-dichloroethane	VR099	4020	3730	3880	3.7
1,2-dichloroethane	VR099	401	392	396	1.1
1,1-dichloroethylene	VR099	97.1	95.5	96.3	0.83
Dichloromethane	VR099	7470	7320	7400	1.0
Perchloroethene	VR099	13900	13900	13900	0.0
Carbon Tetrachloride	VR099	<1	<1	---	---

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Run #1	Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Toluene	No Repeat				
1,1,1-trichloroethane	VR099	45.4	44.6	45.0	0.89
Trichloroethene	VR099	4500	4520	4510	0.22
Chloroform	VR099	<2	<2	---	---
Vinyl Chloride	VR090	567	557	562	0.89
m+p-xylenes	No Repeat				
o-xylene	No Repeat				

A set of 3 Tedlar bag samples laboratory numbers, 93301-(1 & 2) & 93301-9 was analyzed for 1150.1 contaminants, permanent gases, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 14 repeat measurements from the sample set of 3 Tedlar bag samples is 1.5%.

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Tedlar Bag Sample

Report Date: December 9, 1991
P.O. No.: 8148460-01
Site: Bradley Landfill

Date Received: November 26, 1991
Date Analyzed: November 26, 1991

ANALYSIS DESCRIPTION

Hydrogen sulfide was analyzed by GC with a Hall electrolytic conductivity detector operated in the oxidative sulfur mode.

AtmAA Lab No.	Sample ID	Hydrogen Sulfide (Concentration in ppm, v/v)	(repeat)
93301-9	VR099	29.0	29.2

Michael L. Porter
Laboratory Director

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA Environmental Mgmt. Dept.	ATMAA RNC	No.

Site / Facility#: BRADLEY LANDFILL / 234

~~Site Name~~: 9188 GLENOAKS BLVD Sun Valley Ca 91352

Sampler: (Signature) Ernest Drager

Bag Identification Number	Date	Time	Type Of Sample	METHANE	T.G.N.M.O.	1150.1 AIR TOXICS	H_2S	4 MAJOR GASES					Field Comments CH_4 %	Lab* Comments
VR090	11/25/91	307	GAS PROBE EAST-8-DEEP	X	X	X							15% CH_4	93301-1
~~VR094~~	~~11/25/91~~	~~3:30~~	~~L.F.G.~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					~~46% CH_4~~	
VR102	11/25/91	2:45	GAS PROBE EAST-2-SHALLOW	X	X	X							1% CH_4	93301-2

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ernest Drager	11/25/91	5:40			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[illegible]	11/25/91	5:40 pm

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

APPENDIX E

LABORATORYRESULTS AND QA/QC SUMMARY

LABORATORY RESULTS, CHAIN OF CUSTODY FORMS, AND QA/QC SUMMARY FOR THE MONTH OF OCTOBER

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants
Analysis in Tedlar Bag Samples

Report Date: October 14, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: October 9, 1991
Date Analyzed: October 10, 1991

AtmAA Lab No.:	92821-29	92821-30	92821-31	92821-32
Sample I.D.:	VR093	VR095	VR097	VR107
	U.W.	D.W.	D.W.	U.W.
	24hrs.	< 24hrs.	24hrs.	< 24hrs.
Components:	(Concentration in ppm, v/v)			
Methane	2.53	2.18	1.96	1.74
TGNMO	3.92	3.35	4.52	1.18
	(Concentration in ppb, v/v)			
Acetonitrile	< 0.8	< 0.8	< 0.8	< 0.8
Benzene	4.82	3.24	3.41	1.69
Benzylchloride	< 0.8	< 0.8	< 0.8	< 0.8
Chlorobenzene	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzenes*	< 1.1	< 1.1	< 1.1	< 1.1
1,1-dichloroethane	< 0.4	< 0.4	< 0.4	< 0.4
1,2-dichloroethane	< 0.2	< 0.2	< 0.2	< 0.2
1,1-dichloroethylene	< 0.1	< 0.1	< 0.1	< 0.1
Dichloromethane	1.27	0.68	1.03	0.43
Perchloroethene	0.89	0.31	0.68	0.16
Carbon Tetrachloride	0.11	0.10	0.10	0.10
Toluene	11.3	9.98	8.98	6.01
1,1,1-trichloroethane	8.66	3.24	6.29	2.42
Trichloroethene	< 0.06	< 0.06	< 0.06	< 0.06
Chloroform	< 0.08	< 0.08	< 0.08	< 0.08
Vinyl Chloride	< 0.1	< 0.1	< 0.1	< 0.1
m + p-xylenes	6.47	6.11	5.12	3.61
o-xylene	4.79	3.58	3.22	0.28

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.
* total amount containing meta, para, and ortho isomers

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Run #1	Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Chloroform	VR112	<0.08	<0.08	---	---
Vinyl Chloride	VR112	<0.1	<0.1	---	---
m+p-xylenes	VR091	6.99	6.78	6.88	1.5
o-xylene	VR091	3.87	3.95	3.91	1.0

A set of 2 Tedlar bag samples laboratory numbers, 92831-(10 & 11) was analyzed for SCAQMD Rule 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 11 repeat measurements from the sample set of 2 Tedlar bag samples is 1.8%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	No.
WMNA Environmental Mgmt. Dept.	ATMAA Inc.	

Site / Facility# BRADLEY LANDFILL /234

~~Site Name~~

9188 GLENOAKS BLVD Sun Valley 91358

Sampler: (Signature) [signature]

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxic Air Comp.	T.G.N.M.O.	METHANE		ATMAA #					Field Comments	Lab* Comments
VR112	10/9	9:50	ISS. GRID #12	X	X	X		92831-		10				
VR091	10/10	8:38	ISS GRID #14	X	X	X			-	11				

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/10	4:00	[signature]	10/10/91	400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: November 5, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: October 29, 1991
Date Analyzed: October 30, & 31, 1991

AtmAA Lab No.:	93021-10	93021-11	93021-12
Sample I.D.:	VR100	VR098	VR089
	Probe	Probe	LFG
	W. 10 Med.	E. 2 Shall.	Coll. Sys.
Components:	(Concentration in %, v/v)		
Nitrogen	73.4	46.2	20.1
Oxygen	1.41	1.19	2.29
Methane	10.7	23.6	40.0
Carbon Dioxide	13.5	28.2	37.1
	(Concentration in ppm, v/v)		
TGNMO	877	42.5	4650
	(Concentration in ppb, v/v)		
Acetonitrile	<0.8	<0.8	12.8
Benzene	<20	<20	1790
Benzylchloride	<10	<10	<10
Chlorobenzene	<10	<10	<10
Dichlorobenzenes*	<20	<20	130
1,1-dichloroethane	95.9	<40	3300
1,2-dichloroethane	<20	<20	210
1,1-dichloroethylene	45.9	<20	622
Dichloromethane	<60	<60	8360
Perchloroethene	3130	68.2	26800
Carbon Tetrachloride	<1	<1	<1
Toluene	<10	<10	57200
1,1,1-trichloroethane	344	0.99	13.5
Trichloroethene	96.4	23.7	5580
Chloroform	37.6	<1	<1
Vinyl Chloride	1180	32.8	2240
m + p-xylenes	<20	<20	17400
o-xylene	<10	<10	3540

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.
* total amount containing meta, para, and ortho isomers

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 81481460-01
AtmAA Lab No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR097	1.97	1.95	1.96	0.51
TGNMO	VR097	4.53	4.50	4.52	0.33
		(Concentration in ppb, v/v)			
Acetonitrile	VR095	<0.8	<0.8	---	---
Benzene	VR095	3.24	3.25	3.24	0.15
Benzylchloride	VR107	<0.8	<0.8	---	---
Chlorobenzene	VR107	<0.1	<0.1	---	---
Dichlorobenzenes*	VR107	<1.1	<1.1	---	---
1,1-dichloroethane	VR107	<0.4	<0.4	---	---
1,2-dichloroethane	VR107	<0.2	<0.2	---	---
1,1-dichloroethylene	VR107	<0.1	<0.1	---	---
Dichloromethane	VR095	0.68	0.69	0.68	0.11
Perchloroethene	VR107	0.16	0.15	0.16	3.2
Carbon Tetrachloride	VR107	0.10	0.10	0.10	0.0
Toluene	VR095	9.96	10.0	9.98	0.20
1,1,1-trichloroethane	VR107	2.42	2.43	2.42	0.21
Trichloroethene	VR107	<0.06	<0.06	---	---

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Chloroform	VR107	< 0.08	< 0.08	---	---
Vinyl Chloride	VR107	< 0.1	< 0.1	---	---
m + p-xylenes	VR095	6.02	6.20	6.11	1.5
o-xylene	VR095	3.62	3.54	3.58	1.1

A set of 4 Tedlar bag samples laboratory numbers, 92821-(29-32) was analyzed for SCAQMD Rule 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 10 repeat measurements from the sample set of 4 Tedlar bag samples is 0.73%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA **Environmental Mgmt. Dept.**	ATMAAING.	**No.**

Site/Facility # BRADLEY LANDFILL / SITE #234

~~Site Name~~ 9188 GLENOAKS BLVD Sun Valley 91358

Sampler: (Signature) [signature]

Bag Identification Number	Date	Time	Type Of Sample	1150.1 AIR TOXICS	T.G.H. MOD	METHANE		AtmAA Lab#					Field Comments	Lab* Comments
VR093	10/8	10:30	U.W. 24 HRS	X	X	X		92821-	29					
VR095	10/8	700	D.W. <24 HRS	X	X	X		-	30					
VR097	10/8	10:30	D.W. 24 HRS	X	X	X		-	31					
VR107	10/8	700	U.W. <24 HRS	X	X	X		-	32					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/9/91	4:30			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[signature]	10/9/91	4:30

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants
Analysis in Tedlar Bag Samples

Report Date: October 16, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: October 10, 1991
Date Analyzed: October 10, & 11, 1991

AtmAA Lab No.:	92831-10	92831-11
Sample I.D.:	VR112 ISS Grid #12	VR091 ISS Grid #14
Components:	(Concentration in ppm, v/v)	
Methane	1.84	1.78
TGNMO	3.43	3.29
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	2.92	4.44
Benzylchloride	<0.8	<0.8
Chlorobenzene	<0.1	<0.1
Dichlorobenzenes*	<1.1	<1.1
1,1-dichloroethane	<0.40	<0.40
1,2-dichloroethane	<0.2	<0.2
1,1-dichloroethylene	0.20	0.29
Dichloromethane	3.16	3.06
Perchloroethene	1.06	1.10
Carbon Tetrachloride	0.12	0.11
Toluene	10.2	10.4
1,1,1-trichloroethane	21.0	11.8
Trichloroethene	<0.06	<0.06
Chloroform	<0.08	<0.08
Vinyl Chloride	<0.1	<0.1
m + p-xylenes	5.20	6.88
o-xylene	3.84	3.91

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.
* total amount containing meta, para, and ortho isomers

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 81481460-01
AtmAA No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR091	1.80	1.77	1.78	0.84
TGNMO	VR091	3.17	3.41	3.29	3.6
		(Concentration in ppb, v/v)			
Acetonitrile	VR112	<0.8	<0.8	—	—
Benzene	VR091	4.47	4.40	4.44	0.79
Benzylchloride	VR112	<0.8	<0.8	—	—
Chlorobenzene	VR091	<0.1	<0.1	—	—
Dichlorobenzenes*	VR112	<1.1	<1.1	—	—
1,1-dichloroethane	VR112	<0.40	<0.40	—	—
1,2-dichloroethane	VR112	<0.2	<0.2	—	—
1,1-dichloroethylene	VR112	0.21	0.20	0.20	2.4
Dichloromethane	VR091	2.92	3.20	3.06	4.6
Perchloroethene	VR112	1.07	1.05	1.06	0.94
Carbon Tetrachloride	VR112	0.13	0.12	0.12	4.0
Toluene	VR091	10.4	10.4	10.4	0.0
1,1,1-trichloroethane	VR112	21.0	20.9	21.0	0.24
Trichloroethene	VR112	<0.06	<0.06	—	—

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 81481460-01
AtmAA Lab No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR106	4.60	4.53	4.56	0.77
TGNMO	VR106	5.06	4.50	4.78	5.8
		(Concentration in ppb, v/v)			
Acetonitrile	VR105	< 0.8	< 0.8	---	---
Benzene	VR108	1.31	1.01	1.16	13
Benzylchloride	VR109	< 0.8	< 0.8	---	---
Chlorobenzene	VR108	< 0.1	< 0.1	---	---
Dichlorobenzenes*	VR109	< 1.1	< 1.1	---	---
1,1-dichloroethane	VR108	< 0.4	< 0.4	---	---
1,2-dichloroethane	VR108	< 0.2	< 0.2	---	---
1,1-dichloroethylene	VR107	< 0.1	< 0.1	---	---
Dichloromethane	VR106	0.21	0.22	0.22	2.3
Perchloroethene	VR108	0.26	0.25	0.26	2.0
Carbon Tetrachloride	VR105	0.11	0.11	0.11	0.0
Toluene	VR108	3.04	2.44	2.74	11
1,1,1-trichloroethane	VR105	1.07	1.06	1.06	0.47
	VR108	2.56	2.56	2.56	0.0
Trichloroethene	VR105	< 0.06	< 0.06	---	---

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Chloroform	VR105	< 0.08	< 0.08	---	---
	VR108	< 0.08	< 0.08	---	---
Vinyl Chloride	VR107	< 0.1	< 0.1	---	---
m + p-xylenes	VR108	1.87	1.44	1.66	13
o-xylene	VR108	0.81	0.89	0.85	4.7

A set of 5 Tedlar bag samples laboratory numbers, 92531-(3-7) was analyzed for 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 11 repeat measurements from the sample set of 5 Tedlar bag samples is 4.8%.

CHAIN OF CUS.OL. RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA Environmental Mgmt. Dept.	ATMAA Inc.	No.

Site/Facility # BRADLEY LANDFILL / 234

Site Name 9188 GREENOAKS BLVD S.V. 91352

Sampler: (Signature) Ernest Dragon

Bag Identification Number	Date	Time	Type Of Sample	1150.1 AIR TOXICS	METHANE	T.G.N.M.O		ATMAA #				Field Comments	Lab* Comments
2105	9/10	600	DUPLICATE D.W. <24HR	X	X	X		92531-3				~4PPM CH_4	
2106	9/10	600	D.W. <24HOUR	X	X	X		-4				~4PPM CH_4	
2107	9/10	1000	U.W. 24HOUR	X	X	X		-5				~4PPM CH_4	
2108	9/10	1000	D.W. 24HOUR	X	X	X		-6					
2109	9/10	600	U.W. <24 HOUR	X	X	X		-7					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
Ernest Dragon	9/10/91	4:15	Karen Peter	9/10/91	4:15

Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

A-AA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants
Analysis in Tedlar Bag Samples

Report Date: September 17, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: September 11, 1991
Date Analyzed: September 11, 12, & 13, 1991

AtmAA Lab No.:	92541-30	92541-31
Sample I.D.:	VR092	VR110
	ISS	ISS
	Grid #5	Grid #12
Components:	(Concentration in ppm, v/v)	
Methane	2.21	2.12
TGNMO	<1	<1
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	1.97	3.00
Benzylchloride	<0.8	<0.8
Chlorobenzene	<0.1	<0.1
Dichlorobenzenes*	<1.1	<1.1
1,1-dichloroethane	<0.4	<0.4
1,2-dichloroethane	<0.2	<0.2
1,1-dichloroethylene	<0.1	<0.1
Dichloromethane	0.58	0.70
Perchloroethene	0.21	0.53
Carbon Tetrachloride	0.12	0.12
Toluene	3.73	7.16
1,1,1-trichloroethane	4.11	4.02
Trichloroethene	<0.06	<0.06
Chloroform	<0.08	<0.08
Vinyl Chloride	<0.1	<0.1
m+p-xylenes	2.87	4.20
o-xylene	2.54	2.12

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.

* total amount containing meta, para, and ortho isomers

Michael L. Porter

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 81481460-01
AtmAA No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %, v/v)			
Nitrogen	VR098	46.3	46.1	46.2	0.22
Oxygen	VR098	1.12	1.26	1.19	5.9
Methane	VR098	23.6	23.7	23.6	0.21
Carbon Dioxide	VR098	28.2	28.3	28.2	0.18
		(Concentration in ppm, v/v)			
TGNMO	VR089	4380	4920	4650	5.8
		(Concentration in ppb, v/v)			
Acetonitrile	VR089	12.8	12.9	12.8	0.39
Benzene	VR089	1780	1800	1790	0.56
Benzylchloride	VR089	< 10	< 10	—	—
Chlorobenzene	VR089	< 10	< 10	—	—
Dichlorobenzenes*	VR089	131	128	130	1.2
1,1-dichloroethane	VR089	3260	3350	3300	1.4
1,2-dichloroethane	VR089	213	207	210	1.4
1,1-dichloroethylene	VR089	621	622	622	0.08
Dichloromethane	VR089	8270	8460	8360	1.1
Perchloroethene	VR098	68.5	67.8	68.2	0.51
	VR089	26500	27000	26800	0.09
Carbon Tetrachloride	VR089	< 1	< 1	—	—
Toluene	VR098	57000	57400	57200	0.35

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Run #1	Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
1,1,1-trichloroethane	VR100	343	345	344	0.29
	VR089	13.4	13.6	13.5	0.74
Trichloroethene	VR100	95.3	97.5	96.4	1.1
	VR089	5510	5660	5580	1.3
Chloroform	VR100	36.8	38.4	37.6	2.1
	VR089	< 1	< 1	—	—
Vinyl Chloride	VR089	2230	2260	2240	0.67
m + p-xylene	VR089	17300	17400	17400	0.29
o-xylene	VR089	3510	3560	3540	0.71

A set of 3 Tedlar bag samples laboratory numbers 93021-(10-12) was analyzed for 1150.1 contaminants, permanent gases, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 23 repeat measurements from the sample set of 3 Tedlar bag samples is 1.2%.

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Tedlar Bag Sample

Report Date: November 5, 1991
P.O. No.: 8148460-01
Site: Bradley Landfill

Date Received: October 29, 1991
Date Analyzed: October 30, 1991

ANALYSIS DESCRIPTION

Hydrogen sulfide was analyzed by GC with a Hall electrolytic conductivity detector operated in the oxidative sulfur mode.

AtmAA Lab No.	Sample ID	Hydrogen Sulfide (Concentration in ppm, v/v)	(repeat)
93021-12	VR089	44.3	44.3

Michael L. Porter
Laboratory Director

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA **Environmental Mgmt. Dept.**		**No.**

Site/Facility # BRADLEY LANDFILL

~~Site Name~~ 9188 GLENOAKS BLVD SUN VALLEY 91352

Sampler: (Signature) [signature]

Bag Identification Number	Date	Time	Type Of Sample	Analyses: T.G.N.M.O	Analyses: METHANE	Analyses: 1150.1 TOXIL AIR COMP	Analyses: PERMANENT GASES 4 MATCH	Analyses: H_2S		Field Testing: AtmAA	Field Testing: Lab#	Field Comments: CH_4%	Lab* Comments
VR100	10/29	3:00	PROBE WEST-10 medium	X	X	X				93021	-10	13	
VR098	10/29	3:30	PROBE EAST-2-SHALLOW	X	X	X					-11	30	
VR089	10/29	4:00	L.F.G. COLLECTION SYSTEM	X		X	X	X			-12	45	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/29	5:00			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[signature]	10/29/91	5:00

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

LABORATORY RESULTS, CHAIN OF CUSTODY FORMS, AND QA/QC SUMMARY FOR THE MONTH OF SEPTEMBER

AtmAA
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants
Analysis in Tedlar Bag Samples

Report Date: September 17, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: September 10, 1991
Date Analyzed: September 10, 11, & 12, 1991

AtmAA Lab No.:	92531-3	92531-4	92531-5	92531-6	92531-7
Sample I.D.:	VR105 Dup. DW	VR106 downwind	VR107 upwind	VR108 downwind	VR109 upwind
	<24hr.	<24hr	24hr	24hr	<24hr
Components:	(Concentration in ppm, v/v)				
Methane	7.09	4.56	4.42	1.85	1.83
TGNMO	<1	4.78	4.54	3.37	1.67
	(Concentration in ppb, v/v)				
Acetonitrile	<0.8	<0.8	<0.8	<0.8	<0.8
Benzene	0.79	1.03	1.42	1.16	0.71
Benzylchloride	<0.8	<0.8	<0.8	<0.8	<0.8
Chlorobenzene	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorobenzenes*	<1.1	<1.1	<1.1	<1.1	<1.1
1,1-dichloroethane	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-dichloroethylene	<0.1	<0.1	<0.1	<0.1	<0.1
Dichloromethane	0.21	0.21	0.28	0.40	0.26
Perchloroethene	0.28	0.19	0.25	0.26	0.14
Carbon Tetrachloride	0.11	0.10	0.11	0.12	0.12
Toluene	1.79	3.24	5.68	2.74	1.52
1,1,1-trichloroethane	1.06	1.15	2.23	2.56	1.38
Trichloroethene	<0.06	<0.06	<0.06	<0.06	<0.06
Chloroform	<0.08	<0.08	<0.08	<0.08	<0.08
Vinyl Chloride	<0.1	<0.1	<0.1	<0.1	<0.1
m + p-xylenes	1.28	2.81	2.24	1.87	1.66
o-xylene	0.53	1.24	1.21	0.85	0.67

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.

* total amount containing meta, para, and ortho isomers

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Chloroform	VR105	< 0.08	< 0.08	—	—
	VR108	< 0.08	< 0.08	—	—
Vinyl Chloride	VR107	< 0.1	< 0.1	—	—
m + p-xylenes	VR108	1.87	1.44	1.66	13
o-xylene	VR108	0.81	0.89	0.85	4.7

A set of 5 Tedlar bag samples laboratory numbers, 92531-(3-7) was analyzed for 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 11 repeat measurements from the sample set of 5 Tedlar bag samples is 4.8%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	No.
WMNA Environmental Mgmt. Dept.	ATMAA Inc.	

Site/Facility # BRADLEY LANDFILL / 234

Site Name 9188 GREENDALE BLVD S.V. 91352

Sampler: (Signature) Ernest Dragon

Bag Identification Number	Date	Time	Type Of Sample	1150.1 AIR TOXICS	METHANE	T.G.N.M.O		ATMAA #				Field Comments	Le Comr
VR105	9/10	600	DUPLICATE D.W. <24HR	X	X	X		92531-3				~4PPM CH_4	
VR106	9/10	600	D.W. <24HOUR	X	X	X		-4				~4PPM CH_4	
VR107	9/10	1000	U.W. 24HOUR	X	X	X		-5				~4PPM CH_4	
VR108	9/10	1000	D.W. 24HOUR	X	X	X		-6					
VR109	9/10	600	U.W. <24 HOUR	X	X	X		-7					

Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Ti
Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Ti
Relinquished by: (*Signature*) Ernest Dragon	Date 9/10/91	Time 4:15	Received for Laboratory: (*Signature*) Karen Gates	Date 9/10/91	Ti 4:

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

A-mAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: September 23, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: September 17, 1991
Date Analyzed: September 18, & 20, 1991

AtmAA Lab No.:	92601-8	92601-9	92601-10
Sample I.D.:	VR077	VR057.5	VR078
	Gas Probe	L.F.G.	Gas Probe
	E-8 deep		E- 25
Components:	(Concentration in %, v/v)		
Nitrogen		15.3	
Oxygen		0.56	
Methane	17.0	43.1	5.97
Carbon Dioxide		39.6	
	(Concentration in ppm, v/v)		
TGNMO	241	6440	33.5
	(Concentration in ppb, v/v)		
Acetonitrile	< 0.8	15.0	< 0.8
Benzene	51.0	2180	8.92
Benzylchloride	< 20	< 20	< 20
Chlorobenzene	< 10	< 10	< 10
Dichlorobenzenes*	< 20	508	< 20
1,1-dichloroethane	37.3	4300	15.0
1,2-dichloroethane	133	390	< 20
1,1-dichloroethylene	57.0	354	< 20
Dichloromethane	< 60	9980	< 60
Perchloroethene	313	24900	73.0
Carbon Tetrachloride	< 1	< 1	< 1
Toluene	19.6	68000	5.76
1,1,1-trichloroethane	5.44	397	2.09
Trichloroethene	154	494	17.2
Chloroform	1.84	4.54	2.54
Vinyl Chloride	622	4430	3.74
m + p-xylenes	194	33500	16.1
o-xylene	68.5	10500	10.1

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.
* total amount containing meta, para, and ortho isomers

Michael L. Porter

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 81481460-01
AtmAA Lab No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %, v/v)			
Nitrogen	VR0575	15.1	15.5	15.3	1.3
Oxygen	VR0575	0.59	0.54	0.56	4.4
Methane	VR0575	43.2	43.0	43.1	0.23
Carbon Dioxide	VR0575	39.5	39.6	39.6	0.13
		(Concentration in ppm, v/v)			
TGNMO	VR0575	6950	5920	6440	8.0
		(Concentration in ppb, v/v)			
Acetonitrile	VR0575	15.4	14.6	15.0	2.7
Benzene	VR0575	2220	2150	2180	1.6
Benzylchloride	VR0575	<20	<20	—	—
Chlorobenzene	VR0575	<10	<10	—	—
Dichlorobenzenes*	VR0575	511	505	508	0.59
1,1-dichloroethane	VR0575	4440	4170	4300	3.1
1,2-dichloroethane	VR077	120	146	133	9.8
	VR0575	399	381	390	2.3
1,1-dichloroethylene	VR0575	348	360	354	1.7
Dichloromethane	VR0575	10400	9550	9980	4.3
Perchloroethene	VR078	73.0	73.0	73.0	0.0

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Run #1	Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Carbon Tetrachloride	VR077	<1	<1	---	---
Toluene	VR0575	68800	67200	68000	1.2
1,1,1-trichloroethane	VR077	5.35	5.53	5.44	1.6
	VR0575	419	375	397	5.5
Trichloroethene	VR077	150	157	154	2.3
	VR0575	513	474	494	4.0
Chloroform	VR077	1.85	1.82	1.84	0.82
Vinyl Chloride	VR077	616	629	622	1.0
m + p-xylenes	VR0575	33900	33100	33500	1.2
o-xylene	VR0575	10600	10400	10500	0.95

A set of 3 Tedlar bag samples laboratory numbers, 92601-(8-10) was analyzed for SCAQMD Rule 1150.1 contaminants, permanent gases, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column % Difference from Mean*. Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 23 repeat measurements from the sample set of 3 Tedlar bag samples is 2.6%.

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Tedlar Bag Sample

Report Date: September 23, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill

Date Received: September 17, 1991
Date Analyzed:

ANALYSIS DESCRIPTION

Hydrogen sulfide was analyzed by GC with a Hall electrolytic conductivity detector operated in the oxidative sulfur mode.

AtmAA Lab No.	Sample ID	Hydrogen Sulfide (Conc. in ppm)	(repeat)
92601-9	VR0575	44.1	44.7

Michael L. Porter
Laboratory Director

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	No.
WMNA Environmental Mgmt. Dept.	ATMAA: INC.	

Site / Facility#: BRADLEY LANDFILL

Site Name: SUNVALLEY
9188 LENOAKS BLVD CA 91352

Sampler: (Signature) Ernest Dragon

Bag Identification Number	Date	Time	Type Of Sample	1150.1 AIR TOXICS	T.G.N.M.O.	METHANE	PERMANENT GASES	H_2S		ATMAA #			Field Comments	Lab Comm
VR077	9/17/91	3:00	GAS PROBE E-8 deep	X	X	X				92601		-8	25% CH_4	
VR057.5	9/17/91	3:40	L.F.G.	X	X		X	X				-9	45% CH_4	
VR078	9/17/91	4:20	GAS PROBE E-2 SHALLOW	X	X	X						-10	5% CH_4	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ernest Dragon	9/17/91	5:10	Karen Potter	9/17/91	5
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			Karen Potter	9/17/91	5:

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	No.
WMNA Environmental Mgmt. Dept.	ATMAA Inc.	

Site/Facility # BRADLEY LANDFILL / 234

Site Name 9188 GLENOAKS BLVD S.V. 91352

Sampler: (Signature) Ernest Dragon

Bag Identification Number	Date	Time	Type Of Sample	1150.1 AIR TOXICS	METHANE	T.G.N.M.O		ATMAA #				Field Comments	Lab Comm
VR105	9/10	600	DUPLICATE D.W. <24HR	X	X	X		92531-3				~4PPM CH_4	
VR106	9/10	600	D.W. <24HOUR	X	X	X		-4				~4PPM CH_4	
VR107	9/10	1000	U.W. 24HOUR	X	X	X		-5				~4PPM CH_4	
VR108	9/10	1000	D.W. 24HOUR	X	X	X		-6					
VR109	9/10	600	U.W. <24 HOUR	X	X	X		-7					

Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	T
Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	T
Relinquished by: (*Signature*) Ernest Dragon	Date 9/10/91	Time 4:15	Received for Laboratory: (*Signature*) Karen Peter	Date 9/10/91	T 4

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

A-AA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: September 23, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: September 17, 1991
Date Analyzed: September 18, & 20, 1991

AtmAA Lab No.:	92601-8	92601-9	92601-10
Sample I.D.:	VR077	VR057.5	VR078
	Gas Probe	L.F.G.	Gas Probe
	E-8 deep		E- 25
Components:	(Concentration in %, v/v)		
Nitrogen		15.3	
Oxygen		0.56	
Methane	17.0	43.1	5.97
Carbon Dioxide		39.6	
	(Concentration in ppm, v/v)		
TGNMO	241	6440	33.5
	(Concentration in ppb, v/v)		
Acetonitrile	< 0.8	15.0	< 0.8
Benzene	51.0	2180	8.92
Benzylchloride	< 20	< 20	< 20
Chlorobenzene	< 10	< 10	< 10
Dichlorobenzenes*	< 20	508	< 20
1,1-dichloroethane	37.3	4300	15.0
1,2-dichloroethane	133	390	< 20
1,1-dichloroethylene	57.0	354	< 20
Dichloromethane	< 60	9980	< 60
Perchloroethene	313	24900	73.0
Carbon Tetrachloride	< 1	< 1	< 1
Toluene	19.6	68000	5.76
1,1,1-trichloroethane	5.44	397	2.09
Trichloroethene	154	494	17.2
Chloroform	1.84	4.54	2.54
Vinyl Chloride	622	4430	3.74
m + p-xylenes	194	33500	16.1
o-xylene	68.5	10500	10.1

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.
* total amount containing meta, para, and ortho isomers

Michael L. Porter

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 81481460-01
AtmAA Lab No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %, v/v)			
Nitrogen	VR0575	15.1	15.5	15.3	1.3
Oxygen	VR0575	0.59	0.54	0.56	4.4
Methane	VR0575	43.2	43.0	43.1	0.23
Carbon Dioxide	VR0575	39.5	39.6	39.6	0.13
		(Concentration in ppm, v/v)			
TGNMO	VR0575	6950	5920	6440	8.0
		(Concentration in ppb, v/v)			
Acetonitrile	VR0575	15.4	14.6	15.0	2.7
Benzene	VR0575	2220	2150	2180	1.6
Benzylchloride	VR0575	< 20	< 20	—	—
Chlorobenzene	VR0575	< 10	< 10	—	—
Dichlorobenzenes*	VR0575	511	505	508	0.59
1,1-dichloroethane	VR0575	4440	4170	4300	3.1
1,2-dichloroethane	VR077	120	146	133	9.8
	VR0575	399	381	390	2.3
1,1-dichloroethylene	VR0575	348	360	354	1.7
Dichloromethane	VR0575	10400	9550	9980	4.3
Perchloroethene	VR078	73.0	73.0	73.0	0.0

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Run #1	Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Carbon Tetrachloride	VR077	<1	<1	---	---
Toluene	VR0575	68800	67200	68000	1.2
1,1,1-trichloroethane	VR077	5.35	5.53	5.44	1.6
	VR0575	419	375	397	5.5
Trichloroethene	VR077	150	157	154	2.3
	VR0575	513	474	494	4.0
Chloroform	VR077	1.85	1.82	1.84	0.82
Vinyl Chloride	VR077	616	629	622	1.0
m + p-xylenes	VR0575	33900	33100	33500	1.2
o-xylene	VR0575	10600	10400	10500	0.95

A set of 3 Tedlar bag samples laboratory numbers, 92601-(8-10) was analyzed for SCAQMD Rule 1150.1 contaminants, permanent gases, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column % Difference from Mean*. Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 23 repeat measurements from the sample set of 3 Tedlar bag samples is 2.6%.

A-AA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Tedlar Bag Sample

Report Date: September 23, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill

Date Received: September 17, 1991
Date Analyzed:

ANALYSIS DESCRIPTION

Hydrogen sulfide was analyzed by GC with a Hall electrolytic conductivity detector operated in the oxidative sulfur mode.

AtmAA Lab No.	Sample ID	Hydrogen Sulfide (Conc. in ppm)	(repeat)
92601-9	VR0575	44.1	44.7

Michael L. Porter
Laboratory Director

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR

WMNA
Environmental Mgmt. Dept.

ANALYTICAL LABORATORY

ATMAA: INC.

No.

Site / Facility#
BRADLEY LANDFILL

Site Name SUNVALLEY
9188 LENDAKS BLVD CA 91352

Sampler: (Signature) Ernest Dragon

Bag Identification Number	Date	Time	Type Of Sample	1150.1 AIR TOXICS	T.G.N.M.O.	METHANE	PERMANENT GASES	H_2S		ATMAA #			Field Comments	Lab Comm
VR077	9/17/91	3:00	GAS PROBE E-8 deep	X	X	X				92601		-8	25% CH_4	
VR057.5	9/17/91	3:40	L.F.G.	X	X		X	X				-9	45% CH_4	
VR078	9/17/91	4:20	GAS PROBE E-2 SHALLOW	X	X	X						-10	5% CH_4	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Ti
Ernest Dragon	9/17/91	5:10	[illegible]	9/17/91	5
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Ti
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Ti
			[illegible]	9/17/91	5:

* Condition of Sample: Empty = E; Empty - 1/4 = 1; 1/4-1/2 = 2; 1/2-3/4 = 3; 3/4-Full = 4; Over Full = 0

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Chloroform	VR105	< 0.08	< 0.08	—	—
	VR108	< 0.08	< 0.08	—	—
Vinyl Chloride	VR107	< 0.1	< 0.1	—	—
m + p-xylenes	VR108	1.87	1.44	1.66	13
o-xylene	VR108	0.81	0.89	0.85	4.7

A set of 5 Tedlar bag samples laboratory numbers, 92531-(3-7) was analyzed for 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 11 repeat measurements from the sample set of 5 Tedlar bag samples is 4.8%.

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

P.O. No.: 81481460-01
AtmAA Lab No.: 8000
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppm, v/v)			
Methane	VR106	4.60	4.53	4.56	0.77
TGNMO	VR106	5.06	4.50	4.78	5.8
		(Concentration in ppb, v/v)			
Acetonitrile	VR105	<0.8	<0.8	—	—
Benzene	VR108	1.31	1.01	1.16	13
Benzylchloride	VR109	<0.8	<0.8	—	—
Chlorobenzene	VR108	<0.1	<0.1	—	—
Dichlorobenzenes*	VR109	<1.1	<1.1	—	—
1,1-dichloroethane	VR108	<0.4	<0.4	—	—
1,2-dichloroethane	VR108	<0.2	<0.2	—	—
1,1-dichloroethylene	VR107	<0.1	<0.1	—	—
Dichloromethane	VR106	0.21	0.22	0.22	2.3
Perchloroethene	VR108	0.26	0.25	0.26	2.0
Carbon Tetrachloride	VR105	0.11	0.11	0.11	0.0
Toluene	VR108	3.04	2.44	2.74	11
1,1,1-trichloroethane	VR105	1.07	1.06	1.06	0.47
	VR108	2.56	2.56	2.56	0.0
Trichloroethene	VR105	<0.06	<0.06		

APPENDIX F

PERIMETER PROBE SITE MAP AND WEEKLY GAS PROBE READINGS

PARTIALLY SCANNED OVERSIZE ITEM(S)

See document # 2199226
for partially scanned image(s).

12 OF 12

For complete hardcopy version of the oversize document
contact the Region IX Superfund Records Center at
(415) 536-2000

WEEKLY PERIMETER PROBE READINGS FOR

MONTH OF NOVEMBER

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Bisseborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.97
BAROMETER (after): 29.97

BY Wilson DATE: 11/8/91 START TIME: 1:00 FINISH TIME: 2:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.00								
E-2S	23	+0.06								
E-2M	Ø	+0.13								
E-2D	Ø	< .14								
E-3	Ø	+0.08								
E-4	Ø	+0.12								
E-5S	Ø	+0.05								
E-5M	Ø	+0.02								
E-5D	Ø	+0.00								
E-6	Ø	+0.03								
E-7	Ø	+0.03								
E-8S	Ø	+0.06								
E-8M	Ø	-0.01								
E-8D	17	+0.33								
E-9	Ø	+0.06								
E-10	Ø	+0.07								
E-11S	Ø	+0.05								
E-11M	Ø	+0.25								
E-11D	Ø	+0.09								
E-12	Ø	+0.01								
E-13	Ø	+0.03								
E-14S	Ø	-0.01								
E-14M	Ø	+0.05								
E-14D	Ø	+0.19								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.97
BAROMETER (after): 29.95

BY: C. Wilson DATE: 11/8/91 START TIME: 2:00 FINISH TIME: ~~3:00~~ 2:45

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+0.10								
W-1M	Ø	+0.11								
W-1D	Ø	+0.09								
W-2A	Ø	+0.04								
W-2B	Ø	+0.07								
W-3S	Ø	+0.05								
W-3M	Ø	+0.11								
W-3D	Ø	+0.21								
W-4	Ø	+.02								
W-5S	Ø	+.01								
W-5M	Ø	+.01								
W-5D	Ø	+0.03								
W-6	Ø	+0.04								
W-7S	Ø	+0.00								
W-7M	Ø	+0.01								
W-7D	Ø	+0.07								
W-8	Ø	+0.11								
W-9A	Ø	+0.17								
W-9B	Ø	+0.06								
W-10S	Ø	+0.09								
W-10M	Ø	+0.05								
W-10D	Ø	+0.01								
W-11	Ø	+0.03								
W-12S	Ø	+0.00								
W-12M	Ø	+0.01								
W-12D	Ø	+0.06								
W-13	Ø	+0.00								
W-14S	Ø	+0.03								
W-14M	Ø	+0.01								
W-14D	Ø	+0.01								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.86
BAROMETER (after): 29.88

BY: DRAGAN DATE: 11/15/91 START TIME: 2:30 FINISH TIME: 2:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	-0.05								
W-1M	Ø	-0.13								
W-1D	Ø	-0.26								
W-2A	Ø	-0.12								
W-2B	Ø	-0.14								
W-3S	Ø	-0.09								
W-3M	Ø	-0.18								
W-3D	Ø	-0.29								
W-4	Ø	-0.13								
W-5S	Ø	-0.06								
W-5M	Ø	-0.18								
W-5D	Ø	-0.40								
W-6	Ø	-0.15								
W-7S	Ø	-0.08								
W-7M	Ø	-0.27								
W-7D	Ø	-0.47								
W-8	Ø	-0.05								
W-9A	Ø	-0.06								
W-9B	Ø	-0.09								
W-10S	Ø	-0.03								
W-10M	Ø	-0.47								
W-10D	Ø	-0.09								
W-11	Ø	+0.03								
W-12S	Ø	+0.03								
W-12M	Ø	-0.04								
W-12D	Ø	-0.47								
W-13	Ø	+0.02								
W-14S	Ø	-0.03								
W-14M	Ø	-0.04								
W-14D	Ø	-0.34								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.86
BAROMETER (after): 29.86

BY DRAGAN DATE: 11/15/91 START TIME: 1:00 FINISH TIME: 2:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	0.00								
E-2S	25	-0.02								
E-2M	Ø	-0.07								
E-2D	Ø	-0.22								
E-3	Ø	-0.04								
E-4	10	-0.04								
E-5S	Ø	-0.02								
E-5M	Ø	-0.06								
E-5D	Ø	-0.09								
E-6	Ø	-0.06								
E-7	Ø	-0.08								
E-8S	Ø	+0.01								
E-8M	Ø	-0.14								
E-8D	9	-0.29								
E-9	Ø	-0.04								
E-10	Ø	-0.05								
E-11S	Ø	+0.01								
E-11M	Ø	-0.04								
E-11D	Ø	-0.48								
E-12	Ø	-0.06								
E-13	Ø	-0.02								
E-14S	Ø	+0.01								
E-14M	Ø	-0.03								
E-14D	Ø	-0.22								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 30.02
BAROMETER (after): 30.02

BY: C. Wilson DATE: 8/22/91 START TIME: 12:42 FINISH TIME: 2:20

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (" wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+0.08								
W-1M	Ø	+0.04								
W-1D	Ø	+0.13								
W-2A	Ø	+0.18								
W-2B	Ø	+0.17								
W-3S	Ø	+0.08								
W-3M	Ø	+0.00								
W-3D	Ø	+0.00								
W-4	Ø	+0.04								
W-5S	Ø	+0.04								
W-5M	Ø	+0.02								
W-5D	Ø	+0.03								
W-6	Ø	+0.00								
W-7S	Ø	+0.00								
W-7M	Ø	+0.09								
W-7D	Ø	+0.18								
W-8	Ø	+0.25								
W-9A	Ø	+0.17								
W-9B	Ø	+0.22								
W-10S	Ø	+0.00								
W-10M	Ø	-0.03								
W-10D	Ø	+0.05								
W-11	Ø	+0.07								
W-12S	Ø	+0.00								
W-12M	Ø	+0.00								
W-12D	Ø	+0.01								
W-13	Ø	+0.04								
W-14S	Ø	+0.09								
W-14M	Ø	+0.07								
W-14D	Ø	+0.15								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 30.02
BAROMETER (after): 30.02

BY C. Wilson DATE: 11/22 START TIME: 8:42 FINISH TIME: 2:20

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (*wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	-0.03								
E-2S	Ø	-0.04								
E-2M	Ø	-0.03								
E-2D	Ø	+0.08								
E-3	Ø	+0.03								
E-4	Ø	-0.02								
E-5S	Ø	+0.07								
E-5M	Ø	+0.10								
E-5D	Ø	+0.00								
E-6	Ø	+0.00								
E-7	Ø	-0.11								
E-8S	Ø	+0.05								
E-8M	Ø	+0.02								
E-8D	Ø	+0.17								
E-9	Ø	+0.00								
E-10	Ø	+0.14								
E-11S	Ø	+0.11								
E-11M	Ø	+0.23								
E-11D	Ø	+0.09								
E-12	Ø	+.07								
E-13	Ø	-.02								
E-14S	Ø	+0.17								
E-14M	Ø	+0.02								
E-14D	Ø	+0.03								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.71
BAROMETER (after): 29.71

BY: DRAHAM DATE: 11/29/9 START TIME: 2:30 FINISH TIME: 3:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+0.16								
W-1M	Ø	+0.29								
W-1D	Ø	+0.44								
W-2A	Ø	+0.31								
W-2B	Ø	+0.32								
W-3S	Ø	+0.18								
W-3M	Ø	+0.38								
W-3D	Ø	+0.76								
W-4	Ø	+0.22								
W-5S	Ø	+0.10								
W-5M	Ø	+0.31								
W-5D	Ø	+1.06								
W-6	Ø	+0.19								
W-7S	Ø	+0.16								
W-7M	Ø	+0.32								
W-7D	Ø	+0.71								
W-8	Ø	+0.16								
W-9A	Ø	+0.16								
W-9B	Ø	+0.21								
W-10S	Ø	+0.09								
W-10M	10	+1.12								
W-10D	Ø	+0.11								
W-11	Ø	+0.14								
W-12S	Ø	+0.07								
W-12M	Ø	+0.26								
W-12D	Ø	+0.68								
W-13	Ø	+0.16								
W-14S	Ø	+0.11								
W-14M	Ø	+0.28								
W-14D	Ø	+0.82								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.73
BAROMETER (after): 29.71

BY DRAGAN DATE: 11/29/91 START TIME: 1245 FINISH TIME: 2:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (" wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.06								
E-2S	0.5	+0.01								
E-2M	Ø	+0.03								
E-2D	Ø	+0.51								
E-3	Ø	+0.11								
E-4	Ø	+0.06								
E-5S	Ø	+0.04								
E-5M	Ø	+0.15								
E-5D	Ø	+0.39								
E-6	Ø	+0.08								
E-7	Ø	+0.06								
E-8S	Ø	+0.11								
E-8M	Ø	+0.23								
E-8D	16	+1.14								
E-9	Ø	+0.14								
E-10	Ø	+0.12								
E-11S	Ø	+0.09								
E-11M	Ø	+0.21								
E-11D	Ø	+0.38								
E-12	Ø	+0.06								
E-13	Ø	+0.04								
E-14S	Ø	+0.13								
E-14M	Ø	+0.09								
E-14D	Ø	+0.46								

Comments:

WEEKLY PERIMETER PROBE READINGS FOR

MONTH OF OCTOBER

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
Bradley EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.82
BAROMETER (after): 29.82

BY: DRAGAN DATE: 10/3/91 START TIME: 3:00 FINISH TIME: 4:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (" wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.04								
E-2S	6	+0.03								
E-2M	1	+0.05								
E-2D	Ø	+0.11								
E-3	2	+0.05								
E-4	5	+0.04								
E-5S	Ø	+0.04								
E-5M	Ø	+0.11								
E-5D	Ø	+0.17								
E-6	Ø	+0.01								
E-7	Ø	+0.07								
E-8S	Ø	+0.01								
E-8M	Ø	-0.02								
E-8D	2	+0.24								
E-9	Ø	+0.04								
E-10	Ø	+0.06								
E-11S	Ø	+0.06								
E-11M	Ø	+0.07								
E-11D	Ø	+0.21								
E-12	Ø	+0.07								
E-13	Ø	+0.04								
E-14S	Ø	+0.01								
E-14M	Ø	+0.04								
E-14D	Ø	+0.17								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.82
BAROMETER (after): 29.82

BY: D. LOGAN DATE: 10/3/91 START TIME: 1:45 FINISH TIME: 3:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+0.07								
W-1M	Ø	+0.16								
W-1D	Ø	+0.28								
W-2A	Ø	+0.13								
W-2B	Ø	+0.15								
W-3S	Ø	+0.06								
W-3M	Ø	+0.16								
W-3D	Ø	+0.31								
W-4	Ø	+0.13								
W-5S	Ø	+0.07								
W-5M	Ø	+0.12								
W-5D	Ø	+0.22								
W-6	Ø	+0.14								
W-7S	Ø	+0.05								
W-7M	Ø	+0.14								
W-7D	Ø	+0.26								
W-8	Ø	+0.14								
W-9A	Ø	+0.07								
W-9B	6	+0.10								
W-10S	Ø	+0.03								
W-10M	Ø	+0.28								
W-10D	Ø	+0.06								
W-11	Ø	+0.07								
W-12S	Ø	+0.02								
W-12M	Ø	+0.06								
W-12D	Ø	+0.31								
W-13	Ø	+0.04								
W-14S	Ø	+0.03								
W-14M	Ø	+0.04								
W-14D	Ø	+0.23								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.96
BAROMETER (after): 29.96

BY: D. Hansen DATE: 10/17/91 START TIME: 1512 FINISH TIME: 1624

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (" wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	0	+.02								
W-1M	0	+.05								
W-1D	0	-.01								
W-2A	0	-.02								
W-2B	0	+.02								
W-3S	0	.00								
W-3M	0	-.02								
3D	0	+.06								
	0	.05								
W-5S	0	+.01								
W-5M	0	-.05								
W-5D	0	-.04								
W-6	0	.00								
W-7S	0	.00								
W-7M	0	-.01								
W-7D	0	-.02								
W-8	0	.00								
W-9A	0	-.02								
W-9B	0	-.04								
W-10S	0	+.01								
W-10M	0	.00								
W-10D	0	-.03								
W-11	0	+.02								
W-12S	0	-.01								
W-12M	0	-.02								
W-12D	0	-.02								
W-13	.2	.05								
W-14S	0	.00								
W-14M	0	-.01								
-14D	0	-.04								

mments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.93
BAROMETER (after): 29.92

BY: D. Hansen DATE: 10/25/91 START TIME: 3:15 FINISH TIME: 4:35

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (" wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+.04								
W-1M	Ø	+.12								
W-1D	Ø	+.26								
W-2A	Ø	+.06								
W-2B	Ø	+.14								
W-3S	Ø	+.09								
W-3M	Ø	+.20								
W-3D	Ø	+.37								
W-4	Ø	+.09								
W-5S	Ø	+.04								
W-5M	Ø	+.10								
W-5D	Ø	+.25								
W-6	Ø	+.10								
W-7S	Ø	+.05								
W-7M	Ø	+.14								
W-7D	Ø	+.27								
W-8	Ø	+.03								
W-9A	Ø	+.00								
W-9B	Ø	+.05								
W-10S	Ø	+.07	939	100	-0	7.7	.4	21	41.3	
W-10M	7	+.37	93d	106	-4	24.9	.36	15.4	43.2	
W-10D	Ø	+.07								
W-11	Ø	+.02								
W-12S	Ø	+.02								
W-12M	.2	+.06								
W-12D	Ø	+.39								
W-13	.2	+.04								
W-14S	Ø	+.01								
W-14M	Ø	+.03								
W-14D	Ø	+.22								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.93
BAROMETER (after): 29.93

BY Tony A. DATE: 10/25/91 START TIME: 1415 FINISH TIME: 1500

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (" wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	0	+.04								
E-2S	8	+.02	2	106	+.02	3.7	.66	34	32.3	
E-2M	0	+.02								
E-2D	0	+.14								
E-3	0	+.02								
E-4	0	0								
E-5S	0	+.01								
E-5M	0	+.02								
E-5D	0	+.02								
E-6	0	+.04								
E-7	0	+.01								
E-8S	0	+.02								
E-8M	0	+.04	10	110	-.7	12	.33	52.6	20	
E-8D	6	+.46	11	110	-2	24	.81	48	23.2	
E-9	0	+.06								
E-10	0	+.02								
E-11S	0	+.04								
E-11M	0	+.04								
E-11D	0	+.06								
E-12	0	+.02								
E-13	0	+.02								
E-14S	0	+.01								
E-14M	0	+.01								
E-14D	0	+.02								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.90
BAROMETER (after): 29.86

BY: DRAGAN DATE: 10/28/91 START TIME: 2:00 FINISH TIME: 3:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+0.07								
W-1M	Ø	+0.19								
W-1D	Ø	+0.43								
W-2A	Ø	+0.12								
W-2B	Ø	+0.17								
W-3S	Ø	+0.12								
W-3M	Ø	+0.26								
W-3D	Ø	+0.50								
W-4	Ø	+0.12								
W-5S	Ø	+0.07								
W-5M	Ø	+0.13								
W-5D	Ø	+0.42								
W-6	Ø	+0.11								
W-7S	Ø	+0.06								
W-7M	Ø	+0.16								
W-7D	Ø	+0.43								
W-8	Ø	+0.08								
W-9A	Ø	+ 0.07								
W-9B	Ø	+0.11								
W-10S	Ø	+0.05								
W-10M	13	+0.68								
W-10D	Ø	+0.11								
W-11	Ø	+0.04								
W-12S	Ø	+0.02								
W-12M	Ø	+0.09								
W-12D	Ø	+0.74								
W-13	Ø	+0.07								
W-14S	Ø	+0.03								
W-14M	Ø	+0.10								
W-14D	Ø	+ 0.46								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.96
BAROMETER (after): 29.91

BY DRAGAN DATE: 10/29/91 START TIME: 11:00 FINISH TIME: 12:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.02								
E-2S	25	+0.04								
E-2M	Ø	-1.31								
E-2D	Ø	-0.53								
E-3	Ø	+0.11								
E-4	4	+0.09								
E-5S	Ø	+0.07								
E-5M	Ø	+0.21								
E-5D	Ø	+0.00								
E-6	Ø	+0.07								
E-7	Ø	+0.14								
E-8S	Ø	+0.14								
E-8M	Ø	+0.07								
E-8D	21	+0.59								
E-9	Ø	+0.09								
E-10	Ø	+0.08								
E-11S	Ø	+0.18								
E-11M	Ø	+0.12								
E-11D	Ø	+0.37								
E-12	Ø	+0.13								
E-13	Ø	+0.11								
E-14S	Ø	+0.02								
E-14M	Ø	+0.09								
E-14D	Ø	+0.35								

Comments:

WEEKLY PERIMETER PROBE READINGS FOR

MONTH OF SEPTEMBER

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
Bradley EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.83
BAROMETER (after): 29.83

BY: DRAGAN, E. DATE: 9/5/91 START TIME: 9.00 FINISH TIME: 10:40

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	-0.03								
E-2S	Ø	-0.03								
E-2M	Ø	0.0								
E-2D	Ø	-0.12								
E-3	Ø	-0.03								
E-4	Ø	±0.00								
E-5S	Ø	-0.02								
E-5M	Ø	-0.01								
E-5D	Ø	-0.06								
E-6	Ø	-0.08								
E-7	Ø	-0.02								
E-8S	Ø	-0.06								
E-8M	Ø	-0.12								
E-8D	10	-0.26								
E-9	Ø	-0.08								
E-10	Ø	-0.01								
E-11S	4	-0.04								
E-11M	Ø	-0.05								
E-11D	Ø	-0.26								
E-12	Ø	-0.01								
E-13	Ø	±0.00								
E-14S	Ø	±0.0								
E-14M	Ø	-0.01								
E-14D	Ø	-0.18								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.83
BAROMETER (after): 29.84

BY: DRAGUN DATE: 9/5/91 START TIME: 10:45 FINISH TIME: 11:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	0	-0.06								
W-1M	0	-0.13								
W-1D	0	-0.36								
W-2A	0	-0.06								
W-2B	0	-0.11								
W-3S	0	-0.06								
W-3M	0	-0.15								
W-3D	0	-0.25								
W-4	0	-0.06								
W-5S	0	-0.02								
W-5M	0	-0.06								
W-5D	0	-0.26								
W-6	0	-0.06								
W-7S	0	-0.02								
W-7M	0	-0.09								
W-7D	0	-0.28								
W-8	0	-0.01								
W-9A	0	-0.03								
W-9B	0	-0.03								
W-10S	0	-0.01								
W-10M	0	-0.21								
W-10D	0	-0.04								
W-11	0	+0.02								
W-12S	0	+0.02								
W-12M	0	+0.03								
W-12D	0	-0.21								
W-13	0	+0.04								
W-14S	0	+0.01								
W-14M	0	+0.02								
14D	0	-0.08								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.98
BAROMETER (after): ~~30~~ 30.00

BY C. Wilson DATE: 9/12/91 START TIME: ~~8:50~~ 8:20 FINISH TIME: 10:05

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	V!	+0.32								
E-2S	Ø	+0.04								
E-2M	Ø	+0.05								
E-2D	Ø	-0.09								
E-3	Ø	-0.06								
E-4	Ø	-0.01								
E-5S	Ø	-0.01								
E-5M	Ø	-0.05								
E-5D	Ø	0.02								
E-6	Ø	+0.06								
E-7	Ø	-0.02								
E-8S	Ø	0.14								
E-8M	Ø	-0.02								
E-8D	Ø	-0.32								
E-9	Ø	+0.06								
E-10										
E-11S	Ø	-0.03								
E-11M	Ø	-0.04								
E-11D	Ø	-0.35								
E-12	Ø	+0.23								
E-13	Ø	+0.01								
E-14S	Ø	-0.05								
E-14M	Ø	-0.01								
E-14D	Ø	+0.07								

Comments:
E-10 : Probe reading not taken due to structural damage of probe casing.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
Bradley EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.82
BAROMETER (after): 29.80

BY: DRAGHN DATE: 9/17/91 START TIME: 2:00 FINISH TIME: 3:15

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (" wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.02								
E-2S	4	+0.02								
E-2M	Ø	+0.02								
E-2D	Ø	+0.14								
E-3	Ø	+0.04								
E-4	2	+0.02								
E-5S	Ø	+0.04								
E-5M	Ø	+0.09								
E-5D	Ø	+0.02								
E-6	Ø	+0.07								
E-7	Ø	+0.06								
E-8S	Ø	+0.04								
E-8M	Ø	+0.07								
E-8D	25	+0.35								
E-9	Ø	+0.03								
E-10	PROBE DAMAGED - CRUSHED CASING - EARTH CAVE IN									
E-11S	Ø	+0.01								
E-11M	Ø	+0.05								
E-11D	Ø	+0.04								
E-12	Ø	+0.05								
E-13	Ø	+0.03								
E-14S	Ø	+0.01								
E-14M	Ø	+0.05								
E-14D	Ø	+0.34								

Comments:

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.80
BAROMETER (after): 29.79

BY: DRAGAN DATE: 9/17/91 START TIME: 3:15 FINISH TIME: 4:25

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (*wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+0.05								
W-1M	Ø	+0.11								
W-1D	Ø	+0.20								
W-2A	Ø	+0.11								
W-2B	Ø	+0.09								
W-3S	Ø	+0.06								
W-3M	Ø	+0.11								
W-3D	Ø	+0.19								
W-4	Ø	+0.04								
W-5S	Ø	+0.03								
W-5M	Ø	+0.05								
W-5D	Ø	+0.14								
W-6	2.5	+0.07								
W-7S	Ø	+0.03								
W-7M	Ø	+0.09								
W-7D	2.5	+0.20								
W-8	Ø	+0.03								
W-9A	Ø	+0.03								
W-9B	Ø	+0.02								
W-10S	Ø	+0.04								
W-10M	Ø	+0.34								
W-10D	Ø	+0.04								
W-11	Ø	+0.06								
W-12S	Ø	+0.02								
W-12M	Ø	+0.03								
W-12D	Ø	+0.41								
W-13	Ø	+0.13								
W-14S	Ø	+0.04								
W-14M	Ø	+0.09								
W-14D	Ø	+0.22								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.89
BAROMETER (after): 29.89

BY C. Wilson DATE: 9/26 START TIME: 2:00 FINISH TIME: 3:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (" wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.04								
E-2S	2	+0.09								
E-2M	0	+0.03								
E-2D	0	+0.20								
E-3	Ø	+0.07								
E-4	9	+0.06								
E-5S	Ø	+0.13								
E-5M	Ø	+0.20								
E-5D	Ø	-0.05								
E-6	Ø	+0.07								
E-7	Ø	-0.17								
E-8S	Ø	+0.06								
E-8M	Ø	+0.11								
E-8D	Ø	+0.25								
E-9	1	+0.07								
E-10	Ø	+0.31								
E-11S	—	—								
E-11M	—	—								
E-11D	—	—								
E-12	Ø	+0.05								
E-13	Ø	-0.03								
E-14S	Ø	-0.03								
E-14M	Ø	+0.15								
E-14D	Ø	+0.06								

Comments: E-11 Probe's steel casing has structural damage. Mark Messner will be repairing E-11, ~~shortly~~ as soon as possible.

2

Valley Reclamation
9227 Tujunga Ave.
Sun Valley, Ca 91352
(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

cc: G. Loughnane
J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.84
BAROMETER (after): 29.84

BY: C. Wilson DATE: 9/26 START TIME: 3:00 FINISH TIME: 3:50

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (" wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+ 0.18								
W-1M	Ø	+ 0.10								
W-1D	Ø	+ 0.00								
W-2A	Ø	+ 0.07								
W-2B	Ø	- 0.14								
W-3S	Ø	+ 0.02								
W-3M	Ø	+ 0.02								
W-3D	Ø	+ 0.06								
W-4	Ø	+ 0.01								
W-5S	Ø	+ 0.06								
W-5M	Ø	+ 0.14								
W-5D	Ø	+ 0.34								
W-6	Ø	+ 0.116								
W-7S	Ø	+ 0.43								
W-7M	Ø	+ 0.23								
W-7D	Ø	+ 0.06								
W-8	Ø	+ 0.05								
W-9A	Ø	- 0.01								
W-9B	2	+ 0.09								
W-10S	Ø	+ 0.05								
W-10M	Ø	+ 0.54								
W-10D	Ø	+ 0.14								
W-11	Ø	+ 0.07								
W-12S	Ø	+ 0.02								
W-12M		+ 0.10								
W-12D	Ø	+ 0.58								
W-13		+ 0.05								
W-14S	Ø	+ 0.013								
W-14M	Ø	+ 0.01								
W-14D	Ø	+ 0.02								

Comments: Probe W-2A and W-9A are old probes.
Probe W-2B and W-9B are new probes.