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AIR EMISSIONS MONITORING REPORT

FIRST QUARTER 1992

2166-05418

LANDFILL AIR EMISSIONS MONITORING REPORT

BRADLEY LANDFILL

FIRST QUARTER 1992

DECEMBER - MARCH

Prepared For:

Valley Reclamation Company
9188 Glenoaks Boulevard
Sun Valley, California 91352

EXECUTIVE SUMMARY

Landfill Air Emissions Monitoring results at the Bradley Landfill and Recycling Center for the first quarter of 1992 (for months December 1991, January, February, and March, 1992) 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.

Foe this quarter only, Valley Reclamation Company has combined four months of data into this quarterly report. This was done to standardize the months normally associated with a quarter. All future quarterly reports will include three months of data.

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1.0 INTRODUCTION

This report presents the results of landfill air emissions monitoring performed at Bradley Landfill during the months December 1991, January, February, and March, 1992 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 December 1991, January, February, and March, 1992. 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 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 are summarized in Appendix B. Ambient air 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 first 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 December 1991, January, February, and March, 1992. 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. There were no detections of TOC as methane above 500ppm noted.

3.2 INTEGRATED SURFACE SAMPLING

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

December	15 ISS grids
January	10 ISS grids
February	12 ISS grids
March	11 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 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 are shown in Tables 2 and 3 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 4 summarizes the collocated sample results collected this quarter.

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 December 1991, January, February, and March, 1992 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 #	Methane %
December	E-8d	16.7
January	W-2B, E-8d	13.6,13.4
February	E-4, E-8d	4.27, <0.1
March	E-4	7.12

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 at the downwind less-than-24-hour sampler location. No significant differences between the halogenated organic compounds were noticed. Analytical results are included in Appendix E and are summarized in Table 4.

TABLE 1
INTEGRATED SURFACE SAMPLES – ANAYLTICAL RESULTS

Compounds	Detection limits	DECEMBER VR058 Grid #1	DECEMBER VR128 Grid #2	JANUARY VR108 Grid #2	JANUARY VR154 Grid #1	FEBRUARY VR137 Grid #3	FEBRUARY VR169 Grid #4	MARCH VR107 Grid #8	MARCH VR162 Grid #9
Total methane in ppm	1.0ppm	2.28 ppm	2.24ppm	2.05ppm	1.93 ppm	NA	NA	2.20ppm	2.12ppm
TGNMO in ppm	1.0ppm	1.09 ppm	ND	4.58 ppm	2.40 ppm	1.91ppm	2.02ppm	1.86ppm	4.48ppm
		(ppb)		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.1	3.08	3.10	4.10	3.74	4.30	6.04	1.10	1.06
Benzyl Chloride	0.8	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND
1,1–dichloroethane	0.4	ND	ND	ND	ND	ND	ND	ND	ND
1,2–dichloroethane	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,1–dichloroethene	0.1	0.14	0.13	0.23	0.21	0.23	0.30	ND	ND
Dichloromethane	0.2	0.86	0.85	0.72	0.66	2.27	2.76	0.50	0.52
Perchloroethene	0.1	0.88	0.86	0.12	0.16	1.23	2.05	0.12	ND
Carbon Tetrachloride	0.06	0.11	0.10	0.11	0.11	0.10	0.10	0.11	0.11
Toluene	0.1	5.64	5.72	14.8	11.1	8.64	13.6	2.22	2.17
1,1,1–trichloroethane	0.06	10.4	11.0	15.8	13.4	2.01	1.62	1.14	1.00
Trichloroethene	0.06	ND	0.084	0.084	0.067	ND	ND	0.065	0.085
Chloroform	0.08	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND	ND	ND
m+p–xylenes	0.4	2.93	2.53	5.04	3.80	5.14	8.52	0.85	0.67
o–xylenes	0.2	1.36	1.46	2.28	1.58	2.59	3.84	0.41	0.36

NOTES
ND = not detected

TABLE 2. 24 HOUR AMBIENT AIR SAMPLES – ANAYLTICAL RESULTS

Concentrations are reported as ppbv unless otherwise noted

Compounds	Detection limits	DECEMBER Upwind VR129	DECEMBER Downwind VR128	JANUARY Upwind VR152	JANUARY Downwind VR154	FEBRUARY Upwind VR166	FEBRUARY Downwind VR169	MARCH Upwind VR172	MARCH Downwind VR173
Total methane in ppm	1.0ppm	2.12ppm	3.29ppm	1.82ppm	2.32 ppm	2.82ppm	1.95ppm	2.33ppm	3.86ppm
TGNMO in ppm	1.0ppm	2.17ppm	2.34ppm	ND	1.21 ppm	5.63ppm	5.46ppm	1.73ppm	4.36ppm
		(ppb)		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.1	2.84	2.70	1.88	1.92	1.23	1.23	1.37	1.68
Benzyl Chloride	0.8	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND
1,1–dichloroethane	0.4	ND	ND	ND	ND	ND	ND	ND	ND
1,2–dichloroethane	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,1–dichloroethene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	0.2	1.06	0..96	0.65	0.94	0.45	0.75	0.62	0.40
Perchloroethene	0.1	0.38	0.51	0.26	0.34	0.20	0.19	0.19	0.26
Carbon Tetrachloride	0.06	0.13	0.11	0.12	0.12	0.11	0.098	0.11	0.12
Toluene	0.1	6.80	6.19	4.28	4.48	2.50	2.90	3.94	4.68
1,1,1–trichloroethane	0.06	10.1	4.49	4.82	4.50	1.53	4.04	2.62	2.02
Trichloroethene	0.06	0.074	0.11	0.078	0.12	0.086	0.069	0.089	0.063
Chloroform	0.08	0.11	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND	ND	ND
m+p–xylenes	0.4	3.75	2.82	2.24	2.02	1.01	1.02	1.09	1.55
o–xylenes	0.2	0.44	0.85	2.77	2.64	0.63	0.65	0.66	0.77

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	DECEMBER Upwind VR127	DECEMBER Downwind VR125	JANUARY Upwind VR150	JANUARY Downwind VR151	FEBRUARY Upwind VR167	FEBRUARY Downwind VR165	MARCH Upwind VR174	MARCH Downwind VR170
Total methane in ppm	1.0ppm	2.12ppm	3.02ppm	1.81ppm	2.07 ppm	1.84ppm	2.22ppm	2.75ppm	3.70ppm
TGNMO in ppm	1.0ppm	1.13ppm	2.44ppm	1.88ppm	ND	5.04ppm	3.98ppm	2.67ppm	4.23ppm
		(ppb)		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.1	1.23	1.73	0.92	0.48	1.17	1.23	1.26	1.88
Benzyl Chloride	0.8	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND
1,1–dichloroethane	0.4	ND	ND	ND	ND	ND	ND	ND	ND
1,2–dichloroethane	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,1–dichloroethene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	0.2	0.69	0.73	0.30	0.42	0.38	0.44	0.83	0.62
Perchloroethene	0.1	0.19	0.24	ND	ND	0.24	0.25	0.18	0.40
Carbon Tetrachloride	0.06	0.10	0.10	0.10	0.11	0.11	0.11	0.10	0.10
Toluene	0.1	3.18	3.09	2.29	1.70	2.04	2.10	3.77	7.06
1,1,1–trichloroethane	0.06	2.78	1.75	0.63	1.45	1.12	1.28	4.02	2.27
Trichloroethene	0.06	ND	0.072	0.064	0.062	ND	ND	ND	0.11
Chloroform	0.08	ND	ND	ND	0.08	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND	ND	ND
m+p–xylenes	0.4	3.49	1.41	0.85	0.48	0.70	0.77	1.19	2.36
o–xylenes	0.2	0.79	0.22	1.23	0.71	0.39	0.52	0.64	1.28

NOTES
ND = not detected

TABLE 4. LESS THAN 24 HOUR CO-LOCATED AMBIENT AIR SAMPLES – ANAYLTICAL RESULTS

Concentrations are reported as ppbv unless otherwise noted

Compounds	Detection limits	DECEMBER Downwind VR125	DECEMBER Co-located VR126	JANUARY Downwind VR151	JANUARY Co-located VR155	FEBRUARY Downwind VR165	FEBRUARY Co-located VR168	MARCH Downwind VR170	MARCH Co-located VR171
Total methane in ppm	1.0ppm	3.02ppm	3.14 ppm	2.07 ppm	2.04 ppm	2.22ppm	2.28ppm	3.70ppm	3.77ppm
TGNMO in ppm	1.0ppm	2.44ppm	1.21 ppm	ND	1.65	3.98ppm	5.84ppm	4.23ppm	4.29ppm
		ppb		ppb		ppb		ppb	
Acetonitrile	0.8	ND	ND	ND	54	ND	ND	ND	ND
Benzene	0.1	1.73	1.85	0.48	0.48	1.23	1.10	1.88	1.87
Benzyl Chloride	0.8	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	0.4	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	0.2	0.73	0.70	0.42	0.44	0.44	0.49	0.62	0.62
Perchloroethene	0.1	0.24	0.24	ND	ND	0.25	0.25	0.40	0.46
Carbon Tetrachloride	0.06	0.10	0.10	0.11	0.12	0.11	0.099	0.10	0.11
Toluene	0.1	3.09	3.96	1.70	1.57	2.10	1.90	7.06	5.87
1,1,1-trichloroethane	0.06	1.75	1.72	1.45	1.38	1.28	1.22	2.27	2.37
Trichloroethane	0.06	0.072	0.066	0.062	0.070	ND	0.080	0.11	0.11
Chloroform	0.08	ND	ND	0.08	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND	ND	ND
m+p-xylenes	0.4	1.41	4.59	0.48	0.54	0.77	0.57	2.36	2.29
o-xylenes	0.2	0.22	0.82	0.71	1.01	0.52	0.36	1.28	1.22

NOTES:
ND = not Detected

TABLE 5

Internal Gas Samples – Analytical Results

Compounds	Detection limits	December VR105	January VR081	Feburary VR127	March VR125
		Compounds measured in ppm V/V			
Hydrogen Sulfide	1.0 ppm	44.2	39.1	44.0	45.7
TGNMO in ppm	0.5 ppm	4550	9140	8260	6900
		Compounds measured in percentage V/V			
Methane	0.2%	40.4	36.9	37.4	44.4
Carbon Dioxide	0.2%	39.2	33.9	33.6	39.7
Oxygen	0.2%	0.86	3.94	4.70	0.92
Nitrogen	0.2%	18.8	25.5	24.8	17.2
		Compounds measured in ppb V/V			
Acetonitrile	5.0	9.16	18.2	9.14	15.6
Benzene	50	2120	1970	1750	2510
Benzyl Chloride	100	ND	ND	ND	ND
Chlorobenzene	50	1140	1140	506	1170
Dichlorobenzene	100	96.4	813	360	332
1,1–dichloroethane	100	2530	4210	3800	4340
1,2–dichloroethane	20	361	693	294	362
1,1–dichloroethene	30	656	676	656	738
Dichloromethane	15	7490	6770	7680	9780
Perchloroethene	2	24000	18200	31800	29400
Carbon Tetrachloride	1	ND	ND	ND	ND
Toluene	75	70800	86200	60600	84200
1,1,1–trichloroethane	5	48.6	82.8	150	220
Trichloroethene	4	5410	6910	5800	5780
Chloroform	2	ND	8.01	3.09	3.10
Vinyl Chloride	20	2810	2470	2670	3040
m+p–xylenes	100	26800	81900	25400	28400
o–xylenes	60	6190	11700	6530	6440

NOTES
ND = not detected

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

A Waste Management Company

April 22, 1992

Mr. Jay Chen
South Coast Air Quality Management District
21865 East Copley Drive
Diamond Bar, CA 91765-4182

Subject: **SCAQMD Rule 1150.1 First Quarter Monitoring Report**
Bradley Landfill

Dear Jay:

Please find enclosed Tedlar Bag Purging/Inspection/& Field Data Sheets. These pages were inadvertently omitted from the referenced report sent to you on April 20, 1992. We apologize for any inconvenience this may cause you.

Sincerely,

Susan Kilgore

Susan Kilgore
Environmental Specialist

:jw
Enclosures

cc: Mark Adams

F/VR:Rule 1150.1 Monitoring 1st Quarter 1992

APPENDIX A

INSTANTANEOUS SURFACE SWEEP REPORT AND SITE MAP

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: JANUARY 20, 1992

TO: JOHN MAYS

FROM: COZETTA WILSON CW

SUBJECT: GAS EMISSION SURVEY CARRIED OUT ON BRADLEY WEST, BRADLEY WEST EXTENSION AND BRADLEY EAST LANDFILLS ON DECEMBER 16 and 17, 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 - 12:30 December 16, 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 December 17, 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: 9:30 - 12:30 December 16, 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: 1:00 - 3:30 December 17, 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: OVA SWEEP

OPERATOR: Wilson

DATE: 12/17/91 **Start** 11:30 **Finish** 11:40

Model # Century OVA
Serial # 40501 0

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	3.5 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%	3.5
95	95	100%	3.5
900	900	100%	3.5

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	10	8	80%
	95	95	100%
2.	900	900	100%

Instrument calibrated to CH_4 gas

COMMENTS:
1:00 5.6 mph
1:30 1.7
2:00 2.84
2:30 1.03
3:00 1.01
3:30 7.92

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: OVA SWEEP

PURPOSE: 234

OPERATOR: Wilson

DATE: 12/16/91 **Start** 8:30 **Finish** 8:35

Model # Century OVA
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	100%	4
95	95	↓	4
900	900		4

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
	10	7.5	75%
1.	95	95	100%
2.	900	900	100%

Instrument calibrated to CH_4 gas

COMMENTS:

mph	
7.1	9:30
5.2	10:00
1.6	10:30
.83	11:00
1.19	11:30
1.84	12:00
1.06	12:30

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: JANUARY 20, 1992

TO: JOHN MAYS

FROM: SUSAN KILGORE SK

SUBJECT: **RESPONSE TO POINT SOURCE EMISSIONS DECEMBER 16 and 17, 1991**

In response to the Gas Emission Survey performed by Environmental Technician Cozetta Wilson on December 16 and 17, 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 12/91

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: FEBRUARY 27, 1992

TO: JOHN MAYS

FROM: COZETTA WILSON

SUBJECT: GAS EMISSION SURVEY CARRIED OUT ON BRADLEY WEST, BRADLEY WEST EXTENSION AND BRADLEY EAST LANDFILLS ON JANUARY 30 and 31, 1992

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 anemometer 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: 13:30 - 13:50 January 30, 1992

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: 8:53 - 11:00 January 31, 1992

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: 8:53 - 11:00 January 31, 1992

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: 13:30 - 15:30 January 30, 1992

There 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: MARCH 10, 1992

TO: JOHN MAYS

FROM: COZETTA WILSON

SUBJECT: GAS EMISSION SURVEY CARRIED OUT ON BRADLEY WEST, BRADLEY WEST EXTENSION AND BRADLEY EAST LANDFILLS ON FEBRUARY 21 and 25, 1992

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 anemometer 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: 14:30 - 17:00 February 21, 1992

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: 14:30 - 17:00 February 21, 1992

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: 12:10 - 13:00 February 25, 1992

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: 14:30 - 17:00 February 21, 1992

There 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

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: April 14, 1992

TO: JOHN MAYS

FROM: COZETTA WILSON

SUBJECT: GAS EMISSION SURVEY CARRIED OUT ON BRADLEY WEST, BRADLEY WEST EXTENSION AND BRADLEY EAST LANDFILLS ON MARCH 2, 1992

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 anemometer 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: 10:OO - 2:00 March 2, 1992

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: 10:00 - 2:00 March 2, 1992

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: 10:00 - 2:00 March 2, 1992

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 - 2:00 March 2, 1992

There 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:

PURPOSE:

OPERATOR:

DATE: 3/5/92 **Start** 9:43 **Finish** 9:48

Model # Century 128
Serial # 40581

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery Test	(Pass)/Fail	Perform Three Point Internal Calibration Before Use.
Reading Following Ignition	4.2 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)
90		100%	4.2
95		100%	
900		100%	

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	8		
	91		
2.	900		

Instrument calibrated to CH4 gas

COMMENTS:

1.03	10:00	2.78	1:00
6.08	10:30	1.31	1:30
7.13	10:00		
0.52	11:30		
1.19	12:00		
1.02	12:30		

PARTIALLY SCANNED OVERSIZE ITEM(S)

See document # 2199227
for partially scanned image(s).
1 TO 4 OF 16

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

APPENDIX B

METEROLOGICAL DATA

AMBIENT AIR DATA
DECEMBER, 1991

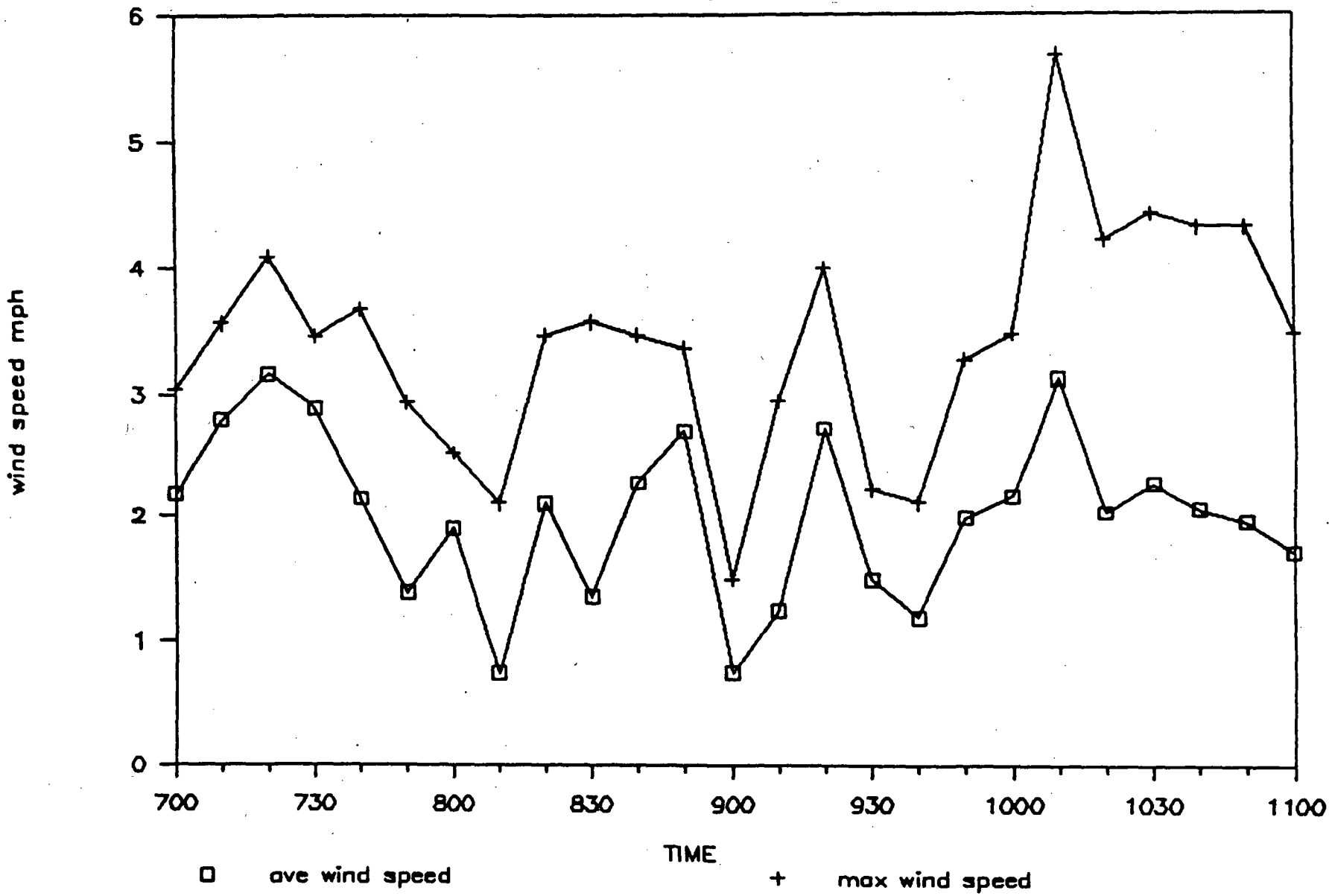
	DAT	TIME	AVE WIND SPEED	MAX WIND SPEED
12	23	700	2.177	3.049
12	23	710	2.8	3.575
12	23	720	3.173	4.1
12	23	730	2.896	3.47
12	23	740	2.14	3.68
12	23	750	1.371	2.944
12	23	800	1.893	2.523
12	23	810	0.741	2.103
12	23	820	2.102	3.47
12	23	830	1.34	3.575
12	23	840	2.268	3.47
12	23	850	2.7	3.364
12	23	900	0.74	1.472
12	23	910	1.226	2.944
12	23	920	2.716	3.995
12	23	930	1.47	2.208
12	23	940	1.168	2.103
12	23	950	1.973	3.259
12	23	1000	2.146	3.47
12	23	1010	3.115	5.678
12	23	1020	2.016	4.206
12	23	1030	2.247	4.416
12	23	1040	2.042	4.311
12	23	1050	1.938	4.311
12	23	1100	1.685	3.47

AMBIENT AIR DATA
DECEMBER, 1991

DATE		TIME	AVE WIND SPEED	MAX WIND SPEED
12	24	800	2.948	3.89
12	24	810	1.797	3.364
12	24	820	1.348	2.418
12	24	830	3.629	5.572
12	24	840	2.008	2.734
12	24	850	1.037	2.103
12	24	900	2.431	3.575
12	24	910	3.508	4.626
12	24	920	2.035	3.049
12	24	930	1.313	3.154

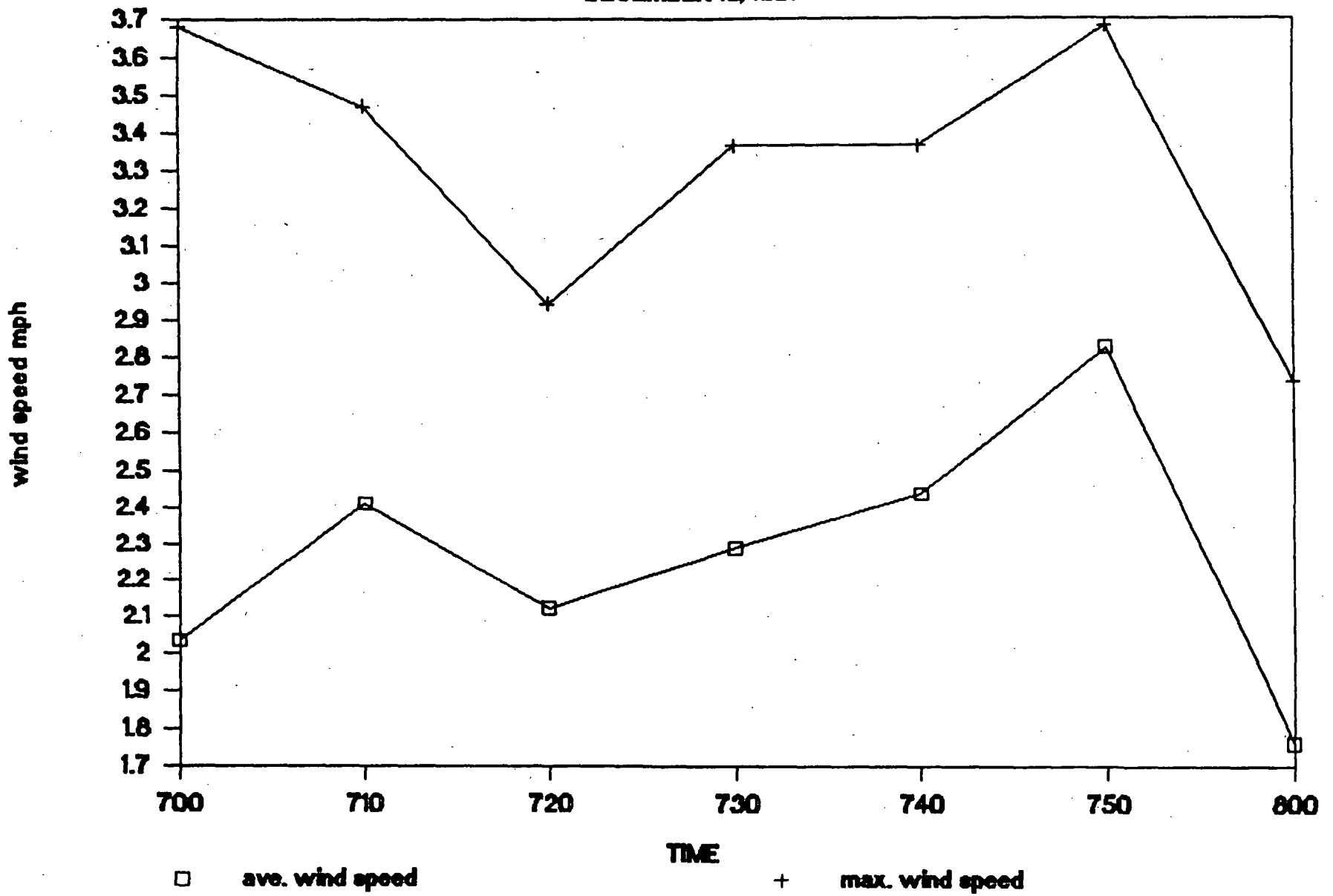
INTEGRATED SURFACE SAMPLE

DECEMBER, 1991



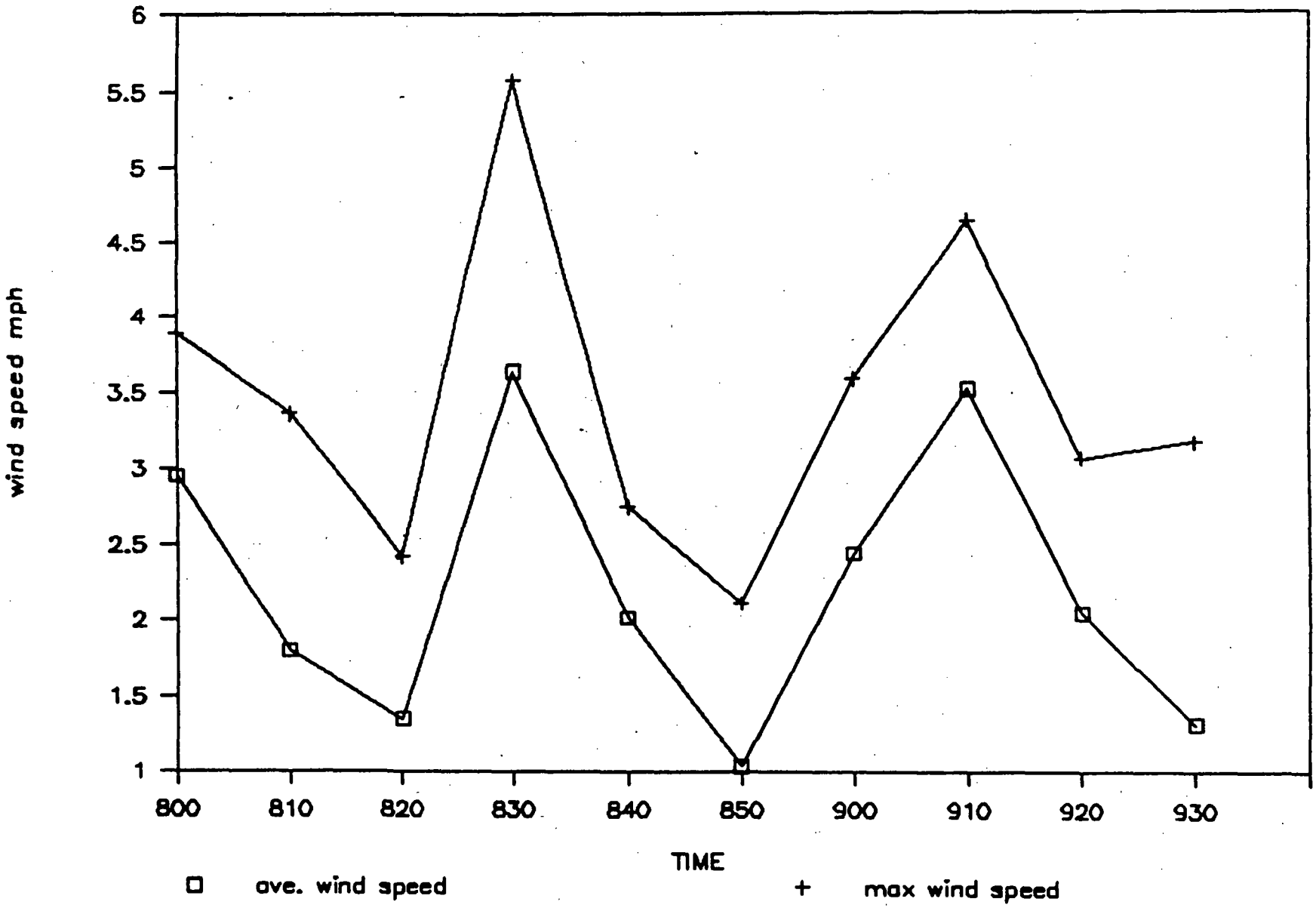
INTEGRATED SURFACE SAMPLE

DECEMBER 19, 1991



INTEGRATED SURFACE SAMPLING

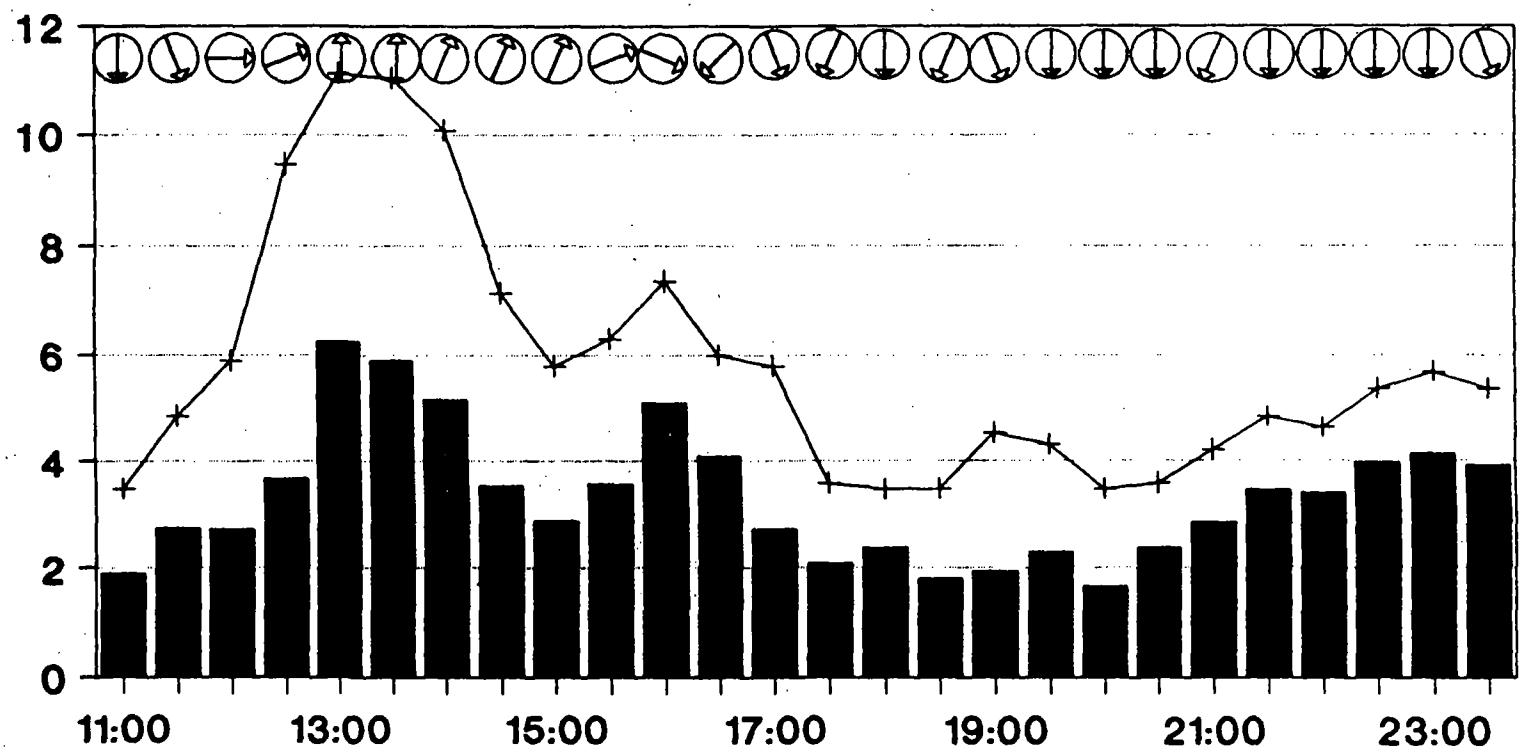
DECEMBER, 1991



AMBIENT AIR DATA
DECEMBER, 1991

DATE		TIME	AVE WIND SPEED	MAX WIND SPEED	AVERAGE WIND DIRECTION		Template for Wind direction	
12	16	1100	1.895	3.47	5.53	SOUTH	0	SOUTH
12	16	1130	2.744	4.836	356.6	SSE	11.25	SSW
12	16	1200	2.718	5.888	272.7	EAST	33.75	SW
12	16	1230	3.677	9.46	217.3	NE	56.25	WSW
12	16	1300	6.27	11.14	185.2	NORTH	78.75	WEST
12	16	1330	5.899	11.04	190.2	NORTH	101.25	WNW
12	16	1400	5.176	10.09	195.6	NNE	123.75	NW
12	16	1430	3.528	7.15	196.3	NNE	146.25	NNW
12	16	1500	2.871	5.783	201.4	NNE	168.75	NORTH
12	16	1530	3.569	6.308	223.1	NE	191.25	NNE
12	16	1600	5.097	7.36	296.3	ESE	213.75	NE
12	16	1630	4.088	5.993	304.6	SE	236.25	ENE
12	16	1700	2.719	5.783	358.4	SSE	258.75	EAST
12	16	1730	2.085	3.575	13.88	SSW	281.25	ESE
12	16	1800	2.372	3.47	10.17	SOUTH	303.75	SE
12	16	1830	1.794	3.47	17.46	SSW	326.25	SSE
12	16	1900	1.926	4.521	296.8	ESE	348.75	SSE
12	16	1930	2.29	4.311	5.471	SOUTH	360	SOUTH
12	16	2000	1.642	3.47	5.185	SOUTH		
12	16	2030	2.372	3.575	2.89	SOUTH		
12	16	2100	2.849	4.206	22.77	SSW		
12	16	2130	3.464	4.836	5.557	SOUTH		
12	16	2200	3.398	4.626	8.71	SOUTH		
12	16	2230	3.971	5.362	4.416	SOUTH		
12	16	2300	4.135	5.678	2.673	SOUTH		
12	16	2330	3.915	5.362	346.9	SSE		

AMBIENT AIR DATA
DECEMBER 16, 1991



LEGEND

Mean wind speed — Max. wind speed

Wind Direction Due North

BRADLEY LANDFILL
AMBIENT AIR METEOROLOGICAL DATA

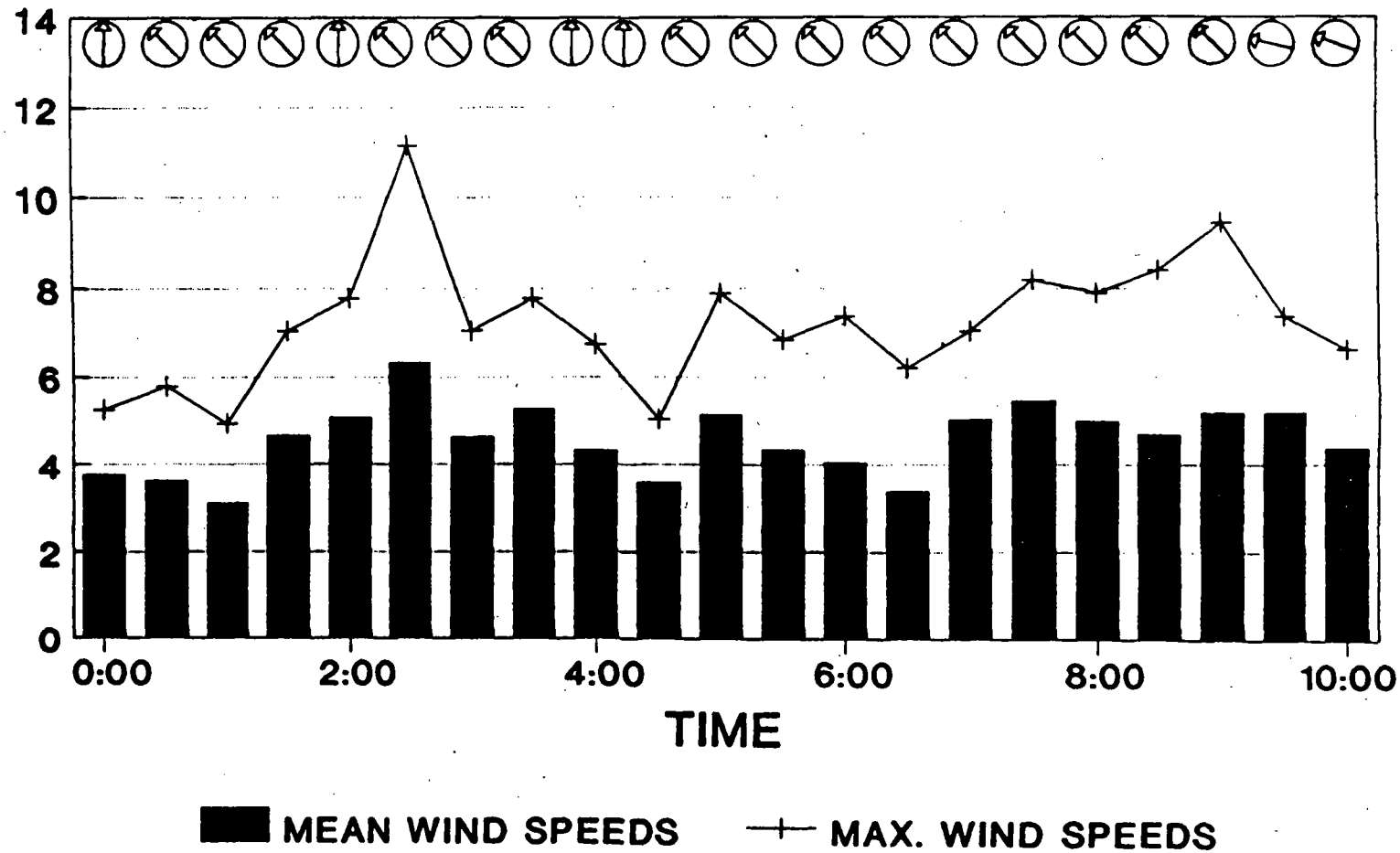
	Date	Time	Ave Wind Speed	Ave Wind Dir	Max Wind Speed
1	30	1000	1.877	317.1	3.785
1	30	1030	2.233	185.5	6.729
1	30	1100	5.372	151.7	7.99
1	30	1130	5.308	152.3	8.2
1	30	1200	4.71	166.1	7.89
1	30	1230	4.745	161.6	7.68
1	30	1300	4.126	153.1	8.31
1	30	1330	4.033	154.6	7.36
1	30	1400	3.858	149.6	10.62
1	30	1430	2.794	164.9	7.57
1	30	1500	2.34	192	6.203
1	30	1530	2.793	175.1	6.729
1	30	1600	5.275	307	13.04
1	30	1630	6.579	317	12.2
1	30	1700	4.204	350.8	7.04
1	30	1730	2.34	353.2	5.993
1	30	1800	2.59	350.1	5.257
1	30	1830	3.461	335	7.36
1	30	1900	3.191	11.97	5.257
1	30	1930	3.927	20.28	6.203
1	30	2000	2.707	4.133	6.414
1	30	2030	3.821	350.2	7.25
1	30	2100	4.361	353.9	7.89
1	30	2130	2.564	10.76	4.521
1	30	2200	3.744	359.4	5.888
1	30	2230	4.646	358	7.36
1	30	2300	4.486	0.811	8.62
1	30	2330	3.455	359.7	5.047

BRADLEY LANDFILL
AMBIENT AIR METEOROLOGICAL DATA

	Date	Time	Ave Wind Speed	Ave Wind Dir	Max Wind Speed
1	31	0	3.766	15.04	5.257
1	31	30	3.623	358.3	5.783
1	31	100	3.094	344.9	4.942
1	31	130	4.676	342.7	7.04
1	31	200	5.084	0.393	7.78
1	31	230	6.33	355.1	11.14
1	31	300	4.633	353	7.04
1	31	330	5.291	348.6	7.78
1	31	400	4.328	1.308	6.729
1	31	430	3.576	2.929	5.047
1	31	500	5.15	344.6	7.89
1	31	530	4.358	353.9	6.834
1	31	600	4.055	348.5	7.36
1	31	630	3.379	355.4	6.203
1	31	700	5.053	340.8	7.04
1	31	730	5.474	348	8.2
1	31	800	5.008	341.7	7.89
1	31	830	4.71	345.1	8.41
1	31	900	5.21	357	9.46
1	31	930	5.204	323.2	7.36
1	31	1000	4.4	311.7	6.624

MONITORING WIND CONDITIONS

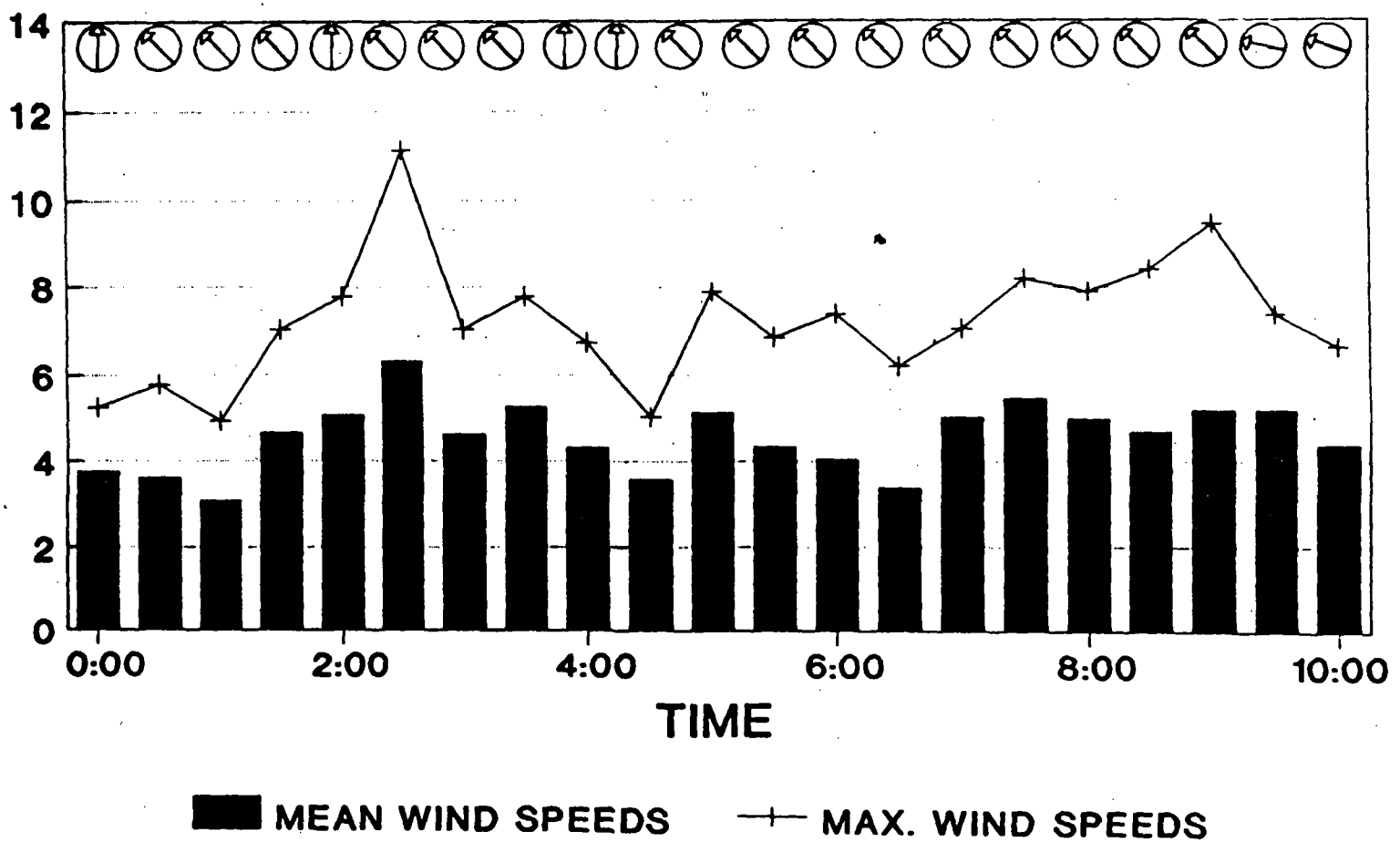
January 31, 1992



(speed in mph)

MONITORING WIND CONDITIONS

January 31, 1992

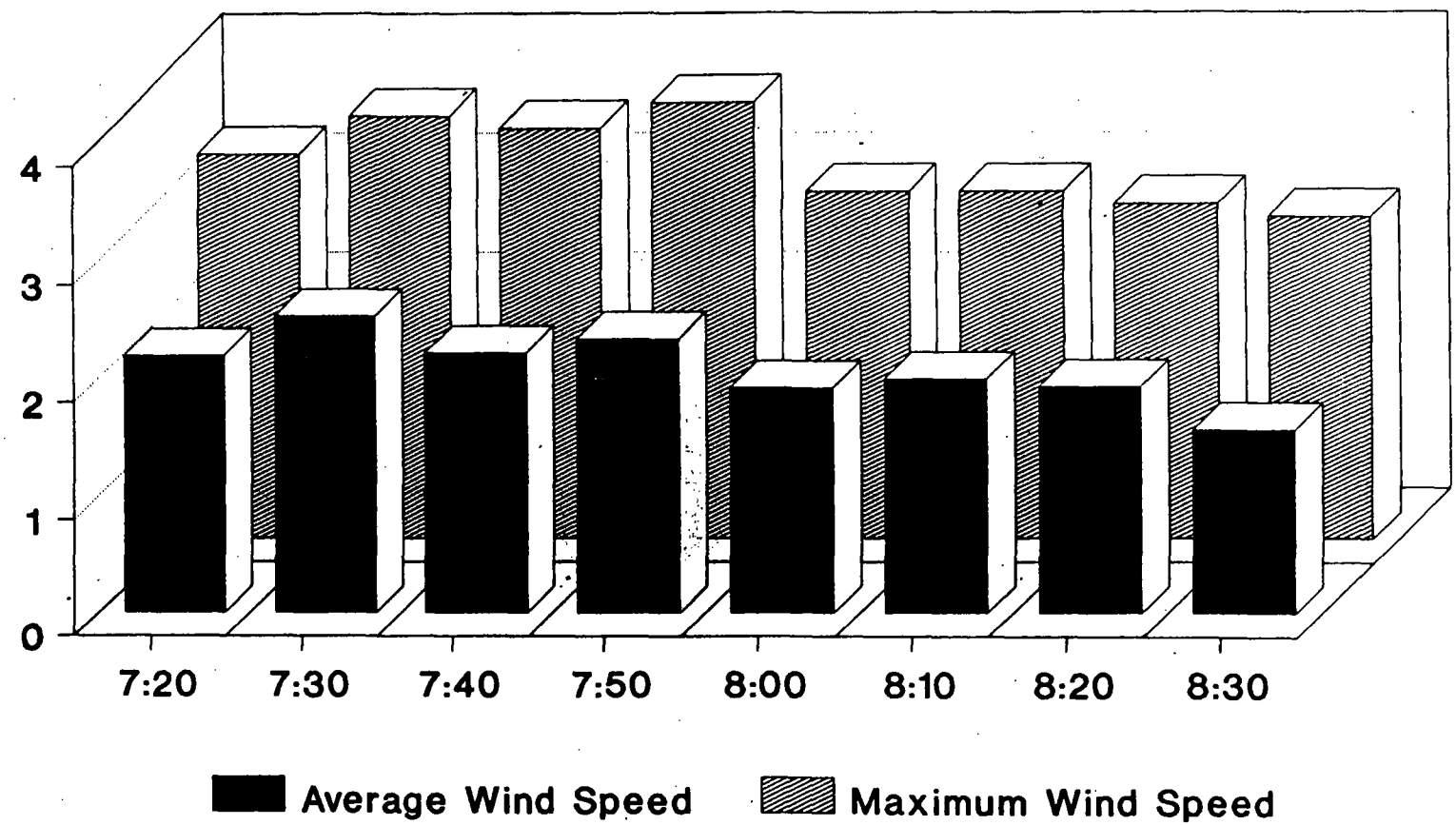


(speed in mph)

MeteorlogogicalWind Data
Integrated Surface Sample

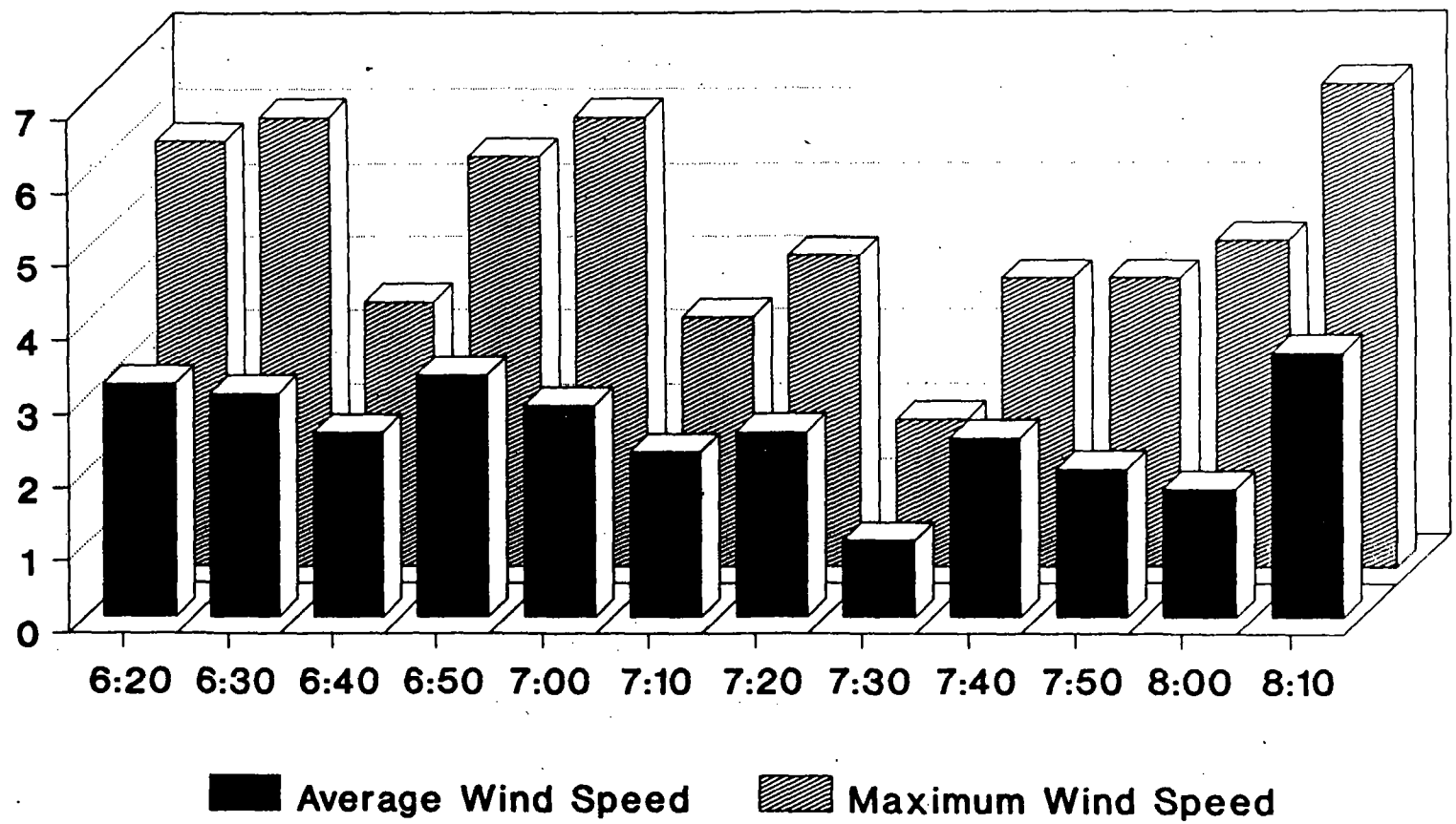
Date	Time	Average Wnd Spd	Maximum Wnd Spd
16-Mar	700	2.20	3.26
16-Mar	710	2.53	3.58
16-Mar	720	2.22	3.47
16-Mar	730	2.33	3.68
16-Mar	740	1.92	2.94
16-Mar	750	1.99	2.94
16-Mar	800	1.93	2.84
16-Mar	810	1.56	2.73
17-Mar	620	3.19	5.78
17-Mar	630	3.05	6.10
17-Mar	640	2.53	3.58
17-Mar	650	3.30	5.57
17-Mar	700	2.89	6.10
17-Mar	710	2.27	3.36
17-Mar	720	2.53	4.21
17-Mar	730	1.07	2.00
17-Mar	740	2.45	3.89
17-Mar	750	2.03	3.89
17-Mar	800	1.76	4.42
17-Mar	810	3.58	6.52

Integrated Surface Sampling
March 17, 1992



Speed in mph

Integrated Surface Sampling
March 18,1992

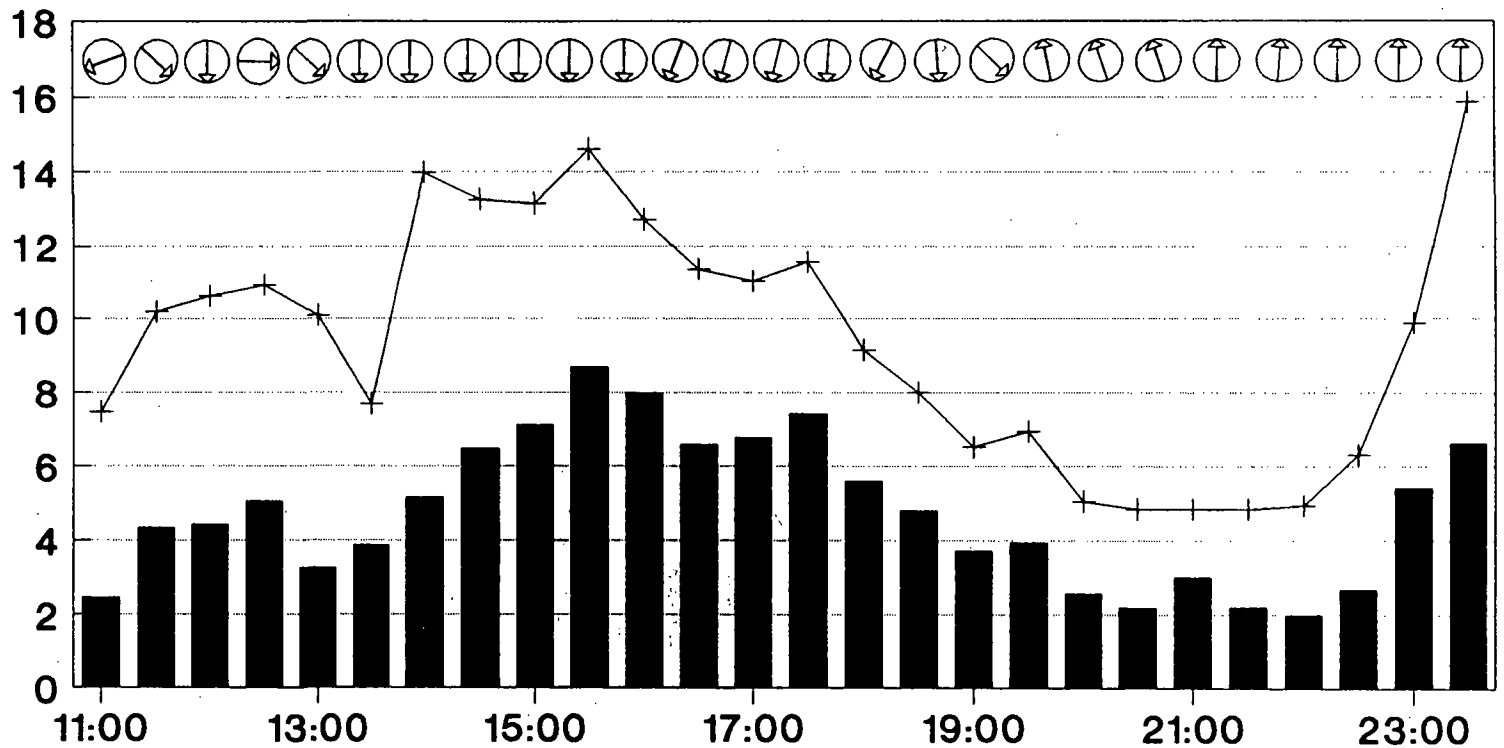


Wind Speed in mph

Bradley Landfill
Ambient Air Wind Data

Date	Time	Average Wnd Spd	Maximum Wnd Spd	Wind Dir.
16-Mar	1100	2.46	7.46	142.50
16-Mar	1130	4.32	10.20	210.10
16-Mar	1200	4.41	10.62	170.00
16-Mar	1230	5.04	10.93	179.40
16-Mar	1300	3.26	10.09	252.90
16-Mar	1330	3.86	7.68	233.30
16-Mar	1400	5.16	13.98	184.10
16-Mar	1430	6.47	13.25	166.10
16-Mar	1500	7.11	13.14	168.80
16-Mar	1530	8.69	14.61	173.60
16-Mar	1600	7.98	12.72	174.90
16-Mar	1630	6.58	11.36	185.20
16-Mar	1700	6.77	11.04	159.90
16-Mar	1730	7.41	11.57	165.00
16-Mar	1800	5.59	9.15	165.90
16-Mar	1830	4.79	7.99	175.70
16-Mar	1900	3.72	6.52	152.40
16-Mar	1930	3.93	6.94	184.30
16-Mar	2000	2.57	5.05	226.20
16-Mar	2030	2.19	4.84	12.59
16-Mar	2100	3.02	4.84	18.96
16-Mar	2130	2.22	4.84	19.22
16-Mar	2200	2.02	4.94	359.00
16-Mar	2230	2.70	6.31	356.40
16-Mar	2300	5.43	9.88	0.84
16-Mar	2330	6.62	15.88	356.60
17-Mar	0	4.99	8.62	359.20
17-Mar	30	2.71	8.52	348.20
17-Mar	100	2.54	7.89	184.20
17-Mar	130	3.15	4.73	180.20
17-Mar	200	2.62	5.26	153.20
17-Mar	230	2.98	6.62	140.60
17-Mar	300	3.04	7.99	136.70
17-Mar	330	2.58	5.26	39.04
17-Mar	400	1.38	3.36	39.55
17-Mar	430	1.80	4.21	53.70
17-Mar	500	3.66	7.57	52.44
17-Mar	530	2.81	5.89	20.06
17-Mar	600	1.73	5.78	41.51
17-Mar	630	3.18	6.83	30.58
17-Mar	700	2.91	6.10	15.14
17-Mar	730	1.96	4.21	35.36
17-Mar	800	2.08	4.42	51.18
17-Mar	830	4.78	8.52	158.30
17-Mar	900	4.65	8.73	131.10
17-Mar	930	3.49	6.31	124.90
17-Mar	1000	4.19	10.09	193.20
17-Mar	1030	4.54	9.88	154.30
17-Mar	1100	4.93	10.20	149.80

Ambient Air Wind Data
March 16, 1992

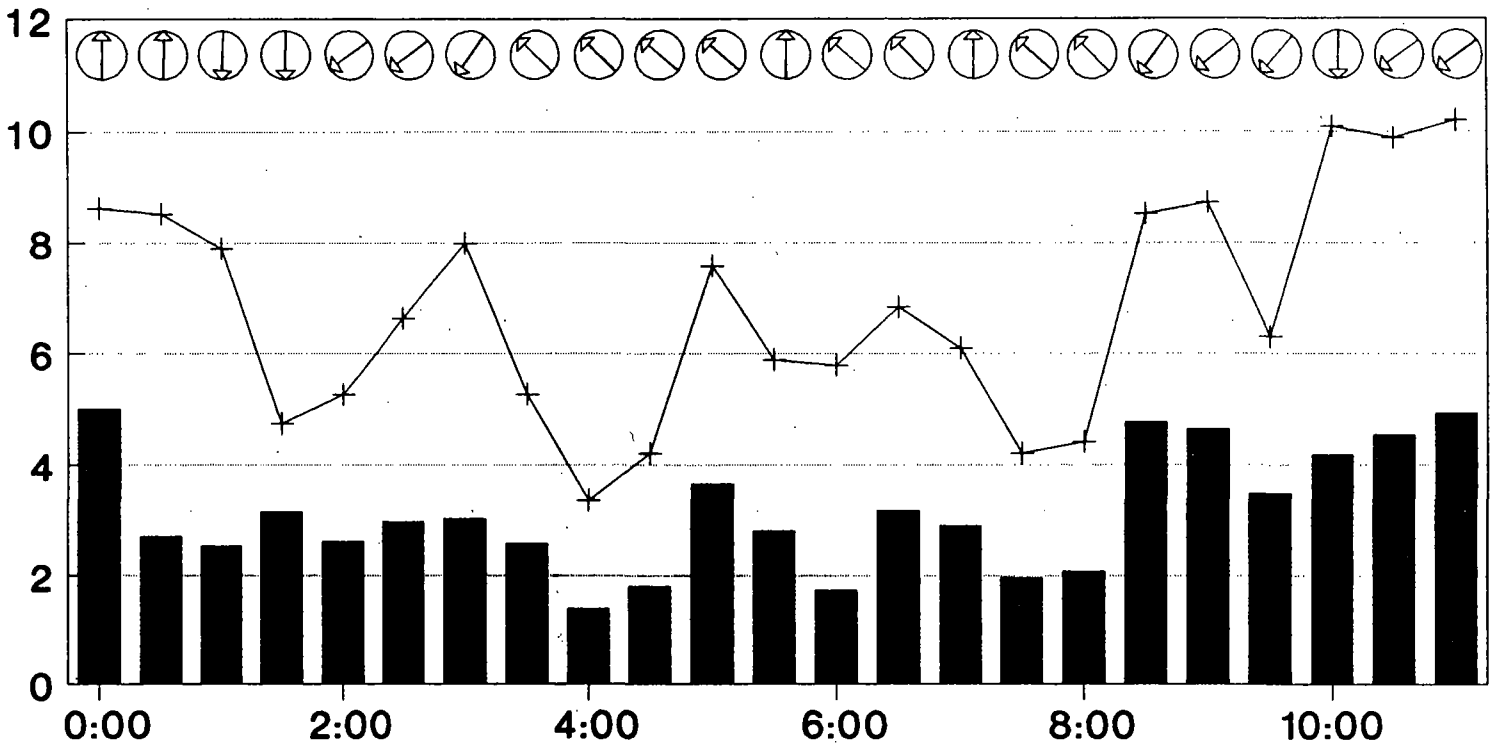


Average Wind Speed Maximum Wind Speed

Direction Wind is Coming From

Wind_Speed in mph

Ambient Air Wind Data
March 17, 1992



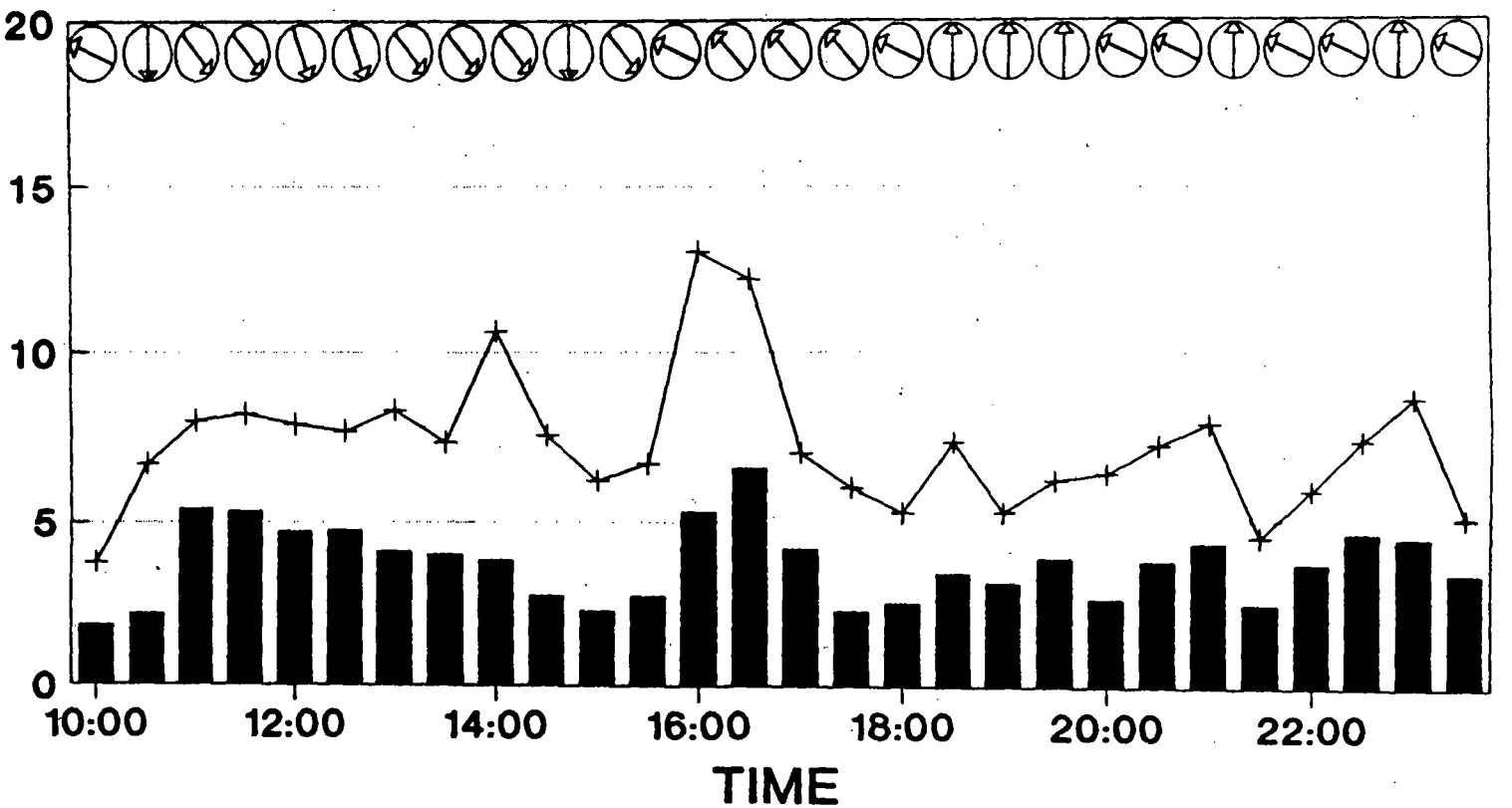
Average Wind Speed — Maximum Wind Speed

Direction Wind is Coming From

Wind Speed in mph

MONITORING WIND CONDITIONS

January 30, 1992



MEAN WIND SPEEDS MAX. WIND SPEEDS

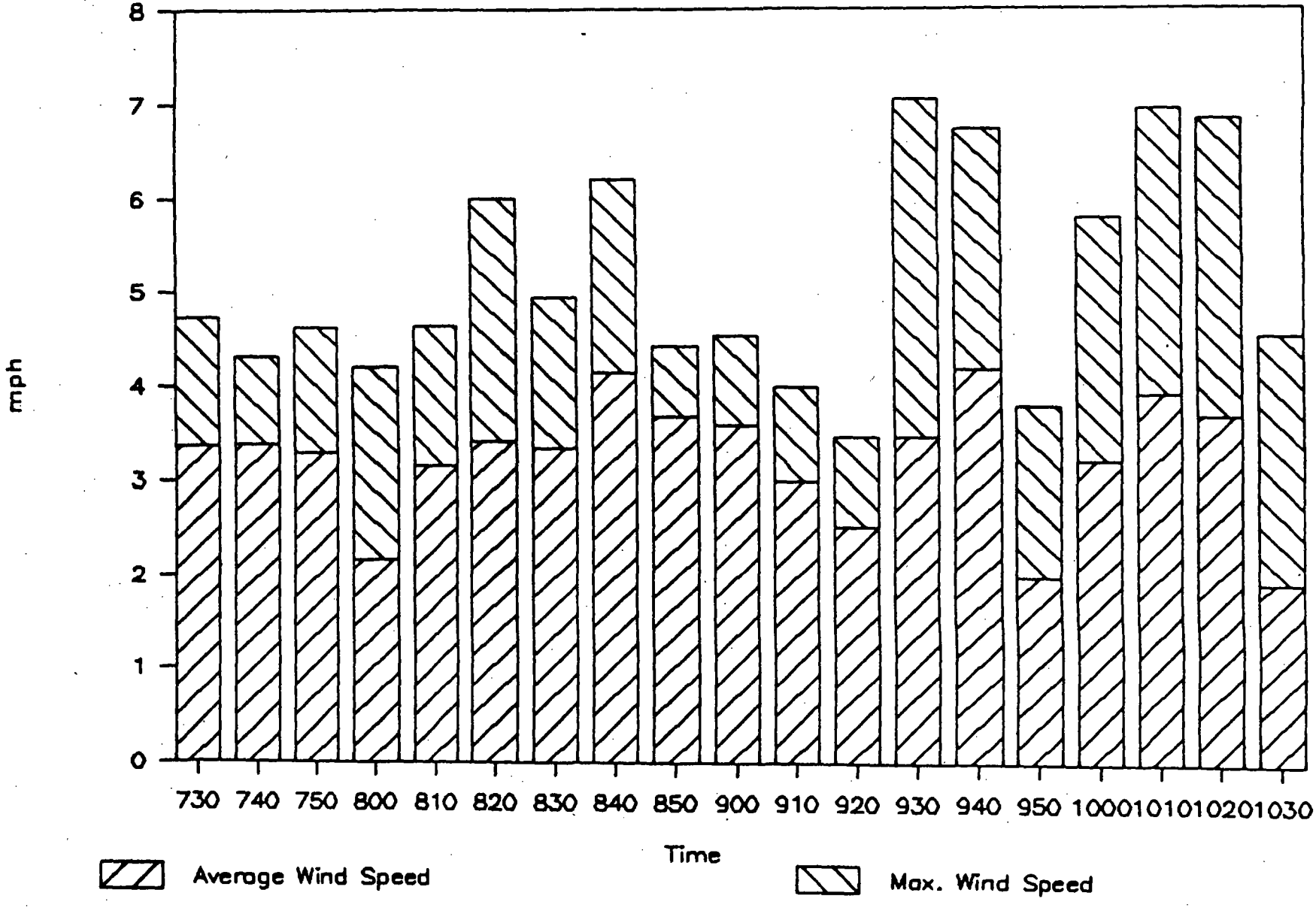
(speed in mph)

INTEGRATED SURFACE SAMPLING METEOROLOGICAL DATA

Date	Time	Ave Wind Speed	Max Wind Speed
28-Jan	730	3.381	4.731
28-Jan	740	3.4	4.311
28-Jan	750	3.301	4.626
28-Jan	800	2.166	4.206
28-Jan	810	3.163	4.626
28-Jan	820	3.428	5.993
28-Jan	830	3.344	4.942
28-Jan	840	4.15	6.203
28-Jan	850	3.688	4.416
28-Jan	900	3.591	4.521
28-Jan	910	2.997	3.995
28-Jan	920	2.514	3.47
28-Jan	930	3.474	7.04
28-Jan	940	4.174	6.729
28-Jan	950	1.985	3.785
28-Jan	1000	3.207	5.783
28-Jan	1010	3.908	6.939
28-Jan	1020	3.69	6.834
28-Jan	1030	1.899	4.521

Integrated Surface Sampling Wind Data

January 28, 1992

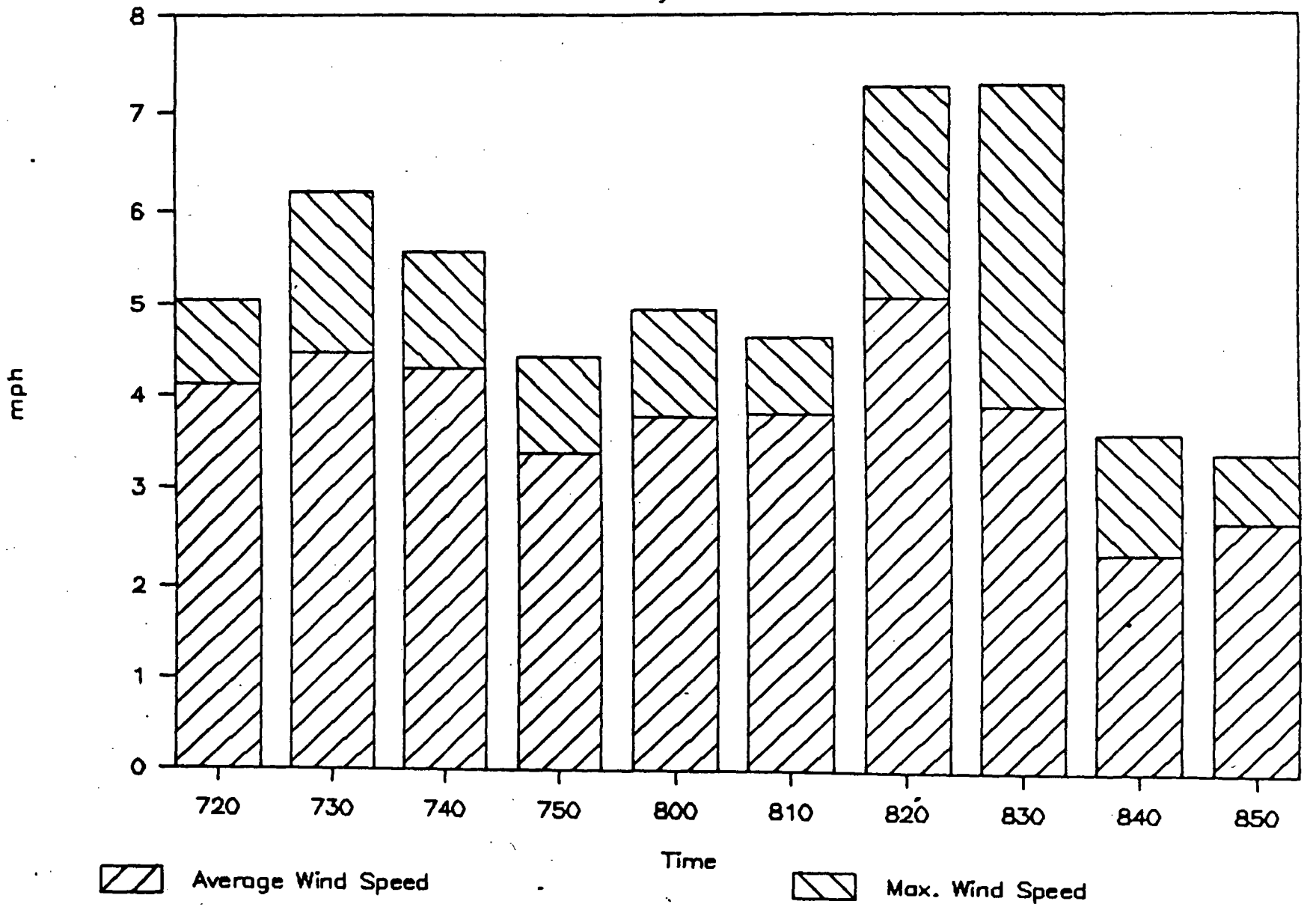


INTEGRATED SURFACE SAMPLING METEOROLOGICAL DATA

Date	Time	Ave Wind Speed	Max Wind Speed
30-Jan	720	4.124	5.047
30-Jan	730	4.465	6.203
30-Jan	740	4.294	5.572
30-Jan	750	3.377	4.416
30-Jan	800	3.773	4.942
30-Jan	810	3.805	4.626
30-Jan	820	5.067	7.25
30-Jan	830	3.881	7.25
30-Jan	840	2.315	3.575
30-Jan	850	2.645	3.364

Integrated Surface Sampling Wind Data

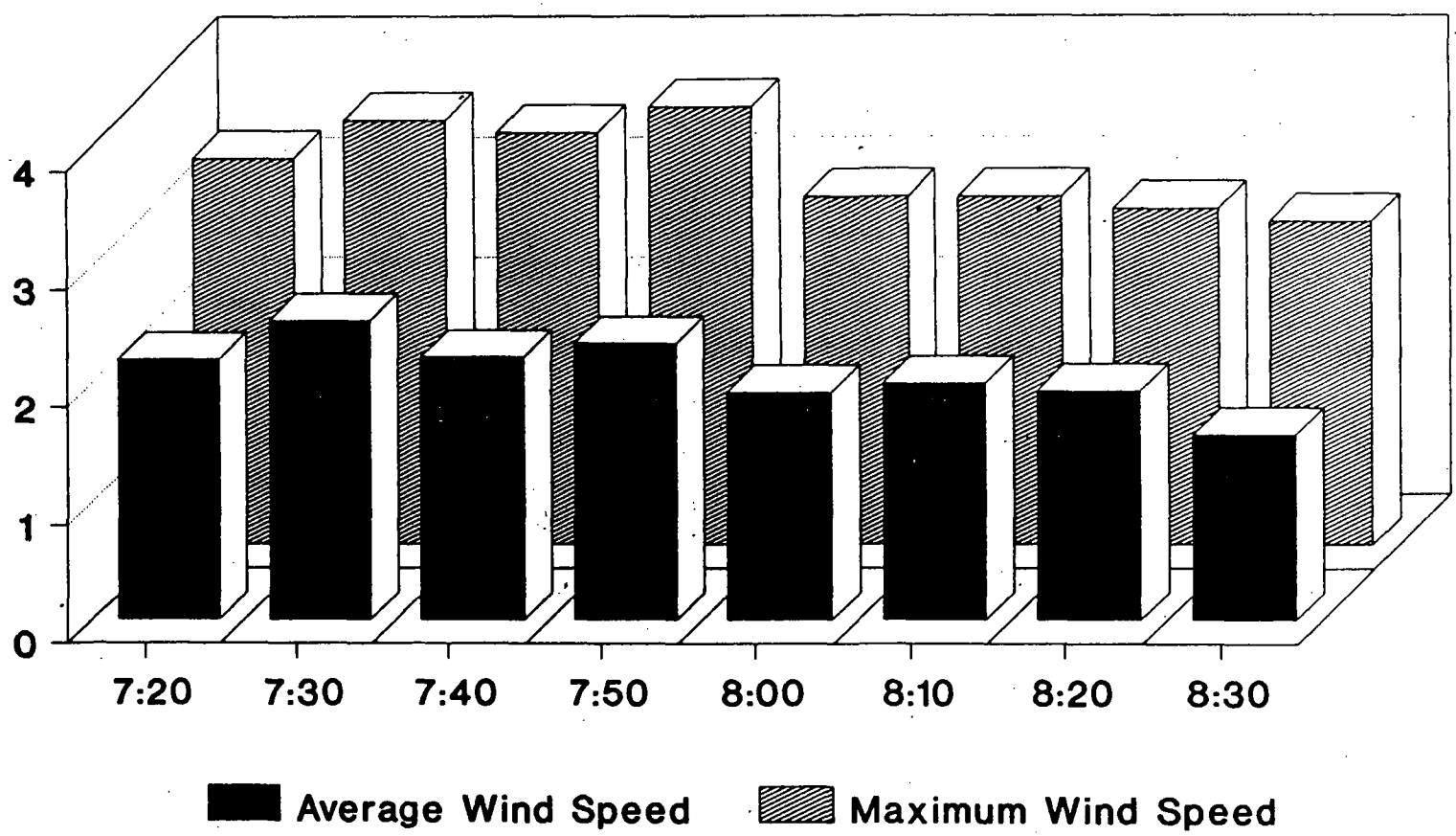
January 30, 1992



MeteorlogogicalWind Data
Integrated Surface Sample

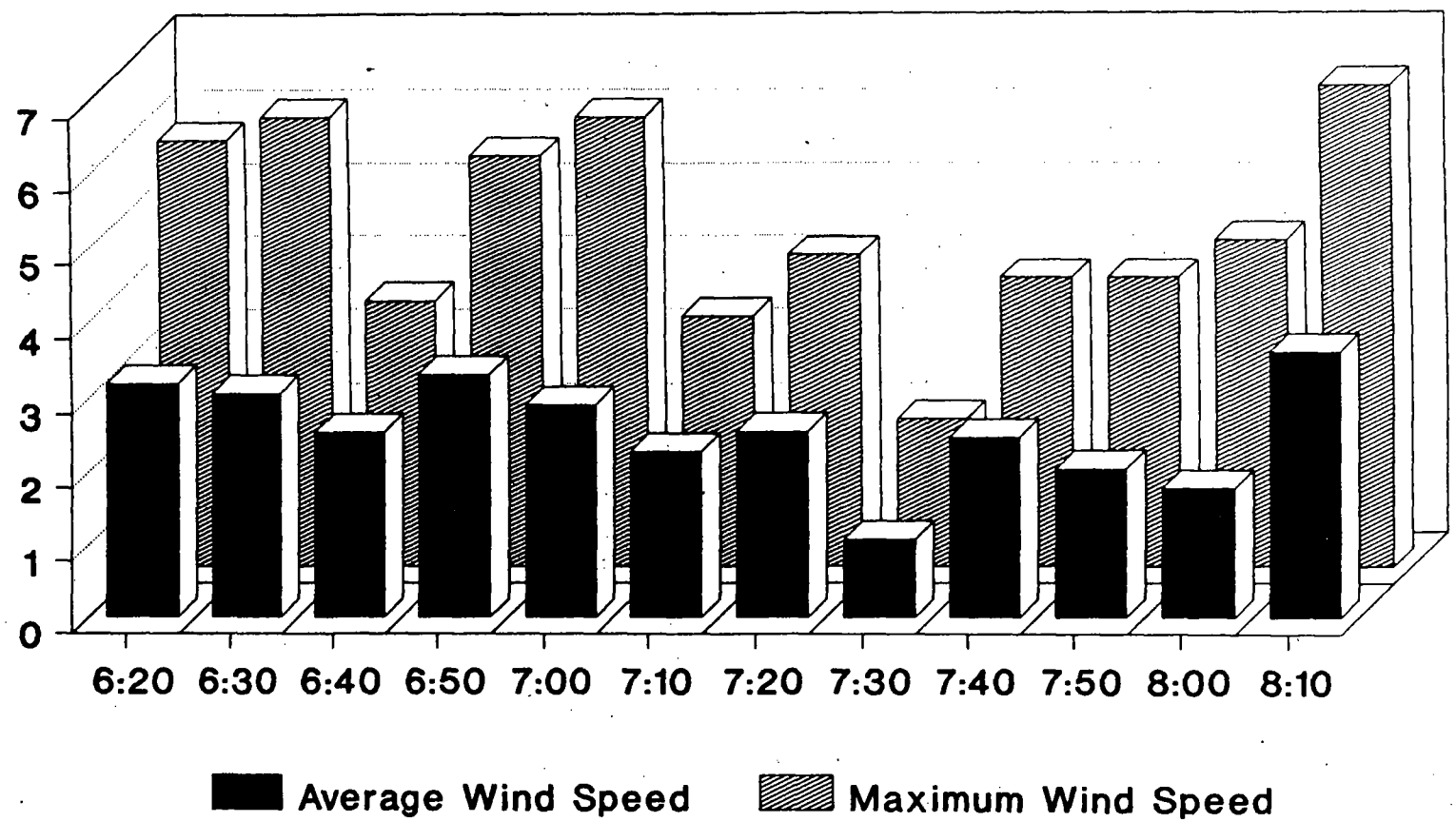
Date	Time	Average Wnd Spd	Maximum Wnd Spd
16-Mar	700	2.20	3.26
16-Mar	710	2.53	3.58
16-Mar	720	2.22	3.47
16-Mar	730	2.33	3.68
16-Mar	740	1.92	2.94
16-Mar	750	1.99	2.94
16-Mar	800	1.93	2.84
16-Mar	810	1.56	2.73
17-Mar	620	3.19	5.78
17-Mar	630	3.05	6.10
17-Mar	640	2.53	3.58
17-Mar	650	3.30	5.57
17-Mar	700	2.89	6.10
17-Mar	710	2.27	3.36
17-Mar	720	2.53	4.21
17-Mar	730	1.07	2.00
17-Mar	740	2.45	3.89
17-Mar	750	2.03	3.89
17-Mar	800	1.76	4.42
17-Mar	810	3.58	6.52

Integrated Surface Sampling
March 17, 1992



Speed in mph

Integrated Surface Sampling
March 18,1992

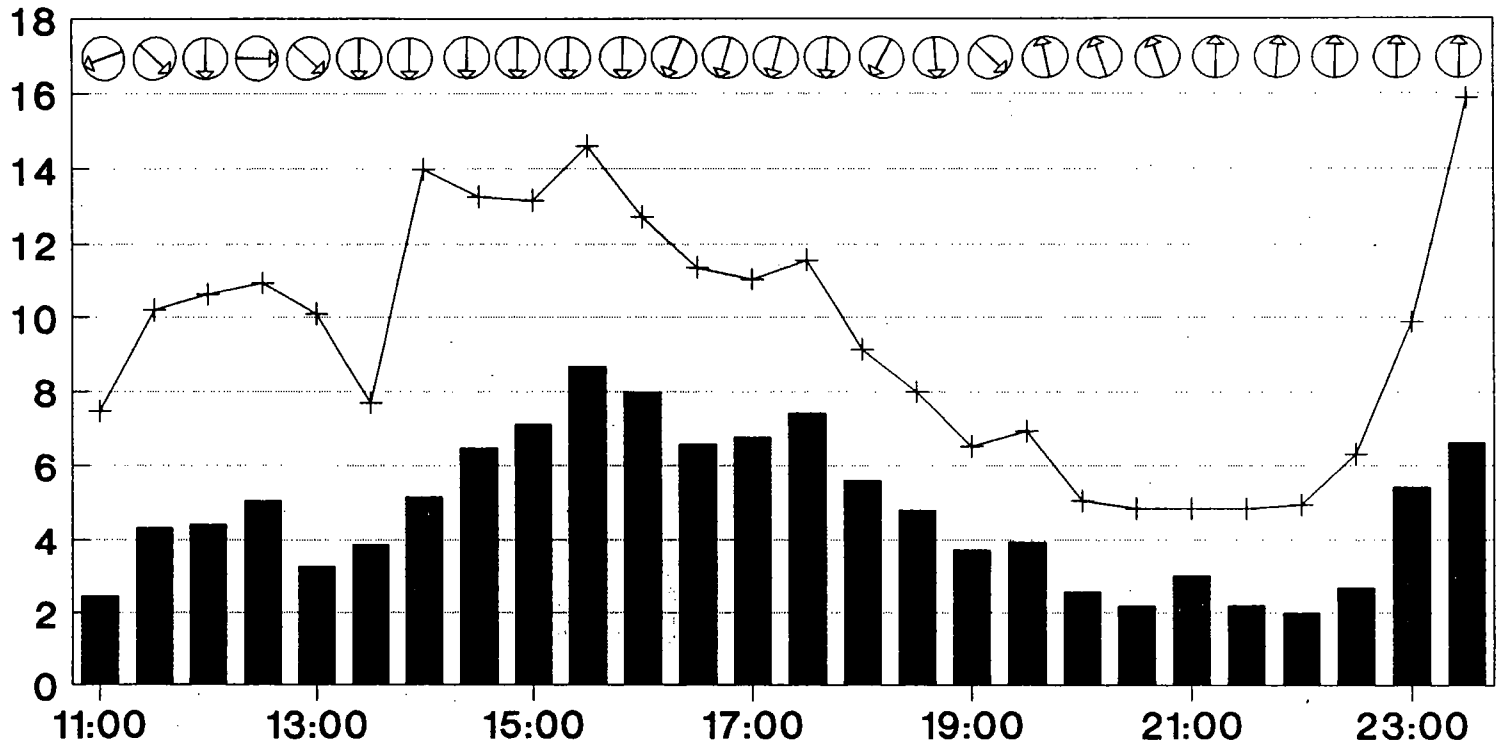


Wind Speed in mph

Bradley Landfill
Ambient Air Wind Data

Date	Time	Average Wnd Spd	Maximum Wnd Spd	Wind Dir.
16-Mar	1100	2.46	7.46	142.50
16-Mar	1130	4.32	10.20	210.10
16-Mar	1200	4.41	10.62	170.00
16-Mar	1230	5.04	10.93	179.40
16-Mar	1300	3.26	10.09	252.90
16-Mar	1330	3.86	7.68	233.30
16-Mar	1400	5.16	13.98	184.10
16-Mar	1430	6.47	13.25	166.10
16-Mar	1500	7.11	13.14	168.80
16-Mar	1530	8.69	14.61	173.60
16-Mar	1600	7.98	12.72	174.90
16-Mar	1630	6.58	11.36	185.20
16-Mar	1700	6.77	11.04	159.90
16-Mar	1730	7.41	11.57	165.00
16-Mar	1800	5.59	9.15	165.90
16-Mar	1830	4.79	7.99	175.70
16-Mar	1900	3.72	6.52	152.40
16-Mar	1930	3.93	6.94	184.30
16-Mar	2000	2.57	5.05	226.20
16-Mar	2030	2.19	4.84	12.59
16-Mar	2100	3.02	4.84	18.96
16-Mar	2130	2.22	4.84	19.22
16-Mar	2200	2.02	4.94	359.00
16-Mar	2230	2.70	6.31	356.40
16-Mar	2300	5.43	9.88	0.84
16-Mar	2330	6.62	15.88	356.60
17-Mar	0	4.99	8.62	359.20
17-Mar	30	2.71	8.52	348.20
17-Mar	100	2.54	7.89	184.20
17-Mar	130	3.15	4.73	180.20
17-Mar	200	2.62	5.26	153.20
17-Mar	230	2.98	6.62	140.60
17-Mar	300	3.04	7.99	136.70
17-Mar	330	2.58	5.26	39.04
17-Mar	400	1.38	3.36	39.55
17-Mar	430	1.80	4.21	53.70
17-Mar	500	3.66	7.57	52.44
17-Mar	530	2.81	5.89	20.06
17-Mar	600	1.73	5.78	41.51
17-Mar	630	3.18	6.83	30.58
17-Mar	700	2.91	6.10	15.14
17-Mar	730	1.96	4.21	35.36
17-Mar	800	2.08	4.42	51.18
17-Mar	830	4.78	8.52	158.30
17-Mar	900	4.65	8.73	131.10
17-Mar	930	3.49	6.31	124.90
17-Mar	1000	4.19	10.09	193.20
17-Mar	1030	4.54	9.88	154.30
17-Mar	1100	4.93	10.20	149.80

Ambient Air Wind Data
March 16, 1992

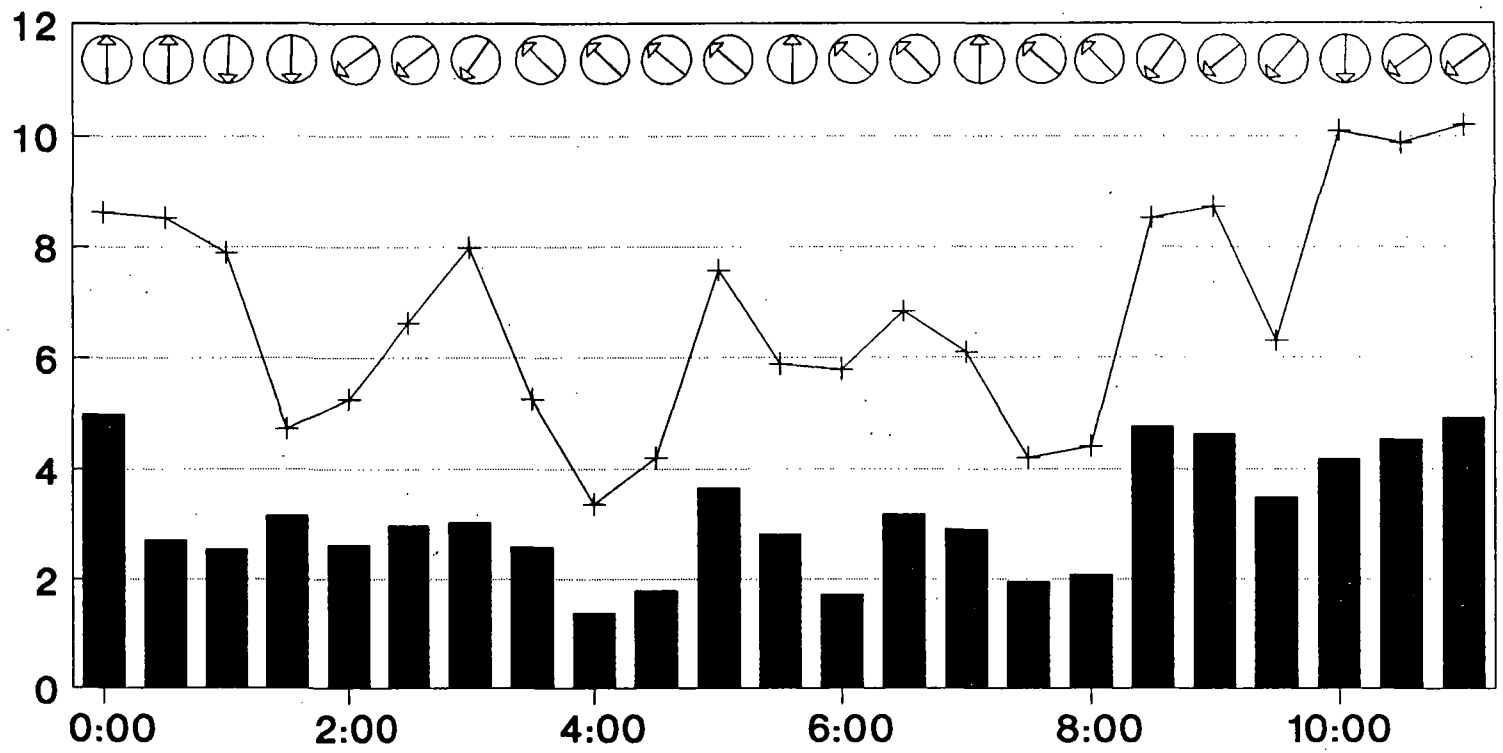


Average Wind Speed — Maximum Wind Speed

Direction Wind is Coming From

Wind Speed in mph

Ambient Air Wind Data
March 17, 1992



Average Wind Speed — Maximum Wind Speed

Direction Wind is Coming From

Wind Speed in mph

APPENDIX C

ISS AND AMBIENT AIR SITE PLAN MAPS

PARTIALLY SCANNED
OVERSIZE ITEM(S)

See document # 2/99227
for partially scanned image(s).

5 TO 8 OF 16

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

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAKAM

sample location GRID #5

bag number VR120

site location 274

sampler number

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

PROGRAM START: DATE 2/23 TIME: 8:20 PROGRAM STOP: DATE 2/23 TIME 8:45

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .3 L/min Stop: .3 L/min

BAROMETER Start: 30.01 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 1.8 ppm

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 Matlock

site location 234

sample location grid #6

bag number VF136

sampler number

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

PROGRAM START: DATE 12/22 TIME: 8:18 PROGRAM STOP: DATE 12:23 TIME: 8:43

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

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

BAROMETER Start: 30.01 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 1.1 ppm

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 Matlock/L

sample location grid # 8

bag number VF 117

site location 23Y

sampler number

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

PROGRAM START: DATE 12/13 TIME: 8:58 PROGRAM STOP: DATE 12/13 TIME: 9:13

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20	Stop: 20
FLOW RATE SETTING Start: .36L/min	Stop: .36L-min

BAROMETER Start: 30.01 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 1.9ppm

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 DEAGAN

site location 234

sample location 6210 * 9

bag number YR/21

sampler number

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

PROGRAM START: DATE 12/23 TIME: 9:31 PROGRAM STOP: DATE 12/23 TIME: 9:36

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

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

BAROMETER Start: 30.01 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 2.0 ppm

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 Nbatlock

site location 239

sample location SM16 & 10

bag number XB113

sampler number

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

PROGRAM START: DATE 12/23 TIME: 9:33 PROGRAM STOP: DATE 12/23 TIME: 9:58

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: 366/mn Stop: 366/mn

BAROMETER Start: 29.01 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 1.6 ppm

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 D JACKSON

sample location [illegible] 11

bag number [illegible]

site location 23A

sampler number

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

PROGRAM START: DATE 12/13 TIME: 10:06 PROGRAM STOP: DATE 12/13 TIME: 10:[illegible]

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20	Stop: 20
FLOW RATE SETTING Start: .36 l/min	Stop: .36 l/min

BAROMETER Start: 30.01 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 1.6 ppm

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 Matlock

site location 239

sample location Grid 8 N

bag number VR135

sampler number

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

PROGRAM START: DATE 11/23 TIME: 10:10 PROGRAM STOP: DATE 11/23 TIME: 10:35

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20	Stop: 20
FLOW RATE SETTING Start: .36L/m	Stop: .36L/m

BAROMETER Start: 30.07 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 1.8 ppm

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 DRACAN

site location 234

sample location GR.D #13

bag number VR139

sampler number

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

PROGRAM START: DATE 12/24 TIME: 8:00 PROGRAM STOP: DATE 12/24 TIME: 8:35

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 10 Stop: 20

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

BAROMETER Start: 30.02 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 1.6 ppm

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

APPENDIX D

FIELD RECORD LOGS

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DDAGAN

sample location Down Wind 24 HOURS

bag number V0125

site location 334

sampler number

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

PROGRAM START: DATE 12/17 TIME 0:00 PROGRAM STOP: DATE 12/17 TIME: 0600

PROGRAM TIMER SETTING: 4:13 ACTUAL TIME: 11:13

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

BAROMETER Start: 30.15 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 DOGAN

sample location Down Wind < 2440.rs

bag number VR126

site location 234

sampler number

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

PROGRAM START: DATE 12/17 TIME: 0:00 PROGRAM STOP: DATE 12/17 TIME: 0600

PROGRAM TIMER SETTING: 11:19 ACTUAL TIME: 11:19

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

BAROMETER Start: 30.15 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 234 Hour

bag number YR127

sampler number

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

PROGRAM START: DATE 12/17 TIME: 0000 PROGRAM STOP: DATE 12/17 TIME: 0600

PROGRAM TIMER SETTING: 10:45 ACTUAL TIME: 10:45

ROTOMETER SETTING Start: 100 Stop:

FLOW RATE SETTING Start: Stop:

BAROMETER Start: 30.15 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 GRID #1

bag number VRD58

sampler number

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

PROGRAM START: DATE 12/19 TIME: 7:10 PROGRAM STOP: DATE 12/19 TIME: 7:35

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

FLOW RATE SETTING Start: .31 L/min Stop: .31 L/min

BAROMETER Start: 30.00 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 2.2 ppm

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 GRND A2

bag number VR1 DG

sampler number

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

PROGRAM START: DATE 12/19 TIME: 7:08 PROGRAM STOP: DATE 12/23 TIME: 733

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

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

BAROMETER Start: 30.01 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 1.3 ppm

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 DRAGUN

site location L34

sample location GRID #3

bag number VR1 38

sampler number

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

PROGRAM START: DATE n/a TIME: 7:45 PROGRAM STOP: DATE n/a TIME: 8:10

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

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

BAROMETER Start: 30.07 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 1.1 ppm

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 Matlock

site location 234

sample location Grid #4

bag number 5VR080

sampler number

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

PROGRAM START: DATE 12/23 TIME: 7:45 PROGRAM STOP: DATE 12/23 TIME: 8:10

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

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

BAROMETER Start: 30.01 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 1.6 PPM

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 LFG

bag number VR112

sampler number

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

PROGRAM START: DATE 1/28/98 TIME: 4:20 PROGRAM STOP: DATE TIME: 4:30

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 25 Stop: 25

FLOW RATE SETTING Start: Stop:

BAROMETER Start: 30.03 Stop: 30.03

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: OVA Survey

OPERATOR: C. Wilson

DATE: 1/30/92 **Start** 13:16 **Finish** 3:24

Model # OVA 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	1.6 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)
9	9	100	2
95	95	100	
900	900	100	

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	9		8.75
	95		90
2.	900		825

Instrument calibrated to CH4 gas

COMMENTS:

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel DRAGAN

sample location GRD 14

bag number VR137

site location 234

sampler number

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

PROGRAM START: DATE 12/24 TIME: 8:35 PROGRAM STOP: DATE 12/24 TIME: 9:00

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

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

BAROMETER Start: 30.00 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 1.8 ppm

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 DRUCAN

site location 234

sample location GRID #15

bag number VTL 13B

sampler number

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

PROGRAM START: DATE n/a TIME: 9:05 PROGRAM STOP: DATE n/a TIME: 9:30

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 20 Stop: 20

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

BAROMETER Start: 30.00 Stop:

WIND SPEED AVE.

CONC. METHANE IN TEDLAR BAG 2.0 ppm

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

site location 235

sample location Grill

bag number VR135

sampler number

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

PROGRAM START: DATE 1/28/92 TIME: 7:50 PROGRAM STOP: DATE TIME: 8:55

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

site location 235

sample location Grid 2

bag number VR 108

sampler number

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

PROGRAM START: DATE 1/28/02 TIME: 8:00 PROGRAM STOP: DATE TIME: 8:25

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

site location 235

sample location Grid 3

bag number VR 117

sampler number

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

PROGRAM START: DATE 1/28/92 TIME: 8:10 PROGRAM STOP: DATE TIME: 8:35

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

site location 235

sample location Grid 5

bag number VR110

sampler number

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

PROGRAM START: DATE 1/23/92 TIME: 8:25 PROGRAM STOP: DATE TIME: 8:50

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

site location 235

sample location Grid 6

bag number UR121

sampler number

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

PROGRAM START: DATE 1/24/92 TIME: 9:25 PROGRAM STOP: DATE TIME: 9:50

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 R. Johnson

site location 234

sample location Grid # 7

bag number VR 107

sampler number

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

PROGRAM START: DATE 1/30/92 TIME: 07:20 PROGRAM STOP: DATE TIME:

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop:

FLOW RATE SETTING Start: .361 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
	0.8								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel R. Johnson

site location 234

sample location Grid #8

bag number UR 158

sampler number

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

PROGRAM START: DATE 1/30/92 TIME: 7:50 PROGRAM STOP: DATE TIME:

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
	1.0								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel C. Wilson

site location 234

sample location Grid 9

bag number VR127

sampler number

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

PROGRAM START: DATE 1/30/92 TIME: 7:40 PROGRAM STOP: DATE TIME:

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
	0.7								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel C. Wilson

site location 234

sample location Grid #10

bag number VR 120

sampler number

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

PROGRAM START: DATE 1/30/93 TIME: 8:15 PROGRAM STOP: DATE TIME:

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
	0.6								

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVA Sweep & ISS Bag Check

OPERATOR: C. Wilson

DATE: 2/25/92 **Start** 12:10 **Finish**_____

Model # Century OVA 128
Serial # 40531

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	33 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)
9 ppm	9 ppm	100%	33
95	95	100%	
900	900	100%	

AUDIT

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

Instrument calibrated to CH_4 gas

COMMENTS:_____

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Johnson

site location 234

sample location Grid 1

bag number VR139

sampler number

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

PROGRAM START: DATE 2/25 TIME: 7:47 PROGRAM STOP: DATE TIME: 8:13

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop:

FLOW RATE SETTING Start: .341 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 Johnson

site location 234

sample location Grid 2

bag number 12097

sampler number

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

PROGRAM START: DATE 2/25 TIME: 8:10 PROGRAM STOP: DATE TIME: 8:35

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: -36 Stop:

FLOW RATE SETTING Start: 19 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

Lab

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

site location 234

sample location Grid 3

bag number VR137

sampler number

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

PROGRAM START: DATE 7/25 TIME: 7:40 PROGRAM STOP: DATE 7/25 TIME: 8:05

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop:

FLOW RATE SETTING Start: .361 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

Lab

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wi / CM

site location 234

sample location grid 4

bag number 120

sampler number

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

PROGRAM START: DATE 2/25 TIME: 8:10 PROGRAM STOP: DATE TIME: 8:35

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop:

FLOW RATE SETTING Start: 349 (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 Grid 5

bag number 122

site location 234

sampler number

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

PROGRAM START: DATE 2/25 TIME: 8:45 PROGRAM STOP: DATE TIME: 9:10

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 10 Stop:

FLOW RATE SETTING Start: 3/6 | 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 Johnson

site location 234

sample location Grid 6

bag number UR095

sampler number

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

PROGRAM START: DATE 2/25 TIME: 8:45 PROGRAM STOP: DATE TIME: 9:10

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 17 Stop:

FLOW RATE SETTING Start: .36 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 Grid 7

bag number 1R107

sampler number

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

PROGRAM START: DATE 2/25 TIME: 8:52 PROGRAM STOP: DATE TIME: 9:17

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop:

FLOW RATE SETTING Start: 36 \ 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

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVA Sweep & ISS Bag Check

OPERATOR: C. Wilson

DATE: 2/25/92 **Start** 12:10 **Finish**_____

Model # Century OVA 128
Serial # 40551

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	33 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)
9 ppm	9 ppm	100%	33
95	95	100%	
900	900	100%	

AUDIT

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

Instrument calibrated to CH_4 gas

COMMENTS:_____

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Johnson

site location 234

sample location Grid 1

bag number VR139

sampler number

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

PROGRAM START: DATE 2/25 TIME: 7:47 PROGRAM STOP: DATE TIME: 8:13

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop:

FLOW RATE SETTING Start: .341 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 Johnson

site location 234

sample location Grid 2

bag number 112097

sampler number

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

PROGRAM START: DATE 2/25 TIME: 8:10 PROGRAM STOP: DATE TIME: 8:35

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: -361 Stop:

FLOW RATE SETTING Start: .9 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

Lab

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wilson

sample location Grid 3

bag number VR137

site location 234

sampler number

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

PROGRAM START: DATE 7/25 TIME: 7:40 PROGRAM STOP: DATE 7/25 TIME: 8:05

PROGRAM TIMER SETTING: ACTUAL TIME:

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

Lab

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Wi / CM

site location 234

sample location Grid 4

bag number 120

sampler number

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

PROGRAM START: DATE 2/25 TIME: 8:10 PROGRAM STOP: DATE TIME: 8:35

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop:

FLOW RATE SETTING Start: 329 (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 Grid5

bag number 122

site location 234

sampler number

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

PROGRAM START: DATE 2/25 TIME: 8:45 PROGRAM STOP: DATE TIME: 9:10

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop:

FLOW RATE SETTING Start: 3.6 | 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 Johnson

sample location Main Collection Header

bag number VR 127

site location 234

sampler number

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

PROGRAM START: DATE 2/25 TIME: 1320 PROGRAM STOP: DATE TIME:

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 Johnson

sample location

bag number VR117

site location 234

sampler number

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

PROGRAM START: DATE 2/25 TIME: PROGRAM STOP: DATE TIME:

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 Johnson

sample location

bag number UR129

site location 234

sampler number

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

PROGRAM START: DATE 2/25 TIME: PROGRAM STOP: DATE TIME:

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

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVA SWEEP

OPERATOR: C. Wilson

DATE: 2/2/92 **Start** 2:00 **Finish** 3:15

Model # Century OVA 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	<1 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)
9	9	100%	<1 ppm
95	95	" "	<1 ppm
900	900	" "	<1 ppm

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	9	8	
	95	90	
2.	900	900	

Instrument calibrated to CH4 gas

COMMENTS:

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVA Sweep

OPERATOR: R Johnson

DATE: 2/21/92 **Start** 14:00 **Finish** 16:00

Model # 128
Serial # 41024

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)
0	0	100	
9.5	9.5	100	
200	200	100	

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 15:40	9	14	
	9.5	98	
2.			

Instrument calibrated to_____gas

COMMENTS:_____

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Mattlock

sample location Grid 9

bag number UR126

site location 234

sampler number

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

PROGRAM START: DATE 2/25 TIME: 8:50 PROGRAM STOP: DATE TIME: 9:15

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop:

FLOW RATE SETTING Start: 361 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 Mattock

sample location Grid # 10

bag number UR

site location 234

sampler number

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

PROGRAM START: DATE 2/25 TIME: 7:49 PROGRAM STOP: DATE TIME: 8:14

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start:	19	Stop:	
FLOW RATE SETTING Start:	361	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
	.5								

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel Dragun

site location 234

sample location Grid 11

bag number UR121

sampler number

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

PROGRAM START: DATE 2/25 TIME: 7:45 PROGRAM STOP: DATE TIME: 8:10

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop:

FLOW RATE SETTING Start: .361 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 Mitlock

site location 234

sample location Grid 12

bag number VC096

sampler number

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

PROGRAM START: DATE 2/25 TIME 8:17 PROGRAM STOP: DATE 8:42 TIME: 8

PROGRAM TIMER SETTING: ACTUAL TIME:

ROTOMETER SETTING Start: 19 Stop:

FLOW RATE SETTING Start: 1361 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 R. Johnson

site location 235

sample location OW 24hr.

bag number VR169

sampler number 9005

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

PROGRAM START: DATE 2/22/92 TIME: 10:00 PROGRAM STOP: DATE 2/28/92 TIME: 10:00

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 R. Johnson

site location 23-5

sample location D.W. <24 Amp

bag number VR168

sampler number 9001

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

PROGRAM START: DATE 2/20/92 TIME: 0:00 PROGRAM STOP: DATE 2/20/92 TIME: 06:00

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 R. Johnson

site location 23 ✱

sample location VIN 224bc

bag number VR167

sampler number

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

PROGRAM START: DATE 2/20/92 TIME: 0:00 PROGRAM STOP: DATE 2/21/92 TIME: 06:00

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 R. Johnson

site location 235

sample location DW 224 hc

bag number VR165

sampler number 9004

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

PROGRAM START: DATE 2/28/92 TIME: 000 PROGRAM STOP: DATE 2/28/92 TIME: 06:00

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 R. Johnson

site location 23 SF

sample location UW 24

bag number UR166

sampler number 9002

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

PROGRAM START: DATE 9/27/92 TIME: 10:00 PROGRAM STOP: DATE 9/28/92 TIME: 10:00

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

site location 234

sample location

bag number

sampler number

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

PROGRAM START: DATE 2/25 TIME: PROGRAM STOP: DATE TIME:

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

APPENDIX E

LABORATORY RESULTS AND QA/QC SUMMARY

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 16, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: December 10, 1991
Date Analyzed: December 11, & 12, 1991

AtmAA Lab No.:	93441-2	93441-3
Sample I.D.:	VR101	VR105
	Gas Probe	LFG
	E.-8-Deep	
Components:	(Concentration in %, v/v)	
Nitrogen		18.8
Oxygen		0.86
Methane	16.7	40.4
Carbon Dioxide		39.2
	(Concentration in ppm, v/v)	
TGNMO	162	4550
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	9.16
Benzene	44.3	2120
Benzylchloride	<0.8	<10
Chlorobenzene	<0.5	1140
Dichlorobenzene*	<1.1	96.4
1,1-dichloroethane	48.8	2530
1,2-dichloroethane	164	361
1,1-dichloroethylene	102	656
Dichloromethane	<60	7490
Perchloroethane	454	24000
Carbon Tetrachloride	<5	<5
Toluene	<10	70800
1,1,1-trichloroethane	10.8	48.6
Trichloroethene	177	5410
Chloroform	2.39	<2
Vinyl Chloride	575	281(
m + p-xylene	12.9	2680(
o-xylene	15.6	6190

TGNMO is total gaseous non-methane organics measu
* total amount containing meta, para, and ortho isomer

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	VR128	< 0.08	< 0.08	---	---
Vinyl Chloride	VR128	< 0.1	< 0.1	---	---
m + p-xylenes	VR128	3.89	3.61	3.75	3.7
o-xylene	No Repeat				

A set of 5 Tedlar bag samples laboratory numbers, 93511-(22-26) 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 5 Tedlar bag samples is 2.4%.

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 SUNVALLEY 91352

Sampler: (Signature) Ernest Dragon

Bag Identification Number	Date	Time	Type Of Sample	METHANE	1150.1 AIR TOXICS	T.G.N.M.O.							Field Comments ATMAA #	Lab* Comments
VR125	12/17	600	A.A. DOWNWIND <24 HR	X	X	X							93511-22	
VR126	12/17	600	A.A. DOWNWIND <24 HOUR DUP.	X	X	X							23	
VR127	12/17	600	AA UPWIND <24 HOURS	X	X	X							24	
VR128	12/17	1100	AA DOWNWIND 24 HOUR	X	X	X							25	
VR129	12/17	1100	AA UPWIND 24 HOUR	X	X	X							26	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ernest Dragon	12/17	4:10			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			Kam Porter	12/17/91	4:10

* 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

FEB 17 1992
VALLEY RECLAMATION

February 11, 1992

LTR/053/92
8000

John Mays
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No.: 81481460-01

Dear John:

Please find enclosed the laboratory analysis reports, quality assurance summaries, and the original chain-of-custody forms for ten Tedlar bag samples received on January 29, & 30, 1992.

The samples were analyzed for SCAQMD Rule 1150.1 contaminants, Method 624, methane, total gaseous non-methane organics (TGNMO), and permanent gases.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/kp

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	VR105	18.7	18.9	18.8	0.53
Oxygen	VR105	0.82	0.90	0.86	4.6
Methane	VR105	40.5	40.4	40.4	0.12
Carbon Dioxide	VR105	40.0	38.4	39.2	2.0
		(Concentration in ppm, v/v)			
TGNMO	VR105	4400	4700	4550	3.3
		(Concentration in ppb, v/v)			
Acetonitrile	VR105	8.84	9.49	9.16	3.5
Benzene	VR105	2120	2120	2120	0.0
Benzylchloride	VR105	< 10	< 10	---	---
Chlorobenzene	VR105	1140	1140	1140	0.0
Dichlorobenzenes*	VR105	93.8	98.9	96.4	2.6
1,1-dichloroethane	VR101	48.7	49.0	48.8	0.31
1,2-dichloroethane	VR101	167	162	164	1.5
1,1-dichloroethylene	VR101	102	101	102	0.49
Dichloromethane	VR101	< 60	< 60	---	---
Perchloroethene	VR105	23900	24200	24000	0.62
Carbon Tetrachloride	VR101	< 5	< 5	---	---
Toluene	VR105	70800	70800	70800	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)			
1,1,1-trichloroethane	VR101	10.8	10.8	10.8	0.0
Trichloroethene	VR101	176	178	177	0.56
Chloroform	VR101	2.44	2.34	2.39	2.1
Vinyl Chloride	VR101	538	567	575	1.4
m+p-xylenes	VR105	26800	26800	26800	0.0
o-xylene	VR105	6190	6190	6190	0.0

A set of 2 Tedlar bag samples laboratory numbers, 93441-(2 & 3) 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 20 repeat measurements from the sample set of 2 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: December 16, 1991
P.O. No.: 8148460-01
Site: Bradley Landfill

Date Received: December 10, 1991
Date Analyzed: December 10, 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)
93341-3	VR105	44.2	46.4

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

SCAQMD Rule 1150.1 Contaminants
Analysis in Tedlar Bag Samples

Report Date: December 24, 1991
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: December 19, 1991
Date Analyzed: December 19, & 20, 1991

AtmAA Lab No.:	93531-12	93531-13
Sample I.D.:	VR058	VR106
	ISS	ISS
	Grid #1	Grid #2
Components:	(Concentration in ppm, v/v)	
Methane	2.28	2.24
TGNMO	1.09	<1
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	3.08	3.10
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	0.14	0.13
Dichloromethane	0.86	0.85
Perchloroethene	0.88	0.86
Carbon Tetrachloride	0.11	0.10
Toluene	5.64	5.72
1,1,1-trichloroethane	10.4	11.0
Trichloroethene	<0.06	0.084
Chloroform	<0.08	<0.08
Vinyl Chloride	<0.1	<0.1
m + p-xylenes	2.93	2.53
o-xylene	1.36	1.46

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	VR058	2.28	2.27	2.28	0.22
TGNMO	VR058	1.09	< 1	---	---
		(Concentration in ppb, v/v)			
Acetonitrile	VR106	< 0.8	< 0.8	---	---
Benzene	VR058	3.14	3.02	3.08	1.9
Benzylchloride	VR106	< 0.8	< 0.8	---	---
Chlorobenzene	VR058	< 0.1	< 0.1	---	---
Dichlorobenzenes*	VR106	< 1.1	< 1.1	---	---
1,1-dichloroethane	VR058	< 0.4	< 0.4	---	---
1,2-dichloroethane	VR058	< 0.2	< 0.2	---	---
1,1-dichloroethylene	VR058	0.13	0.15	0.14	7.1
Dichloromethane	VR058	0.86	0.86	0,86	0.0
Perchloroethene	VR106	0.85	0.87	0.86	1.2
Carbon Tetrachloride	VR106	0.10	0.10	0.10	0.0
Toluene	VR058	5.71	5.57	5.64	1.2
1,1,1-trichloroethane	VR106	11.0	11.0	11.0	0.0
Trichloroethene	VR106	0.083	0.086	0.084	1.8

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	VR128	2.09	2.14	2.12	1.2
TGNMO	VR128	2.15	2.19	2.17	0.92
		(Concentration in ppb, v/v)			
Acetonitrile	VR128	<0.8	<0.8	---	---
Benzene	VR128	2.92	2.76	2.84	2.8
Benzylchloride	VR128	<0.8	<0.8	---	---
Chlorobenzene	VR128	<0.1	<0.1	---	---
Dichlorobenzenes*	VR128	<1.1	<1.1	---	---
1,1-dichloroethane	VR127	<0.4	<0.4	---	---
1,2-dichloroethane	VR127	<0.2	<0.2	---	---
1,1-dichloroethylene	VR128	<0.1	<0.1	---	---
Dichloromethane	VR128	1.08	1.05	1.06	1.4
Perchloroethene	VR128	0.38	0.37	0.38	1.3
Carbon Tetrachloride	VR128	0.13	0.13	0.13	0.0
Toluene	VR128	6.90	6.71	6.80	1.4
1,1,1-trichloroethane	VR128	10.1	10.1	10.1	0.0
Trichloroethene	VR128	0.066	0.082	0.074	11

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	VR128	< 0.08	< 0.08	---	---
Vinyl Chloride	VR128	< 0.1	< 0.1	---	---
m + p-xylenes	VR128	3.89	3.61	3.75	3.7
o-xylene	No Repeat				

A set of 5 Tedlar bag samples laboratory numbers, 93511-(22-26) 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 5 Tedlar bag samples is 2.4%.

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 SUNVALLEY 91352

Sampler: (Signature) Ernest Draper

Bag Identification Number	Date	Time	Type Of Sample	METHANE	1150.1 AIR TOXICS	T.G.N.M.O.							Field Comments AtmAA #	Lab* Comments
VR125	12/17	600	A.A. DOWNWIND <24 HR	X	X	X							93511-22	
VR126	12/17	600	A.A. DOWNWIND <24 HOUR DUP.	X	X	X							23	
VR127	12/17	600	AA UPWIND <24 HOURS	X	X	X							24	
VR128	12/17	1100	AA DOWNWIND 24 HOUR	X	X	X							25	
VR129	12/17	1100	AA UPWIND 24 HOUR	X	X	X							26	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ernest Draper	12/17	4:10			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[illegible]	12/17/91	4:10

* 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
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VALLEY RECLAMATION

February 11, 1992

LTR/053/92
8000

John Mays
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No.: 81481460-01

Dear John:

Please find enclosed the laboratory analysis reports, quality assurance summaries, and the original chain-of-custody forms for ten Tedlar bag samples received on January 29, & 30, 1992.

The samples were analyzed for SCAQMD Rule 1150.1 contaminants, Method 624, methane, total gaseous non-methane organics (TGNMO), and permanent gases.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/kp

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 ppb, v/v)			
Dichlorodifluoromethane	VR119	9260	9260	9260	0.0
Chloromethane	VR119	< 26	< 26	---	---
Vinyl chloride	No Repeat				
Bromomethane	VR119	< 26	< 26	---	---
Chloroethane	VR119	< 86	< 86	---	---
Trichlorofluoromethane	VR119	503	500	502	0.30
1,1-dichloroethene	No Repeat				
Dichloromethane	VR091	< 60	< 60	---	---
t-1,2-dichloroethene	VR119	780	761	770	1.2
1,1-dichloroethane	VR091	40.5	40.5	40.5	0.0
Chloroform	VR091	1.19	1.25	1.22	2.4
1,2-dichloroethane	VR091	45.6	50.9	48.2	5.5
1,1,1-trichloroethane	VR091	3.64	3.40	3.52	3.4
Benzene	VR119	2530	2420	2480	2.2
Carbon Tetrachloride	VR091	< 1	< 1	---	---
1,2-dichloropropane	VR119	2640	2360	2500	5.6
Bromodichloromethane	VR119	< 14	< 14	---	---

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Trichloroethene	VR091	252	251	252	0.20
2-chloroethylvinyl ether	VR119	< 140	< 140	---	---
t-1,3-dichloropropene	VR119	< 23	< 23	---	---
c-1,3-dichloropropene	VR119	< 27	< 27	---	---
1,1,2-trichloroethane	VR119	< 20	< 20	---	---
Toluene	VR119	96800	92700	94800	2.2
Dibromochloromethane	VR119	< 13	< 13	---	---
Tetrachloroethene	No Repeat				
Chlorobenzene	VR119	183	181	182	0.55
Ethylbenzene	VR119	6580	6230	6400	2.7
Bromoform	VR119	< 16	< 16	---	---
1,1,2,2-tetrachloroethane	VR119	< 9.5	< 9.5	---	---
1,3-dichlorobenzene	VR119	< 2	< 2	---	---
1,4-dichlorobenzene	VR119	2.58	2.98	2.78	7.2
1,2-dichlorobenzene	VR119	< 2	< 2	---	---

A set of 2 Tedlar bag samples laboratory numbers 90292-(14 & 15) was analyzed for Method 624. 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 2 Tedlar bag samples is 2.4%.

CHAIN OF CU ODY RECORD

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

Site / Facility#: Bradley Landfill

Site Name: 9188 Glenoaks Blvd. Sun Valley CA

Sampler: (Signature) Cozette Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Air Toxics	T.G.NMO	Methane	Permanent Gases	H_2S					Field Comments	Lab* Comments
VR112	1/28/92	4:20	LFG	X	X		X	X						90292-13
VR136	1/28/92	4:30	Gas Probe E-~~Step~~	X	X	X							0% methane	90292-16
VR138	1/28/92	4:40	Gas Probe W28	X	X	X							10% methane	90292-17
VR108	1/28/92	8:00	ISS Grid #2	X	X	X								90292-18
VR135	1/28/92	7:50	ISS Grid #1											90292-19

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1/29/92	14:58			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			Karen Potter	1/29/92	14:58

* 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 C TODY RECORD

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

Site / Facility#: Bradley Landfill

Site Name: 9188 Glenoaks Blvd. Sun Valley, CA

Sampler: (Signature) Cozette Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150 / Toxics	Permanent Gases	Dichlorodifluoromethane	EPA Method 624 (including dichlorodifluoromethane)						Field Comments	Lab* Comments
VR112	1/28/92 ~~4:20~~	4:00	LFG	X	X		X							90292-13
VR091	1/28/92 ~~4:20~~	4:20	BE	X	X	X	X							90292-14
VR119	1/28/92	4:50	BW	X	X	X	X							90292-15

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1/29/92	14:50			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			Karen Porter	1/29/92	14:50

* 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

February 3, 1992

LTR/047/92
8000

John Mays
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

— RECEIVED —
FEB 07 1992
VALLEY RECLAMATION CO

re: CSA No.: 81481460-01

Dear John:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain-of-custody form for five Tedlar bag samples received on January 31, 1992.

The samples were analyzed for SCAQMD Rule 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO).

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/kp

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants
Analysis in Tedlar Bag Samples

Report Date: February 3, 1992
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: January 31, 1992
Date Analyzed: January 31, 1992

AtmAA Lab No.:	90312-27	90312-28	90312-29	90312-30	90312-31
Sample I.D.:	VR154 DW 24hrs.	VR152 UP 24hrs.	VR150 <24 Upwind	VR151 DW <24hrs.	VR155 <24 DW co-located
Components:	(Concentration in ppm, v/v)				
Methane	1.82	2.32	1.81	2.07	2.04
TGNMO	<1	1.21	1.88	<1	1.65
	(Concentration in ppb, v/v)				
Acetonitrile	<0.8	<0.8	<0.8	<0.8	<0.8
Benzene	1.88	1.92	0.92	0.48	0.54
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	0.65	0.94	0.30	0.42	0.44
Perchloroethene	0.26	0.34	<0.1	<0.1	<0.1
Carbon Tetrachloride	0.12	0.12	0.10	0.11	0.12
Toluene	4.28	4.48	2.29	1.70	1.57
1,1,1-trichloroethane	4.82	4.50	0.63	1.45	1.38
Trichloroethene	0.078	0.12	0.064	0.062	0.070
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	2.24	2.02	0.85	0.48	0.54
o-xylene	2.77	2.64	1.23	0.71	1.01

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

LABORATORY ANALYSIS REPORT

Method 624 Analysis in Tedlar Bag Samples

Report Date: February 10, 1992
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: January 29, 1992
Date Analyzed: January 30, & 31, 1992

AtmAA Lab No.:	90292-13	90292-14	90292-15
Sample I.D.:	VR112	VR091	VR119
	LFG	BE	BW
	(Concentration in ppb, v/v)		
[redacted]		6950	6400
[redacted]		< 16	< 16
[redacted]		< 9.5	< 9.5
[redacted]		3.88	< 2
[redacted]		10.1	2.58
[redacted]		6.05	< 2

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 ppb, v/v)			
Dichlorodifluoromethane	VR119	9260	9260	9260	0.0
Chloromethane	VR119	< 26	< 26	—	—
Vinyl chloride	No Repeat				
Bromomethane	VR119	< 26	< 26	—	—
Chloroethane	VR119	< 86	< 86	—	—
Trichlorofluoromethane	VR119	503	500	502	0.30
1,1-dichloroethene	No Repeat				
Dichloromethane	VR091	< 60	< 60	—	—
t-1,2-dichloroethene	VR119	780	761	770	1.2
1,1-dichloroethane	VR091	40.5	40.5	40.5	0.0
Chloroform	VR091	1.19	1.25	1.22	2.4
1,2-dichloroethane	VR091	45.6	50.9	48.2	5.5
1,1,1-trichloroethane	VR091	3.64	3.40	3.52	3.4
Benzene	VR119	2530	2420	2480	2.2
Carbon Tetrachloride	VR091	< 1	< 1	—	—
1,2-dichloropropane	VR119	2640	2360	2500	5.6
Bromodichloromethane	VR119	< 14	< 14	—	—

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Trichloroethene	VR091	252	251	252	0.20
2-chloroethylvinyl ether	VR119	< 140	< 140	---	---
t-1,3-dichloropropene	VR119	< 23	< 23	---	---
c-1,3-dichloropropene	VR119	< 27	< 27	---	---
1,1,2-trichloroethane	VR119	< 20	< 20	---	---
Toluene	VR119	96800	92700	94800	2.2
Dibromochloromethane	VR119	< 13	< 13	---	---
Tetrachloroethene	No Repeat				
Chlorobenzene	VR119	183	181	182	0.55
Ethylbenzene	VR119	6580	6230	6400	2.7
Bromoform	VR119	< 16	< 16	---	---
1,1,2,2-tetrachloroethane	VR119	< 9.5	< 9.5	---	---
1,3-dichlorobenzene	VR119	< 2	< 2	---	---
1,4-dichlorobenzene	VR119	2.58	2.98	2.78	7.2
1,2-dichlorobenzene	VR119	< 2	< 2	---	---

A set of 2 Tedlar bag samples laboratory numbers 90292-(14 & 15) was analyzed for Method 624. 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 2 Tedlar bag samples is 2.4%.

CHAIN OF CUSTODY RECORD

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

Site / Facility#: Bradley Landfill

Site Name: 9188 Glenoaks Blvd. Sun Valley CA

Sampler: (Signature) Cozette Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Air Toxics	T.6.NMO	Methane	Permanent Gases	H_2S					Field Comments	Lab* Comments
VR112	1/28/92	4:20	LFG	X	X		X	X						90292-13
VR136	1/28/92	4:30	Gas Probe E-8Deep	X	X	X							0% methane	90292-16
VR138	1/28/92	4:40	Gas Probe W28	X	X	X							10% methane	90292-17
VR108	1/28/92	8:00	ISS Grid #2	X	X	X								90292-18
VR135	1/28/92	7:50	ISS Grid #1											90292-19

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1/29/92	14:58			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[signature]	1/29/92	14:58

* 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	
WMNA Environmental Mgmt. Dept.	ATMAA Inc.	No.

Site / Facility#: Bradley Landfill

Site Name: 9188 Glenoaks Blvd. Sun Valley, CA

Sampler: (Signature) Cozette Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	Permanent Gases	Dichlorodifluoromethane	EPA Method 624 (including dichlorodifluoromethane)						Field Comments	Lab* Comments
VR112	1/28/92 ~~4:20~~	4:00	LFG	X	X		X							90292-13
VR091	1/28/92 ~~4:20~~	4:20	BE	X	X	X	X							90292-14
VR119	1/28/92	4:50	BW	X	X	X	X							90292-15

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1/29/92	14:50			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature) Karen Porter	Date 1/29/92	Time 14:50

* 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

February 3, 1992

LTR/047/92
8000

John Mays
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

— RECEIVED —
FEB 07 1992
VALLEY RECLAMATION CO.

re: CSA No.: 81481460-01

Dear John:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain-of-custody form for five Tedlar bag samples received on January 31, 1992.

The samples were analyzed for SCAQMD Rule 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO).

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/kp

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

SCAQMD Rule 1150.1 Contaminants
Analysis in Tedlar Bag Samples

Report Date: February 3, 1992
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: January 31, 1992
Date Analyzed: January 31, 1992

AtmAA Lab No.:	90312-27	90312-28	90312-29	90312-30	90312-31
Sample I.D.:	VR154 DW 24hrs.	VR152 UP 24hrs.	VR150 <24 Upwind	VR151 DW <24hrs.	VR155 <24 DW co-located
Components:	(Concentration in ppm, v/v)				
Methane	1.82	2.32	1.81	2.07	2.04
TGNMO	<1	1.21	1.88	<1	1.65
	(Concentration in ppb, v/v)				
Acetonitrile	<0.8	<0.8	<0.8	<0.8	<0.8
Benzene	1.88	1.92	0.92	0.48	0.54
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	0.65	0.94	0.30	0.42	0.44
Perchloroethene	0.26	0.34	<0.1	<0.1	<0.1
Carbon Tetrachloride	0.12	0.12	0.10	0.11	0.12
Toluene	4.28	4.48	2.29	1.70	1.57
1,1,1-trichloroethane	4.82	4.50	0.63	1.45	1.38
Trichloroethene	0.078	0.12	0.064	0.062	0.070
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	2.24	2.02	0.85	0.48	0.54
o-xylene	2.77	2.64	1.23	0.71	1.01

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	VR151	2.07	2.07	2.07	0.0
TGNMO	VR151	<1	<1	---	---
		(Concentration in ppb, v/v)			
Acetonitrile	VR152	<0.8	<0.8	---	---
Benzene	VR152	2.00	1.85	1.92	3.9
Benzylchloride	VR155	<0.8	<0.8	---	---
Chlorobenzene	VR152	<0.1	<0.1	---	---
Dichlorobenzenes*	VR155	<1.1	<1.1	---	---
1,1-dichloroethane	VR152	<0.4	<0.4	---	---
1,2-dichloroethane	VR152	<0.2	<0.2	---	---
1,1-dichloroethylene	VR154	<0.1	<0.1	---	---
Dichloromethane	VR152	0.94	0.95	0.94	0.53
Perchloroethene	VR154	0.25	0.26	0.26	2.0
Carbon Tetrachloride	VR154	0.12	0.12	0.12	0.0
Toluene	VR152	4.42	4.53	4.48	1.2
1,1,1-trichloroethane	VR154	4.82	4.81	4.82	0.10
Trichloroethene	VR154	0.081	0.076	0.078	3.2
Chloroform	VR154	<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	VR154	< 0.1	< 0.1	---	---
m + p-xylenes	VR152	2.10	1.95	2.02	3.7
o-xylene	VR152	2.66	2.63	2.64	0.57

A set of 5 Tedlar bag samples, laboratory numbers 90312-(27-31) was analyzed for SCAQMD 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 5 Tedlar bag samples is 1.5%.

CHAIN OF CUSTODY RECORD

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

Site/Facility # Bradley Landfill 1234

Site Name 9188 Glenoaks Blvd. S.V. 91352

Sampler: (Signature) Cozetta Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150 Toxics	Methane	TGNMO		AtmAA Lab#		Field Comments	Lab* Comments
VR154	1/30	10:00	DW 24hrs	X	X	X		90312-27			
VR152	1/30	10:00	UP 24 hrs	X	X	X		-28			
VR150	1/30	6:00	<24 UP Wind	X	X	X		-29			
VR151	1/30	6:00	<24 DW	X	X	X		-30			
VR155	1/30	6:00	<24 DW co-located	X	X	X		-31			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature) Cozetta Wilson	Date 1/31/92	Time	Received for Laboratory: (Signature) Karen Porter	Date 1/31/92	Time 11:15

* 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

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 ppb, v/v)			
Dichlorodifluoromethane	VR119	9260	9260	9260	0.0
Chloromethane	VR119	< 26	< 26	—	—
Vinyl chloride	No Repeat				
Bromomethane	VR119	< 26	< 26	—	—
Chloroethane	VR119	< 86	< 86	—	—
Trichlorofluoromethane	VR119	503	500	502	0.30
1,1-dichloroethene	No Repeat				
Dichloromethane	VR091	< 60	< 60	—	—
t-1,2-dichloroethene	VR119	780	761	770	1.2
1,1-dichloroethane	VR091	40.5	40.5	40.5	0.0
Chloroform	VR091	1.19	1.25	1.22	2.4
1,2-dichloroethane	VR091	45.6	50.9	48.2	5.5
1,1,1-trichloroethane	VR091	3.64	3.40	3.52	3.4
Benzene	VR119	2530	2420	2480	2.2
Carbon Tetrachloride	VR091	< 1	< 1	—	—
1,2-dichloropropane	VR119	2640	2360	2500	5.6
Bromodichloromethane	VR119	< 14	< 14	—	—

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Trichloroethene	VR091	252	251	252	0.20
2-chloroethylvinyl ether	VR119	< 140	< 140	---	---
t-1,3-dichloropropene	VR119	< 23	< 23	---	---
c-1,3-dichloropropene	VR119	< 27	< 27	---	---
1,1,2-trichloroethane	VR119	< 20	< 20	---	---
Toluene	VR119	96800	92700	94800	2.2
Dibromochloromethane	VR119	< 13	< 13	---	---
Tetrachloroethene	No Repeat				
Chlorobenzene	VR119	183	181	182	0.55
Ethylbenzene	VR119	6580	6230	6400	2.7
Bromoform	VR119	< 16	< 16	---	---
1,1,2,2-tetrachloroethane	VR119	< 9.5	< 9.5	---	---
1,3-dichlorobenzene	VR119	< 2	< 2	---	---
1,4-dichlorobenzene	VR119	2.58	2.98	2.78	7.2
1,2-dichlorobenzene	VR119	< 2	< 2	---	---

A set of 2 Tedlar bag samples laboratory numbers 90292-(14 & 15) was analyzed for Method 624. 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 2 Tedlar bag samples is 2.4%.

CHAIN OF CU ODY RECORD

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

Site / Facility#: Bradley Landfill

Site Name: 9188 Glenoaks Blvd. Sun Valley CA

Sampler: (Signature) Cozette Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Air Toxics	T.G.N.M.O	Methane	Permanent Gases	H_2S					Field Comments	Lab* Comments
VR112	1/28/92	4:20	LFG	X	X		X	X						90292-13
VR136	1/28/92	4:30	Gas Probe E-~~Deep~~	X	X	X							0% methane	90292-16
VR138	1/28/92	4:40	Gas Probe W28	X	X	X							10% methane	90292-17
VR108	1/28/92	8:00	ISS Grid #2	X	X	X								90292-18
VR135	1/28/92	7:50	ISS Grid #1											90292-19

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1/29/92	14:58			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			Karen Porter	1/29/92	14:58

* 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	
WMNA Environmental Mgmt. Dept.	ATMAA Inc.	No.

Site / Facility#: Bradley Landfill

Site Name: 9188 Glenoaks Blvd. Sun Valley, CA

Sampler: (Signature) Cozette Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	Permanent Gases	Dichlorodifluoromethane	EPA Method 624 (including dichlorodifluoromethane)						Field Comments	Lab* Comments
VR112	1/28/92 ~~4:20~~	4:00	LFG	X	X		X							90292-13
VR091	1/28/92 ~~4:20~~	4:20	BE	X	X	X	X							90292-14
VR119	1/28/92	4:50	BW	X	X	X	X							90292-15

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1/29/92	14:50			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature) Karen Porter	Date 1/29/92	Time 14:50

* 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.
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laboratory services

February 3, 1992

LTR/047/92
8000

— RECEIVED —
FEB 07 1992
VALLEY RECLAMATION CO

John Mays
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No.: 81481460-01

Dear John:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain-of-custody form for five Tedlar bag samples received on January 31, 1992.

The samples were analyzed for SCAQMD Rule 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO).

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/kp

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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: February 3, 1992
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: January 31, 1992
Date Analyzed: January 31, 1992

AtmAA Lab No.:	90312-27	90312-28	90312-29	90312-30	90312-31
Sample I.D.:	VR154 DW 24hrs.	VR152 UP 24hrs.	VR150 <24 Upwind	VR151 DW <24hrs.	VR155 <24 DW co-located
Components:	(Concentration in ppm, v/v)				
Methane	1.82	2.32	1.81	2.07	2.04
TGNMO	<1	1.21	1.88	<1	1.65
	(Concentration in ppb, v/v)				
Acetonitrile	<0.8	<0.8	<0.8	<0.8	<0.8
Benzene	1.88	1.92	0.92	0.48	0.54
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	0.65	0.94	0.30	0.42	0.44
Perchloroethene	0.26	0.34	<0.1	<0.1	<0.1
Carbon Tetrachloride	0.12	0.12	0.10	0.11	0.12
Toluene	4.28	4.48	2.29	1.70	1.57
1,1,1-trichloroethane	4.82	4.50	0.63	1.45	1.38
Trichloroethane	0.078	0.12	0.064	0.062	0.070
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	2.24	2.02	0.85	0.48	0.54
o-xylene	2.77	2.64	1.23	0.71	1.01

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	VR151	2.07	2.07	2.07	0.0
TGNMO	VR151	<1	<1	---	---
		(Concentration in ppb, v/v)			
Acetonitrile	VR152	<0.8	<0.8	---	---
Benzene	VR152	2.00	1.85	1.92	3.9
Benzylchloride	VR155	<0.8	<0.8	---	---
Chlorobenzene	VR152	<0.1	<0.1	---	---
Dichlorobenzenes*	VR155	<1.1	<1.1	---	---
1,1-dichloroethane	VR152	<0.4	<0.4	---	---
1,2-dichloroethane	VR152	<0.2	<0.2	---	---
1,1-dichloroethylene	VR154	<0.1	<0.1	---	---
Dichloromethane	VR152	0.94	0.95	0.94	0.53
Perchloroethene	VR154	0.25	0.26	0.26	2.0
Carbon Tetrachloride	VR154	0.12	0.12	0.12	0.0
Toluene	VR152	4.42	4.53	4.48	1.2
1,1,1-trichloroethane	VR154	4.82	4.81	4.82	0.10
Trichloroethene	VR154	0.081	0.076	0.078	3.2
Chloroform	VR154	<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	VR154	< 0.1	< 0.1	---	---
m + p-xylenes	VR152	2.10	1.95	2.02	3.7
o-xylene	VR152	2.66	2.63	2.64	0.57

A set of 5 Tedlar bag samples, laboratory numbers 90312-(27-31) was analyzed for SCAQMD 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 5 Tedlar bag samples is 1.5%.

CHAIN OF CUSTODY RECORD

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

Site/Facility # Bradley Landfill /234

Site Name 9188 Glenoaks Blvd. S.V. 91352

Sampler: (Signature) Cozetta Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150 Toxics	Methane	TGNMO		ATMAA Lab#		Field Testing		Field Comments	Lab* Comments
VR154	1/30	10:00	DW 24hrs	X	X	X		90312	-27				
VR152	1/30	10:00	UP 24 hrs	X	X	X			-28				
VR150	1/30	6:00	<24 UP Wind	X	X	X			-29				
VR151	1/30	6:00	<24 DW	X	X	X			-30				
VR155	1/30	6:00	<24 DW co-located	X	X	X			-31				

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature) Cozetta Wilson	Date 1/31/92	Time	Received for Laboratory: (Signature) Karen Porter	Date 1/31/92	Time 11:15

* 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

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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: February 6, 1992
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: January 29, 1992
Date Analyzed: January 29, 30, & 31, 1992

AtmAA Lab No.:	90292-13	90292-14	90292-15	90292-16	90292-17
Sample I.D.:	VR112 LFG	VR091 BE	VR119 BW	VR136 Probe E-8Deep	VR138 Probe W2B
Components:	(Concentration in %, v/v)				
Nitrogen	79.4	26.4	29.7	NR	NR
Oxygen	22.4	1.79	6.27	NR	NR
Methane	0.18	38.6	33.3	13.4	13.6
Carbon Dioxide	<0.1	35.2	31.8	NR	NR
	(Concentration in ppm, v/v)				
TGNMO	NA	NR	NR	223	381
	(Concentration in ppb, v/v)				
Acetonitrile	NA	NA	NA	<2	<2
Benzene	NA	2270	2480	65.9	59.0
Benzylchloride	NA	<20	<20	<20	<20
Chlorobenzene	NA	327	182	<10	<10
Dichlorobenzenes*	NA	20.0	<20	<20	<20
1,1-dichloroethane	NA	40.5	6480	53.2	356
1,2-dichloroethane	NA	48.2	476	<33	<33
1,1-dichloroethylene	NA	115	990	95.2	178
Dichloromethane	NA	<60	10800	<60	92.8
Perchloroethene	NA	199	18700	476	1260
Carbon Tetrachloride	NA	<1	<1	<1	<1
Toluene	NA	20300	94800	12.9	21.4
1,1,1-trichloroethane	NA	3.52	178	0.92	67.7
Trichloroethene	NA	252	8160	151	174
Chloroform	NA	1.22	5.95	1.0	9.75
Vinyl Chloride	NA	487	2820	454	1870
m + p-xylenes	NA	15100	12200	13.3	57.2
o-xylene	NA	4490	2080	21.8	19.6

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.
* total amount containing meta, para, and ortho isomers
NA - not analyzed since permanent gas results indicate sample not LFG.
NR - analysis not requested

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: February 6, 1992
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: January 29, 1992
Date Analyzed: January 29, 30, & 31, 1992

AtmAA Lab No.:	90292-18	90292-19
Sample I.D.:	VR108	VR135
	ISS Grid #2	ISS Grid #1
Components:	(Concentration in ppm, v/v)	
Methane	2.05	1.93
TGNMO	4.58	2.40
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	4.10	3.74
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	0.23	0.21
Dichloromethane	0.72	0.66
Perchloroethene	0.12	0.16
Carbon Tetrachloride	0.11	0.11
Toluene	14.8	11.1
1,1,1-trichloroethane	15.8	13.4
Trichloroethene	0.084	0.067
Chloroform	<0.8	<0.8
Vinyl Chloride	<0.1	<0.1
m + p-xylenes	5.04	3.80
o-xylene	2.28	1.58

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 %, v/v)			
Nitrogen	No Repeat				
Oxygen	No Repeat				
Methane	VR119	33.1	33.5	33.3	0.61
Carbon Dioxide	VR119	31.4	32.1	31.8	1.1
		(Concentration in ppm, v/v)			
TGNMO	VR136	223	223	223	0.0
		(Concentration in ppb, v/v)			
Acetonitrile	VR135	<0.8	<0.8	—	—
Benzene	VR119	2530	2420	2480	2.2
	VR138	61.7	56.2	59.0	4.7
	VR108	4.06	4.15	4.10	1.1
Benzylchloride	VR119	<20	<20	—	—
	VR138	<20	<20	—	—
Chlorobenzene	VR119	183	181	182	0.55
	VR138	<10	<10	—	—
	VR108	<0.1	<0.1	—	—
Dichlorobenzenes*	VR119	<20	<20	—	—
	VR138	<20	<20	—	—
	VR108	<1.1	<1.1	—	—
1,1-dichloroethane	VR091	40.5	40.5	40.5	0.0
	VR138	373	338	356	4.9
	VR108	<0.4	<0.4	—	—

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

1,2-dichloroethane	VR091	45.6	50.9	48.2	5.5
	VR136	<33	<33	---	---
	VR108	<33	<33	---	---
1,1-dichloroethylene	VR136	93.9	96.6	95.2	1.4
	VR108	0.24	0.22	0.23	4.3
Dichloromethane	VR091	<60	<60	---	---
	VR138	96.6	89.1	92.8	4.0
	VR108	0.72	0.72	0.72	0.0
Perchloroethene	VR136	501	450	476	5.4
	VR138	1240	1270	1260	1.2
	VR108	0.12	0.11	0.12	4.3
Carbon Tetrachloride	VR091	<1	<1	---	---
	VR136	<1	<1	---	---
	VR108	0.11	0.11	0.11	0.0
	VR135	0.11	0.11	0.11	0.0
Toluene	VR119	96800	92700	94800	2.2
	VR138	23.3	19.4	21.4	9.1
	VR108	14.8	14.9	14.8	0.34
1,1,1-trichloroethane	VR091	3.64	3.40	3.52	3.4
	VR138	70.0	65.4	67.7	3.4
	VR108	15.9	15.8	15.8	0.32
	VR135	13.5	13.4	13.4	0.37
Trichloroethene	VR091	252	251	252	0.20
	VR138	177	172	174	1.4
	VR108	0.083	0.084	0.084	0.60
	VR135	0.067	0.067	0.067	0.0
Chloroform	VR091	1.19	1.25	1.22	2.4
	VR138	10.2	9.30	9.75	4.6
	VR108	<0.8	<0.8	---	---
	VR135	<0.8	<0.8	---	---
Vinyl Chloride	VR136	473	435	454	4.2
	VR108	<0.1	<0.1	---	---

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)			
m + p-xylenes	VR119	12500	11900	12200	2.4
	VR138	58.6	55.8	57.2	2.4
	VR108	4.88	5.20	5.04	3.2
o-xylene	VR119	2150	2020	2080	3.1
	VR138	20.5	18.8	19.6	4.3
	VR108	2.21	2.36	2.28	3.3

A set of 7 Tedlar bag samples, laboratory numbers 90292-(13-19) was analyzed for SCAQMD 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 39 repeat measurements from the sample set of 7 Tedlar bag samples is 2.4%.

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LABORATORY ANALYSIS REPORT

Method 624 Analysis in Tedlar Bag Samples

Report Date: February 10, 1992
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: January 30, 1992
Date Analyzed: January 30, & 31, 1992

AtmAA Lab No.:	90292-13*	90292-14	90292-15
Sample I.D.:	VR112	VR091	VR119
	LFG	BE	BW
Components:	(Concentration in ppb, v/v)		
Dichlorodifluoromethane		<9.5	9260
Chloromethane		<26	<26
Vinyl chloride		487	2820
Bromomethane		<26	<26
Chloroethane		<86	<86
Trichlorofluoromethane		52.0	502
1,1-dichloroethene		115	990
Dichloromethane		<60	10800
t-1,2-dichloroethene		125	771
1,1-dichloroethane		40.5	6480
Chloroform		1.22	5.95
1,2-dichloroethane		48.2	476
1,1,1-trichloroethane		3.52	178
Benzene		2270	2480
Carbon Tetrachloride		<1	<1
1,2-dichloropropane		<39	2500
Bromodichloromethane		<14	<14
Trichloroethene		252	8160
2-chloroethylvinyl ether		<140	<140
t-1,3-dichloropropene		<23	<23
c-1,3-dichloropropene		<27	<27
1,1,2-trichloroethane		<20	<20
Toluene		20300	94800
Dibromochloromethane		<10	<13
Tetrachloroethene		199	18700
Chlorobenzene		327	182

* Sample 90292-13 was not analyzed for 624 components since the permanent gases results from the 1150.1 report indicated the sample did not contain landfill gas.

LABORATORY ANALYSIS REPORT

Method 624 Analysis in Tedlar Bag Samples

Report Date:	February 10, 1992
P.O. No.:	81481460-01
Site:	Bradley Landfill
Date Received:	January 29, 1992
Date Analyzed:	January 30, & 31, 1992

AtmAA Lab No.:	90292-13	90292-14	90292-15
Sample I.D.:	VR112	VR091	VR119
	LFG	BE	BW
Components:	(Concentration in ppb, v/v)		
Ethylbenzene		6950	6400
Bromoform		< 16	< 16
1,1,2,2-tetrachloroethane		< 9.5	< 9.5
1,3-dichlorobenzene		3.88	< 2
1,4-dichlorobenzene		10.1	2.58
1,2-dichlorobenzene		6.05	< 2

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Trichloroethene	VR081	6760	7060	6910	2.2
2-chloroethylvinyl ether	VR092	< 140	< 140	---	---
t-1,3-dichloropropene	VR092	< 23	< 23	---	---
c-1,3-dichloropropene	VR092	< 27	< 27	---	---
1,1,2-trichloroethane	VR092	< 20	< 20	---	---
Toluene	VR092	234000	232000	233000	0.43
Dibromochloromethane	VR092	< 13	< 13	---	---
Tetrachloroethene	VR092	524000	539000	532000	1.4
Chlorobenzene	VR092	702	677	690	1.8
Ethylbenzene	VR092	27000	26100	2660	1.7
Bromoform	VR092	< 16	< 16	---	---
1,1,2,2-tetrachloroethane	VR092	< 9.5	< 9.5	---	---
1,3-dichlorobenzene	VR092	< 8.6	< 8.6	---	---
1,4-dichlorobenzene	VR092	767	701	734	4.5
1,2-dichlorobenzene	VR092	120	110	115	4.3

A set of 3 Tedlar bag samples laboratory numbers 93021-(1-3) was analyzed for Method 624. 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 20 repeat measurements from the sample set of 3 Tedlar bag samples is 2.0%.

CHAIN OF CUSTODY RECORD

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

Site / Facility#: Bradley Landfill

Site Name: 9188 Glenoaks Blvd. Sun Valley, CA

Sampler: (Signature) Cozetta Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	Permanent Gases & Fixed Gas including dichlorodifluoromethane	EPA 624	H_2S	TGNMO	Methane				Field Comments	Lab* Comments
VR081	1/30/92	11:40	LFG	X	X	X	X	X	X				50% CH_4	90302-1
VR069	1/30/92	12:30	BE	X	X	X							58% CH_4	-2
VR092	1/30/92	12:17	BW	X	X	X							55% CH_4	-3

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Cozetta Wilson	1/30/92	1:15	[illegible]	1/30/92	1:15
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

FROM

LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Tedlar Bag Sample

Report Date: February 20, 1992
P.O. No.: 81481460-01
Site: Bradley Landfill

Date Received: January 30, 1992
Date Analyzed: January 30, 1992

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	[redacted] (Conc. in ppm)	(repeat)
90302-1	VR081	39.1	37.7

Michael L. Porter
Laboratory Director

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: February 10, 1992
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: January 30, 1992
Date Analyzed: January 30, 1992

AtmAA Lab No.:	90302-1	90302-2	90302-3
Sample I.D.:	VR081	VR069	VR092
	LFG	BE	BW
Components:	(Concentration in %, v/v)		
Nitrogen	25.5	17.2	11.9
Oxygen	3.94	0.88	0.41
Methane	36.9	44.2	45.0
Carbon Dioxide	33.9	38.6	42.9
	(Concentration in ppm, v/v)		
TGNMO	9140	9190	20600
	(Concentration in ppb, v/v)		
Acetonitrile	18.2	16.5	28.1
Benzene	1970	1830	3520
Benzylchloride	<20	<20	<20
Chlorobenzene	1140	4680	690
Dichlorobenzenes*	813	1100	849
1,1-dichloroethane	4210	2540	8030
1,2-dichloroethane	693	1040	1060
1,1-dichloroethylene	676	494	1240
Dichloromethane	6770	4290	14300
Perchloroethene	18200	15700	532000
Carbon Tetrachloride	<1	<1	<1
Toluene	86200	83100	233000
1,1,1-trichloroethane	82.8	72.8	78.4
Trichloroethene	6910	4940	17800
Chloroform	8.01	7.74	<2
Vinyl Chloride	2470	5540	3530
m + p-xylenes	40600	81900	57300
o-xylene	9350	11400	11700

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 %, v/v)			
Nitrogen	VR069	17.7	16.8	17.2	2.6
Oxygen	VR069	0.90	0.86	0.88	2.3
Methane	VR081	37.0	36.8	36.9	0.27
Carbon Dioxide	VR081	33.7	34.1	33.9	0.59
		(Concentration in ppm, v/v)			
TGNMO	VR081	9500	8780	9140	3.9
		(Concentration in ppb, v/v)			
Acetonitrile	VR081	17.7	18.8	18.2	3.0
Benzene	VR092	3460	3590	3520	1.8
Benzylchloride	VR092	< 20	< 20	---	---
Chlorobenzene	VR092	702	677	690	1.8
Dichlorobenzenes*	VR081	887	811	849	4.5
1,1-dichloroethane	VR069	2520	2560	2540	0.79
1,2-dichloroethane	VR069	1060	1030	1040	1.4
1,1-dichloroethylene	VR069	470	517	949	4.8
Dichloromethane	VR069	4320	4260	4290	0.70
Perchloroethene	VR092	524000	539000	532000	1.40
Carbon Tetrachloride	VR069	< 1	< 1	---	---
Toluene	VR092	234000	232000	233000	0.43

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 ppb, v/v)			
Dichlorodifluoromethane	VR092	13000	13000	13000	0.0
Chloromethane	VR092	< 26	< 26	---	---
Vinyl chloride	VR069	5320	5760	5540	4.0
Bromomethane	VR092	< 26	< 26	---	---
Chloroethane	VR092	1650	1750	1700	2.9
Trichlorofluoromethane	VR092	587	609	598	1.8
1,1-dichloroethene	VR069	470	517	494	4.8
Dichloromethane	VR069	4320	4260	4290	0.70
t-1,2-dichloroethene	VR092	1210	1290	1250	3.2
1,1-dichloroethane	VR089	3260	3350	3300	1.4
Chloroform	VR069	7.66	7.82	7.74	1.0
1,2-dichloroethane	VR069	1060	1030	1040	1.4
1,1,1-trichloroethane	VR069	72.9	72.8	72.8	0.07
Benzene	VR092	3460	3590	3520	1.8
Carbon Tetrachloride	VR069	< 1	< 1	---	---
1,2-dichloropropane	VR092	3890	3980	3940	1.1
Bromodichloromethane	VR092	< 14	< 14	---	---

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppb, v/v)			
Trichloroethene	VR081	6760	7060	6910	2.2
2-chloroethylvinyl ether	VR092	< 140	< 140	---	---
t-1,3-dichloropropene	VR092	< 23	< 23	---	---
c-1,3-dichloropropene	VR092	< 27	< 27	---	---
1,1,2-trichloroethane	VR092	< 20	< 20	---	---
Toluene	VR092	234000	232000	233000	0.43
Dibromochloromethane	VR092	< 13	< 13	---	---
Tetrachloroethene	VR092	524000	539000	532000	1.4
Chlorobenzene	VR092	702	677	690	1.8
Ethylbenzene	VR092	27000	26100	2660	1.7
Bromoform	VR092	< 16	< 16	---	---
1,1,2,2-tetrachloroethane	VR092	< 9.5	< 9.5	---	---
1,3-dichlorobenzene	VR092	< 8.6	< 8.6	---	---
1,4-dichlorobenzene	VR092	767	701	734	4.5
1,2-dichlorobenzene	VR092	120	110	115	4.3

A set of 3 Tedlar bag samples laboratory numbers 93021-(1-3) was analyzed for Method 624. 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 20 repeat measurements from the sample set of 3 Tedlar bag samples is 2.0%.

CHAIN OF CUSTODY RECORD

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

Site / Facility#: Bradley Landfill

Site Name: 9188 Glenoaks Blvd. Sun Valley, CA

Sampler: (Signature) Cozette Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	Permanent Gases & Fixed Gases	EPA 624 (including dichlorodifluoromethane)	H_2S	TGNMO	Methane				Field Comments	Lab* Comments (ATMAA Lab #)
VR081	1/30/92	11:40	LFG	X	X	X	X	X	X				50% CH_4	90302-1
VR069	1/30/92	12:30	BE	X	X	X							58% CH_4	-2
VR092	1/30/92	12:17	BW	X	X	X							55% CH_4	-3

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Cozette Wilson	1/30/92	1:15	[illegible]	1/30/92	1:15
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

LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Tedlar Bag Sample

Report Date: February 20, 1992
P.O. No.: 81481460-01
Site: Bradley Landfill

Date Received: January 30, 1992
Date Analyzed: January 30, 1992

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	[redacted] (Conc. in ppm)	(repeat)
90302-1	VR081	39.1	37.7

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)			
1,1-dichloroethylene	VR127	681	630	656	3.9
	VR120	0.28	0.31	0.30	5.1
Dichloromethane	VR127	7700	7670	7680	0.20
	VR120	2.80	2.72	2.76	1.4
Perchloroethene	VR129	1.50	1.44	1.47	2.0
	VR127	33800	29700	31800	6.4
	VR137	1.23	1.23	1.23	0.0
Carbon Tetrachloride	VR127	< 1	< 1	---	---
	VR137	0.10	0.10	0.10	0.0
Toluene	VR127	63700	57500	60600	5.1
	VR137	8.42	8.86	8.64	2.5
	VR120	12.9	14.2	13.6	4.8
1,1,1-trichloroethane	VR127	150	151	150	0.33
	VR137	2.02	2.00	2.01	0.50
Trichloroethene	VR127	6030	5570	5800	4.0
	VR137	< 0.06	< 0.06	---	---
Chloroform	VR127	3.16	3.02	3.09	2.3
	VR137	< 0.08	< 0.08	---	---
Vinyl Chloride	VR127	2740	2600	2670	2.6
	VR120	< 0.1	< 0.1	---	---
m + p-xylenes	VR127	27000	23900	25400	6.1
	VR137	4.97	5.32	5.14	3.4
	VR120	8.22	8.82	8.52	3.5
o-xylene	VR127	6940	6120	6530	6.3
	VR137	2.48	2.70	2.59	4.2
	VR120	3.80	3.89	3.84	1.2

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LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Tedlar Bag Sample

Report Date: March 5, 1992
P.O. No.: 8148460-01
Site: Bradley Landfill

Date Received: February 26, 1992
Date Analyzed: February 26, 1992

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)
90572-12	VR127	44.0	44.7

Michael L. Porter
Laboratory Director

CHAIN OF CUSTODY RECORD

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

Site / Facility#: # 235 1 Bradley Landfill

Site Name: Bradley Landfill

Sampler: (Signature)

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	TGNMO	Methane	Permanent	H_2S		CH_4 %		ATMAA Lab#	Field Comments	Lab* Comments
VR 117	2/25/92	16:17	Gas Probe E4	X	X	X	X			0.3		90572-10		
VR 129	2/25/92	15:45	Gas Probe E8D	X	X	X	X			0		90572-11		
VR 127	2/25/92	13:20	LFG	X	X		X	X		39		90572-12		
VR 137	2/25/92	7:40	ISS #3	X	X		X					90572-13		
VR 120	2/25/92	8:10	ISS #4	X	X		X					90572-14		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	2/26/92	11:24			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[signature]	2/26/92	11:29

* 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

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- RECEIVED
MAR 17 1992
VALLEY RECLAMATION

March 13, 1992

LTR/089/92
8000

John Mays
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No.: 81481460-01

Dear John:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain-of-custody form for two Tedlar bag samples received on March 4, 1992.

The samples were analyzed for SCAQMD contaminants, permanent gases, and total gaseous non-methane organics (TGNMO).

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/kp

AtmAA Inc.
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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: March 13, 1992
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: March 4, 1992
Date Analyzed: March 5, & 6, 1992

AtmAA Lab No.:	90642-15	90642-16
Sample I.D.:	VR096	VR125
	Probe	Internal
	GP-E4	Gas
Components:	(Concentration in %, v/v)	
Nitrogen	70.1	17.2
Oxygen	3.26	0.92
Methane	7.12	44.4
Carbon Dioxide	20.3	39.7
	(Concentration in ppm, v/v)	
TGNMO	109	6900
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	15.6
Benzene	<20	2510
Benzylchloride	<20	<20
Chlorobenzene	<20	1170
Dichlorobenzenes*	<20	332
1,1-dichloroethane	19.8	4340
1,2-dichloroethane	<20	362
1,1-dichloroethylene	13.4	738
Dichloromethane	<60	9780
Perchloroethane	476	29400
Carbon Tetrachloride	<1	<1
Toluene	<20	84200
1,1,1-trichloroethane	2.42	220
Trichloroethene	23.2	5780
Chloroform	<1	3.10
Vinyl Chloride	20.8	3040
m + p-xylenes	<20	28400
o-xylene	<20	6440

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

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %, v/v)			
Nitrogen	VR096	70.0	70.2	70.1	0.14
Oxygen	VR096	3.23	3.30	3.26	1.1
Methane	VR125	44.3	44.4	44.4	0.22
Carbon Dioxide	VR125	39.6	39.8	39.7	0.25
		(Concentration in ppm, v/v)			
TGNMO	VR096	107	111	109	1.8
		(Concentration in ppb, v/v)			
Acetonitrile	VR125	16.9	14.2	15.6	8.7
Benzene	VR125	2550	2470	2510	1.6
Benzylchloride	VR125	<20	<20	—	—
Chlorobenzene	VR125	1190	1150	1170	1.7
Dichlorobenzenes*	VR125	346	319	332	4.1
1,1-dichloroethane	VR125	4390	4300	4340	1.0
1,2-dichloroethane	VR125	353	371	362	2.5
1,1-dichloroethylene	VR125	729	747	738	1.2
Dichloromethane	VR125	9840	9720	9780	0.61
Perchloroethene	VR096	496	455	476	4.3
Carbon Tetrachloride	VR125	<1	<1	—	—
Toluene	VR125	85900	82400	84200	2.1

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)			
1,1,1-trichloroethane	VR125	222	219	220	0.68
Trichloroethene	VR125	5860	5710	5780	1.3
Chloroform	VR125	3.10	< 3	---	---
Vinyl Chloride	VR125	3040	3040	3040	0.0
m + p-xylenes	VR125	29000	27700	28400	2.3
o-xylene	VR125	6580	6290	6440	2.2

A set of 2 Tedlar bag samples, laboratory numbers 90642-(15 & 16) was analyzed for SCAQMD 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 21 repeat measurements from the sample set of 2 Tedlar bag samples is 1.8%.

AtmAA Inc.
21354 Nordhoff St., Suite 113, Chatsworth, CA 91311 (818) 718-6070 • FAX (818) 718-9779
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LABORATORY ANALYSIS REPORT

Hydrogen Sulfide Analysis in Tedlar Bag Sample

Report Date: March 18, 1992
P.O. No.: 81481460-01
Site: Bradley Landfill

Date Received: March 4, 1992
Date Analyzed: March 5, 1992

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)
90642-16	VR125	45.7	46.9

Michael L. Porter
Laboratory Director

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA Environmental Mgmt. Dept.	Atm AA. Inc.	No.

Site / Facility# 234

Site Name Bradley Landfill

Sampler: (Signature) [signature]

Bag Identification Number	Date	Time	Type Of Sample	Permanent Gases	TGNMO	1150.1 Toxics	H_2S			CH_4 %	AtmAA Lab#		Field Comments	Lab* Comments
VR096	3/4/92	11:21	Probe	✓	✓	✓	✓			7	90042-156.P-E4			
VR125	3/4/92	11:55	Internal Gas	✓	✓	✓	✓					-16		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/4/92	16:00			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[signature]	3/4/92	1600

* 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.
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March 20, 1992

LTR/100/92
8000

MAR 25 1992

John Mays
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No.: 81481460-01

Dear John:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain-of-custody form for seven Tedlar bag samples received on March 18, 1992.

The samples were analyzed for SCAQMD 1150.1 contaminants, methane and total gaseous non-methane organics (TGNMO).

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/kp

AtmAA Inc.
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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants
Analysis in Tedlar Bag Samples

Report Date: March 20, 1992
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: March 18, 1992
Date Analyzed: March 18, & 19, 1992

AtmAA Lab No.:	90782-44	90782-45	90782-46	90782-47	90782-48
Sample I.D.:	VR173	VR174	VR171	VR172	VR170
	AA DW	AA UW	A DW < 24hr	AA DW	AA DW
	24hrs	< 24hrs.	Co-located	24hrs.	< 24hrs.
Components:	(Concentration in ppm, v/v)				
Methane	2.33	2.75	3.77	3.86	3.70
TGNMO	1.73	2.67	4.29	4.36	4.23
	(Concentration in ppb, v/v)				
Acetonitrile	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Benzene	1.37	1.26	1.87	1.68	1.88
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	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40
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	0.62	0.83	0.62	0.40	0.62
Perchloroethene	0.19	0.18	0.46	0.26	0.40
Carbon Tetrachloride	0.11	0.10	0.11	0.12	0.10
Toluene	3.94	3.77	5.87	4.68	7.06
1,1,1-trichloroethane	2.62	4.02	2.37	2.02	2.27
Trichloroethene	0.089	< 0.06	0.11	0.063	0.11
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	1.09	1.19	2.29	1.55	2.36
o-xylene	0.66	0.64	1.22	0.77	1.28

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

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

March 3, 1992

LTR/080/92
8000

John Mays
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No.: 81481460-01

Dear John:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain-of-custody form for five Tedlar bag samples received on February 28, 1992.

The samples were analyzed for SCAQMD Rule 1150.1 contaminants, methane, and total gaseous non-methane organics (TGNMO).

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/kp

AAA Inc.
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laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: March 3, 1992
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: February 28, 1992
Date Analyzed: February 28, & March 2, 1992

AtmAA Lab No.:	90592-2	90592-3	90592-4	90592-5	90592-6
Sample I.D.:	VR165	VR166	VR167	VR168	VR169
	A.A. D.W.	A.A. U.W.	A.A. U.W.	A.A. D.W.	A.A. D.W.
	< 24hr.	24hr.	< 24hr.	DUP. < 24hr.	24hr.
Components:	(Concentration in ppm, v/v)				
Methane	2.22	2.82	1.84	2.28	1.95
TGNMO	3.98	5.63	5.04	5.84	5.46
	(Concentration in ppb, v/v)				
Acetonitrile	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Benzene	1.23	1.23	1.17	1.10	1.23
Benzylchloride	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Chlorobenzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dichlorobenzene*	< 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	0.44	0.45	0.38	0.49	0.75
Perchloroethene	0.25	0.20	0.24	0.25	0.19
Carbon Tetrachloride	0.11	0.11	0.11	0.099	0.098
Toluene	2.10	2.50	2.04	1.90	2.90
1,1,1-trichloroethane	1.28	1.53	1.12	1.22	4.04
Trichloroethene	< 0.06	0.086	< 0.06	0.080	0.069
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-xylene	0.77	1.01	0.70	0.57	1.02
o-xylene	0.52	0.63	0.39	0.36	0.65

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	VR165	2.21	2.24	2.22	0.67
TGNMO	VR165	3.62	4.33	3.98	8.9
		(Concentration in ppb, v/v)			
Acetonitrile	VR169	<0.8	<0.8	---	---
Benzene	VR166	1.24	1.22	1.23	0.81
Benzylchloride	VR168	<0.8	<0.8	---	---
Chlorobenzene	VR166	<0.1	<0.1	---	---
Dichlorobenzenes*	VR168	<1.1	<1.1	---	---
1,1-dichloroethane	VR169	<0.4	<0.4	---	---
1,2-dichloroethane	VR169	<0.2	<0.2	---	---
1,1-dichloroethylene	VR168	<0.1	<0.1	---	---
Dichloromethane	VR169	0.76	0.74	0.75	1.3
Perchloroethene	VR169	0.19	0.19	0.19	0.0
Carbon Tetrachloride	VR169	0.098	0.099	0.098	0.51
Toluene	VR166	2.50	2.49	2.50	0.20
1,1,1-trichloroethane	VR169	4.04	4.03	4.04	0.12
Trichloroethene	VR169	0.070	0.068	0.069	1.4
Chloroform	VR169	<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	VR168	< 0.1	< 0.1	---	---
m + p-xylenes	VR166	1.04	0.98	1.01	3.0
o-xylene	VR166	0.64	0.62	0.63	1.6

A set of 5 Tedlar bag samples laboratory numbers, 90592-(2-6) was analyzed for SCAQMD 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 1.7%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA Environmental Mgmt. Dept.	Atm AA. Inc.	No.

Site / Facility# 234

Site Name Brattley Land fill

Sampler: (Signature) [illegible]

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Air Toxics	Methane	TGNMO							Field Comments	Lab* Comments
				Analyses						Field Testing				
										AtmAA Lab#				
VR 165	2/28/92	06:00	A.A. D.W <24 hr	x	x	x				90592-2				
VR 166	2/28/92	10:00	AA D.W 24hr	x	x	x						-3		
VR 167	2/28/92	06:00	A.A. D.W <24hr	x	x	x						-4		
VR 168	2/28/92	06:00	AA. DW <24hr Dup	x	x	x						-5		
VR 169	2/28/92	10:00	A.A. D.W 24hr	x	x	x						-6		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Susan Kilgore	2-28-92	11:27	[illegible]		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[illegible]	2/28/92	11:27

* 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
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environmental consultants
laboratory services

MAR 11 1992
VALLEY RECLAMATION

March 6, 1992

LTR/081/92
8000

John Mays
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No.: 81481460-01

Dear John:

Please find enclosed the laboratory analysis reports, quality assurance summaries, and the original chain-of-custody forms for five Tedlar bag samples and seven Summa canister samples received on February 26, 1992.

The samples were analyzed for SCAQMD Rule 1150.1 contaminants, selected components, permanent gases, methane, and total gaseous non-methane organics (TGNMO), as requested.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/kp

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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: March 4, 1992
P.O. No.: 81481460-01
Site: Bradley Landfill
Date Received: February 26, 1992
Date Analyzed: February 26, 27, & 28, 1992

AtmAA Lab No.:	90572-10	90572-11	90572-12	90572-13	90572-14
Sample I.D.:	VR117 Probe E4	VR129 Probe E8D	VR127 LFG	VR137 ISS #3	VR120 ISS #4
	(Concentration in %, v/v)				
Components:					
Nitrogen	74.6	78.2	24.8		
Oxygen	1.26	22.0	4.70		
Methane	4.27	< 0.1	37.4		
Carbon Dioxide	20.4	< 0.1	33.6		
	(Concentration in ppm, v/v)				
Methane		290			
TGNMO	77.8	6.00	8260	1.91	2.02
	(Concentration in ppb, v/v)				
Acetonitrile	< 0.8	< 0.8	9.14	< 0.8	< 0.8
Benzene	3.67	< 1	1750	4.30	6.04
Benzylchloride	< 20	< 20	< 20	< 20	< 20
Chlorobenzene	< 20	< 20	506	< 0.1	< 0.1
Dichlorobenzenes*	< 20	< 20	360	< 1.1	< 1.1
1,1-dichloroethane	< 40	< 40	3800	< 0.4	< 0.4
1,2-dichloroethane	< 33	< 33	294	< 0.2	< 0.2
1,1-dichloroethylene	9.90	< 5	656	0.23	0.30
Dichloromethane	< 60	< 60	7680	2.27	2.76
Perchloroethene	230	1.47	31800	1.23	2.05
Carbon Tetrachloride	< 1	< 1	< 1	0.10	0.10
Toluene	2.68	2.87	60600	8.64	13.6
1,1,1-trichloroethane	2.09	< 1	150	2.01	1.62
Trichloroethene	21.0	< 5	5800	< 0.06	< 0.06
Chloroform	1.19	< 1	3.09	< 0.08	< 0.08
Vinyl Chloride	14.3	< 5	2670	< 0.1	< 0.1
m + p-xylenes	5.59	2.76	25400	5.14	8.52
o-xylene	4.01	1.64	6530	2.59	3.84

TGNMO is total gaseous non-methane organics measured and reported as ppm methane.
* total amount containing meta, para, and ortho isomers
* N2/O2 normalized relative to CO2/CH4 due to apparent leak in bag.

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 %, v/v)			
Nitrogen	VR117	74.5	74.6	74.6	0.07
Oxygen	No Repeat				
Methane	VR117	4.31	4.23	4.27	0.94
	VR127	37.2	37.5	37.4	0.40
Carbon Dioxide	VR117	20.4	20.4	20.4	0.0
	VR127	33.6	33.6	33.6	0.0
		(Concentration in ppm, v/v)			
TGNMO	SV117	79.3	76.3	77.8	1.9
		(Concentration in ppb, v/v)			
Acetonitrile	SV127	9.37	8.90	9.14	2.6
	SV120	<0.8	<0.8	---	---
Benzene	SV127	1840	1600	1750	5.1
	SV137	4.17	4.42	4.30	2.9
	SV120	5.88	6.20	6.04	2.6
Benzylchloride	VR127	<20	<20	---	---
Chlorobenzene	VR127	478	535	506	5.6
	VR137	<0.1	<0.1	---	---
	VR120	<0.1	<0.1	---	---
Dichlorobenzenes*	VR127	392	329	360	8.7
	VR137	<1.1	<1.1	---	---
1,1-dichloroethane	VR127	3840	3750	3800	1.2
	VR137	<0.4	<0.4	---	---
1,2-dichloroethane	VR127	312	276	294	6.1
	VR137	<0.2	<0.2	---	---

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)
(continued)

A set of 5 Tedlar bag samples laboratory numbers, 90572-(10-14) was analyzed for SCAQMD 1150.1 contaminants, permanent gases, methane, and total gaseous non-methane organics. 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 36 repeat measurements from the sample set of 5 Tedlar bag samples is 2.9%.

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants
Analysis in Tedlar Bag Samples

Report Date:	March 20, 1992
P.O. No.:	81481460-01
Site:	Bradley Landfill
Date Received:	March 18, 1992
Date Analyzed:	March 18, & 19, 1992

AtmAA Lab No.:	90782-49	90782-50
Sample I.D.:	VR107	VR162
	ISS	ISS
	Grid 8	Grid 9
Components:	(Concentration in ppm, v/v)	
Methane	2.20	2.12
TGNMO	1.86	4.48
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	1.10	1.06
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	<0.1	<0.1
Dichloromethane	0.50	0.52
Perchloroethene	0.12	<0.1
Carbon Tetrachloride	0.11	0.11
Toluene	2.22	2.17
1,1,1-trichloroethane	1.14	1.00
Trichloroethene	0.065	0.085
Chloroform	<0.08	<0.08
Vinyl Chloride	<0.1	<0.1
m + p-xylenes	0.85	0.67
o-xylene	0.41	0.36

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	VR173	2.36	2.30	2.33	1.3
TGNMO	VR172	4.25	4.47	4.36	3.0
		(Concentration in ppb, v/v)			
Acetonitrile	VR170	<0.8	<0.8	—	—
Benzene	VR170	1.85	1.91	1.88	1.6
Benzylchloride	VR107	<0.8	<0.8	—	—
Chlorobenzene	VR170	<0.1	<0.1	—	—
Dichlorobenzenes*	VR107	<1.1	<1.1	—	—
1,1-dichloroethane	VR170	<0.40	<0.40	—	—
1,2-dichloroethane	VR170	<0.2	<0.2	—	—
1,1-dichloroethylene	VR172	<0.1	<0.1	—	—
Dichloromethane	VR174	0.83	0.83	0.83	0.0
Perchloroethene	VR174	0.18	0.18	0.18	0.0
	VR170	0.42	0.39	0.40	3.7
Carbon Tetrachloride	VR174	0.11	0.10	0.10	4.8
	VR170	0.10	0.10	0.10	0.0
Toluene	VR170	6.98	7.15	7.06	1.2
1,1,1-trichloroethane	VR174	4.02	4.03	4.02	0.12
Trichloroethene	VR174	<0.06	<0.06	—	—

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	VR174	< 0.08	< 0.08	---	---
Vinyl Chloride	VR172	< 0.1	< 0.1	---	---
m + p-xylenes	VR170	2.35	2.36	2.36	0.21
o-xylene	VR170	1.34	1.23	1.28	4.3

A set of 7 Tedlar bag samples, laboratory numbers 90782-(44-50) was analyzed for SCAQMD 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 12 repeat measurements from the sample set of 7 Tedlar bag samples is 1.7%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA Environmental Mgmt. Dept.	ATM AA Inc.	No.

Site/Facility # Bradley Landfill /#234

Site Name Bradley Landfill

Sampler: (Signature) [signature]

Bag Identification Number	Date	Time	Type Of Sample	1150-1 Air Toxics	Methane	TGNMO	Permanent Gases						Field Comments	Lab* Comments
				Analyses						Field Testing				
VR173	3/16/92	11:00	AA DW 24hrs	X	X	X								90782-44
VR174	3/17/92	12:00	AA UW <24hrs	X	X	X								-45
VR171	3/17/92	12:00	AA DW <24hrs Co-located	X	X	X								-46
VR172	3/16/92	11:00	AA DW 24hrs	X	X	X								-47
VR170	3/17/92	12:00	AA DW <24hrs	X	X	X								-48
VR 107	3/18/92	6:55	ISS Grid 8	X		X	X			0.7% ppm			Methane	-49
VR 162	3/18/92	7:28	ISS Grid 9	X		X	X			0.6 ppm			" "	-50

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/92	3:04			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			Karen Porter	3/18/92	3:09

* 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

WMNA - EMD

TEDLAR BAG PURGING/INSPECTION CHECKLIST

SITE: 234

DATE: 3/4/92 START TIME: 9:00 COMPLETION TIME: 9:05

TECHNICIAN: Johnson

BAG I.D. NO.: VR125 DATE IN SERVICE: 3/4/92

VISUAL CONDITION OF BAG: OK

BAG LEAK TEST: PASS (✓) FAIL ( )

BAG FILLED & EMPTIED 3 TIMES WITH NITROGEN: ✓

BAG VALVES TAGGED & SEALED (SHUT OFF): ✓

BAG STORED & CHECKLIST COMPLETED: ✓

PROBLEMS/COMMENTS:

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel R. Johnson

site location 234

sample location LFG

bag number VR125

sampler number

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

PROGRAM START: DATE 3/4/92 TIME: 1155 PROGRAM STOP: DATE TIME:

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

WMNA - EMD

TEDLAR BAG PURGING/INSPECTION CHECKLIST

SITE: 234

DATE: 3/4/92 START TIME: 9:05 COMPLETION TIME: 9:07

TECHNICIAN: Johnson

BAG I.D. NO.: VR096 DATE IN SERVICE: 3/4/92

VISUAL CONDITION OF BAG: OK

BAG LEAK TEST: PASS (✓) FAIL ( )

BAG FILLED & EMPTIED 3 TIMES WITH NITROGEN: ✓

BAG VALVES TAGGED & SEALED (SHUT OFF): ✓

BAG STORED & CHECKLIST COMPLETED: ✓

PROBLEMS/COMMENTS:

A Waste Management Company

WMNA EMD

SCAQMD 1150.1 FIELD DATA SHEET

personnel R Johnson

sample location BP - E4

bag number VR096

site location 234

sampler number

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

PROGRAM START: DATE 3/4/92 TIME: 11:21 PROGRAM STOP: DATE TIME:

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

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3/16/92
Start Time:_____ Completion Time:_____

Technician: C.W. Bag I.D. No.: VR 139

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnsen

Sample Location: Grid #1 Sampler Number:_____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 3/20/92 Time: 7:20
Program Stop Date:_____ Time: 7:45

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start:_____ Stop:_____

Field Readings: 0.3 Methane ppm
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3/16/92
Start Time: _____ Completion Time: _____

Technician: C.W. Bag I.D. No.: VR 110

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid #2 Sampler Number: _____

Sample Type: Ambient Air (/ISS) /LFG /Probes /Head Space

Program Start Date: 3/17/92 Time: 7:47
Program Stop Date: _____ Time: 8:12

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0.3 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3/16/92
Start Time:_____ Completion Time:_____

Technician: C.W. Bag I.D. No.: VR 93

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: Wilson

Sample Location: Grid #3 Sampler Number: 9011

Sample Type: Ambient Air /SS /LFG /Probes /Head Space

Program Start Date: 3/17/92 Time: 7:12
Program Stop Date: 3/17/92 Time: 7:37

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start:_____ Stop:_____

Field Readings: 0.2 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3/17/92
Start Time: _____ Completion Time: _____

Technician: R. Johnson Bag I.D. No.: VR 128

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: Wilson

Sample Location: Grid 4 Sampler Number: 9011

Sample Type: Ambient Air (/ISS) /LFG /Probes /Head Space

Program Start Date: 3/18/92 Time: 6:22
Program Stop Date: 3/18/92 Time: 6.47

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 19 Stop: 19

Field Readings: 0.4 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3/12/92
Start Time: 1151 Completion Time: 1153

Technician: R. Johnson Bag I.D. No.: VR163

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid 6 Sampler Number: 9011

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 3/18/92 Time: 6:50
Program Stop Date: Time: 7:15

Program Timer Setting: Actual Time:

Rotometer Setting Start: Stop:

Field Readings: 0.2 ppm Methane
Other (Specify)

Observations:

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3/12/92
Start Time: 11:50 Completion Time: 11:52

Technician: R. Johnson Bag I.D. No.: VR 176

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid 7 Sampler Number: 9011

Sample Type: Ambient Air (ISS) /LFG /Probes /Head Space

Program Start Date: 3/18/92 Time: 7:15
Program Stop Date: _____ Time: 7:35

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0.1 ppm Methane
_____ Other (Specify) _____

Observations: _____

Lab 3/18

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 334 Date: 3/17/92
Start Time: _____ Completion Time: _____

Technician: R. Johnson Bag I.D. No.: VR107

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: Wilson

Sample Location: Grid 8 Sampler Number: _____

Sample Type: Ambient Air (ISS) /LFG /Probes /Head Space

Program Start Date: 3/18/92 Time: 6:55
Program Stop Date: 3/18/92 Time: 7:20

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 19 Stop: 19

Field Readings: 0.7 ppm Methane
_____ Other (Specify) _____

Observations: _____

Lab 3/18

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3/12/92
Start Time: 11:31 Completion Time: 11:33

Technician: R. Johnson Bag I.D. No.: VR162

Visual Condition of Bag: Good

Bag Leak Test: Pass (X) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (X) No ( )

Bag Valve Shut Off: Yes (X) No ( )

Bag Stored & Checklist Completed: Yes (X) No ( )

Field Information

Personnel: Wilson

Sample Location: Grid 9 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 3/18 Time: 7:28
Program Stop Date: _____ Time: 7:53

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 19 Stop: 19

Field Readings: 0.6 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3/16/92
Start Time:_____ Completion Time:_____

Technician: C.W. Bag I.D. No.: VR 153

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid #13 Sampler Number: 904

Sample Type: Ambient Air (/ISS) /LFG /Probes /Head Space

Program Start Date: 3/18/92 Time: 7:47
Program Stop Date:_____ Time: 8:12

Program Timer Setting:_____ Actual Time:_____

Rotometer Setting Start:_____ Stop:_____

Field Readings: 0.4 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3/12/92
Start Time: 11:42 Completion Time: 11:48

Technician: R. Johnson Bag I.D. No.: VR173

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: Wilson

Sample Location: DW 24hrs Sampler Number: 9005

Sample Type: (Ambient Air) /ISS /LFG /Probes /Head Space

Program Start Date: 3/16/92 Time: 11:00
Program Stop Date: 3/17/92 Time: 11:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3/12/92
Start Time: 11:38 Completion Time: 11:40

Technician: R. Johnson Bag I.D. No.: VR171

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: L. Wilson

Sample Location: D.W <24hr Dup Sampler Number: 9001

Sample Type: (Ambient Air) /ISS /LFG /Probes /Head Space

Program Start Date: 3/17/92 Time: 0:00
Program Stop Date: 3/17/92 Time: 06:00

Program Timer Setting: 10:28 Actual Time: 10:28

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3/12/92
Start Time: 11:44 Completion Time: 11:46

Technician: R. Johnson Bag I.D. No.: VR174

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R Johnson

Sample Location: U.W <24hr Sampler Number: 9003

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 3/17/92 Time: 0500
Program Stop Date: 3/17/92 Time: 0600

Program Timer Setting: 10:40 Actual Time: 10:40

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3-12-92
Start Time: 11:35 Completion Time: 11:37

Technician: R. Johnson Bag I.D. No.: VR170

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: D.W 24hr Sampler Number: 9004

Sample Type: (Ambient Air) /ISS /LFG /Probes /Head Space

Program Start Date: 3/17/92 Time: 0:00
Program Stop Date: 3/17/92 Time: 06:00

Program Timer Setting: 10:25 Actual Time: 10:25

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3/12/92
Start Time: 11:40 Completion Time: 11:42

Technician: R. Johnson Bag I.D. No.: VR172

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: C. Wilson

Sample Location: UW 24 hrs Sampler Number: 9002

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 3/16/92 Time: 11:00
Program Stop Date: 3/17/92 Time: 11:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

PARTIALLY SCANNED OVERSIZE ITEM(S)

See document # 2199227
for partially scanned image(s).

9 OF 14

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

APPENDIX F

PERIMETER PROBE SITE MAP AND WEEKLY GAS PROBE READINGS

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): 29.94
BAROMETER (after): 29.94

BY Wilson DATE: 12/6/91 START TIME: 2:00 FINISH TIME: 3:03

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.08								
E-2S	Ø	+0.02								
E-2M	Ø	+0.06								
E-2D	Ø	+0.13								
E-3	Ø	+0.04								
E-4	Ø	+0.03								
E-5S	Ø	+0.07								
E-5M	Ø	+0.02								
E-5D	Ø	+0.01								
E-6	Ø	+0.13								
E-7	Ø	-0.02	10							
E-8S	Ø	-0.02	~~+0.02~~							
E-8M	Ø	~~.05~~	~~+0.02~~ -0.02	110	-3	47.1	.82	48.7	23.4	
E-8D	11	0.02	~~+0.25~~	106	-4	44	.81	44.6	26.8	
E-9	Ø	-0.03								
E-10	Ø	-0.04	11							
E-11S	Ø	+0.05								
E-11M	Ø	+0.13								
E-11D	Ø	+0.61								
E-12	Ø	+0.00								
E-13	Ø	+0.01								
E-14S	Ø	+0.04								
E-14M	Ø	-0.02								
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
G. Kilgore

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.94
BAROMETER (after): 29.94

BY: Wilson DATE: 12/6/91 START TIME: 3:00 FINISH TIME: 3:55

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+0.13								
W-1M	Ø	+0.01								
W-1D	Ø	+0.04								
W-2A	Ø	+0.04								
W-2B	Ø	+0.01								
W-3S	Ø	+0.00								
W-3M	Ø	+0.02								
W-3D	Ø	+0.05								
1	Ø	+0.06								
-5S	Ø	+0.00								
-5M	Ø	+0.00								
W-5D	Ø	+0.08								
W-6	Ø	-0.01								
W-7S	Ø	+0.04								
W-7M	Ø	+0.13								
W-7D	Ø	+0.04								
W-8	Ø	+0.05								
W-9A	Ø	+0.01								
W-9B	Ø	+0.04								
W-10S	Ø	+0.05								
W-10M	Ø	+0.33								
W-10D	Ø	+0.02								
W-11	Ø	+0.02								
W-12S	Ø	+0.13								
W-12M	Ø	+0.01								
W-12D	Ø	+0.07								
W-13	Ø	+0.08								
W-14S	Ø	+0.12								
W-14M	Ø	+0.11								
W-14D	Ø	+0.1								

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): 30.09
BAROMETER (after): 30.09

BY: DRAGAN DATE: 12/12/91 START TIME: 1:15 FINISH TIME: 2:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+0.28								
E-2S	Ø	~~+1.0~~ +0.11								
E-2M	Ø	+0.17								
E-2D	Ø	-0.16								
E-3	Ø	+0.02								
E-4	Ø	+0.04								
E-5S	Ø	+0.03								
E-5M	Ø	+0.05								
E-5D	Ø	+0.04								
E-6	Ø	-0.34								
E-7	Ø	-0.18								
E-8S	Ø	+0.17								
E-8M	Ø	-0.16								
E-8D	17	+0.4								
E-9	Ø	+0.03								
E-10	Ø	+0.03								
E-11S	Ø	+0.02								
E-11M	Ø	+0.04								
E-11D	Ø	+0.08								
E-12	Ø	+0.05								
E-13	Ø	+0.03								
E-14S	Ø	+0.01								
E-14M	Ø	+0.03								
E-14D	Ø	+0.06								

Comments:

Valley Reclamation
9227 Tujunga Ave.
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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): 30.09
BAROMETER (after): 30.07

BY: DRUGAN DATE: 12/12/91 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	+0.03								
W-1M	Ø	+0.09								
W-1D	Ø	+0.14								
W-2A	Ø	+0.09								
W-2B	Ø	+0.06								
W-3S	Ø	+0.02								
W-3M	Ø	+0.05								
W-3D	Ø	+0.10								
W-4	Ø	+0.05								
W-5S	Ø	+0.03								
W-5M	Ø	+0.07								
W-5D	Ø	+0.13								
W-6	Ø	+0.06								
W-7S	Ø	-0.08								
W-7M	Ø	+0.06								
W-7D	Ø	-0.07								
W-8	Ø	-0.03								
W-9A	Ø	-0.0								
W-9B	Ø	-0.05								
W-10S	Ø	-0.01								
W-10M	Ø	-0.03								
W-10D	Ø	-0.03								
W-11	Ø	+0.01								
W-12S	Ø	-0.02								
W-12M	Ø	-0.01								
W-12D	Ø	-0.01								
W-13	Ø	+0.02								
W-14S	Ø	+0.02								
W-14M	Ø	+0.02								
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
Bradley EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 30.06
BAROMETER (after): 30.06

BY: [illegible] DATE: 10/26/91 START TIME: 2:10 FINISH TIME: 3:10

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (" wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	0	+0.01								
E-2S	0	+0.04								
E-2M	0	+0.28								
E-2D	0	+0.13								
E-3	0	+0.02								
E-4	0	-0.01								
E-5S	0	+0.14								
E-5M	0	+0.11								
E-5D	0	+0.17								
E-6	0	+0.13								
E-7	0	+0.04								
E-8S	0	+0.01								
E-8M	0	+0.07	9	110	-2	25	.95	51.7	20.7	
E-8D	5	-0.16	10	110	-1.2	23	1.1	53.7	20.1	
E-9	0	+0.15								
E-10	0	+0.01								
E-11S	0	+0.13								
E-11M	0	0.01								
E-11D	0	0.02								
E-12	0	0.03								
E-13	0	+0.47								
E-14S	0	0.32								
E-14M	0	0.01								
E-14D	0	-0.04								

Comments:

Gas free.

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

BRADLEY LANDFILL
Gas Probe Readings
Revision 2

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

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 30.06
BAROMETER (after): 30.06

BY: W. Wilson DATE: 12/2/91 START TIME: 2:10 FINISH TIME: 4:15

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	Ø	+0.18								
W-1M	Ø	+0.26								
W-1D	Ø	+0.08								
W-2A	Ø	+0.01								
W-2B	Ø	-0.03								
W-3S	Ø	+0.08								
W-3M	Ø	+0.15								
W-3D	Ø	+0.01								
W-4	Ø	-0.19								
W-5S	Ø	+0.10								
W-5M	Ø	+0.04								
W-5D	Ø	-0.02								
W-6	Ø	+0.14								
W-7S	Ø	+0.03								
W-7M	Ø	+0.28								
W-7D	Ø	+0.11								
W-8	Ø	+0.04								
W-9A	Ø	+0.23								
W-9B	Ø	+0.05								
W-10S	Ø	+0.08								
W-10M	Ø	+0.19								
W-10D	Ø	-0.01								
W-11	Ø	+0.09								
W-12S	Ø	+0.25								
W-12M	Ø	+0.01								
W-12D	Ø	-0.03								
W-13	Ø	0.01								
W-14S	Ø	+0.33								
W-14M	Ø	+0.28								
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
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BRADLEY LANDFILL
Gas Probe Readings
Revision 2

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J. Mays
B. Austin
D. Edwards
B. Biskeborn
S. Kilgore
Bradley EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.90
BAROMETER (after): _____

BY: DRAGHN DATE: 12/24/91 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	+0.01								
E-2S	Ø	+0.03								
E-2M	0.5	+0.08								
E-2D	0.5	+0.21								
E-3	Ø	+0.06								
E-4	Ø	+0.04								
E-5S	Ø	+0.09								
E-5M	Ø	+0.13								
E-5D	Ø	+0.02								
E-6	Ø	+0.07								
E-7	Ø	+0.06								
E-8S	Ø	+0.06								
E-8M	Ø	+0.11	9	112	-1.4	25	.81	48.3	23	
E-8D	12	+0.64	10	114	-.78	19	.99	9.4	21.5	
E-9	Ø	+0.09								
E-10	Ø	+0.08								
E-11S	Ø	+0.07								
E-11M	Ø	+0.09								
E-11D	Ø	+0.62								
E-12	Ø	+0.15								
E-13	Ø	0.06								
E-14S	Ø	+0.00								
E-14M	Ø	+0.06								
E-14D	Ø	+0.42								

Comments:

Valley Reclamation
9227 Tujunga Ave.
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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): 29.90

BY: DRAGAN DATE: 12/24/91 START TIME: 2:00 FINISH TIME: 3:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	0	+0.06								
W-1M	0	+0.17								
W-1D	0	+0.39								
W-2A	0	+0.12								
W-2B	0	+0.17								
W-3S	0	+0.10								
W-3M	0	+0.19								
W-3D	0	+0.36								
W-4	0	+0.13								
W-5S	0	+0.06								
W-5M	0	+0.16								
W-5D	0	+0.45								
W-6	0	+0.17								
W-7S	0	+0.07								
W-7M	0	+0.22								
W-7D	0	+0.46								
W-8	0	+0.05								
W-9A	0	+0.09								
W-9B	0	+0.06								
W-10S	0	+0.06								
W-10M	10	+0.62	*							
W-10D	0	+0.07								
W-11	0	+0.12								
W-12S	0	+0.06								
W-12M	0	+0.12								
W-12D	0	+0.38								
W-13	0	+0.09								
W-14S	0	+0.21								
W-14M	0	+0.31								
W-14D	0	+0.41								

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

Well 955 was brought on line to burn and contain the gas

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

BRADLEY LANDFILL
Gas Probe Readings
Revision 3

cc: G. Loughnane
J. Mays
B. Austin
P.Yamamoto
B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.99
BAROMETER (after): 29.91

Y: DRAGAN DATE: 1/2/92 START TIME: 1:00 FINISH TIME: 2:26

ROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
-1	4	+0.88								
-2S	0	+0.71								
	0	-0.12								
	0	+0.41								
	0	+0.08								
-4	0	+0.04								
-5S	0	+0.44								
5M	0	+0.17								
5D	0	-0.37								
6										
7	FLOODED									
8S	0	-0.21								
8M	0	-0.07	9	116	-2	25	1.86	50.3	21.3	0.6
8D	11	+0.32	10	116	-1	18.4	1.1	53.6	20.1	0.6
9	0	+0.29								
10	0	+0.07								
11S	0	+0.12								
11M	0	+0.17								
11D	0	+0.68								
12	0	+0.18								
13	0	+0.16								
14S	0	+0.38								
14M	0	+0.07								
14D	0	+0.53								

nents:

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BRADLEY LANDFILL
Gas Probe Readings
Revision 3

cc: G. Loughnane
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B. Austin
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S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 30.11
BAROMETER (after): 30.12

BY: D. Hansen 1-9-92 DATE: 1/9/92 START TIME: 0835 FINISH TIME: 0950

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	0	0								
W-1M	0	-.02								
W-1D	0	-.1								
W-2A	0	-.01								
W-2B	0	-.04								
W-3S	0	-.01								
W-3M	0	0								
W-3D	0	-.08								
W-4	0	-.01								
W-5S	0	0								
W-5M	0	0								
W-5D	0	-.14								
W-6	0	-.06								
W-7S	0	-.01								
W-7M	0	-.07								
W-7D	0	-.17								
W-8	0	-.03								
W-9A	0	-.01								
W-9B	0	-.04								
W-10S	0	0								
W-10M	0	-.16								
W-10D	0	0								
W-11	0	0								
W-12S	0	0								
W-12M	0	0								
W-12D	0	-.25								
W-13	0	0								
W-14S	0	0								
W-14M	0	0								
W-14D	0	-.14								

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

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BRADLEY LANDFILL
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Revision 3

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B. Austin
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S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 30.12
BAROMETER (after): 30.00

BY: D. Hanson DATE: 1/9/93 START TIME: 1040 FINISH TIME: 1510

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
E-1	Ø	+.01								
E-2S	Ø	+.07								
[illegible]	Ø	+.05								
[illegible]	Ø	+.08								
E-3	Ø	+.07								
E-4	Ø	+.07								
E-5S	Ø	+.01								
E-5M	Ø	+.21								
E-5D	Ø	-.32								
E-6	Ø	+.21								
E-7	Ø	+.09								
E-8S	Ø	+.15								
E-8M	Ø	+.24								
E-8D	17	+.49	SURROUNDING WELLS SHUT OFF							
E-9	Ø	+.13								
E-10	Ø	+.07								
E-11S	Ø	-.07								
E-11M	Ø	+.05								
E-11D	Ø	+.65								
E-12	Ø	+.02								
E-13	Ø	+.03								
E-14S	Ø	+.00								
E-14M	Ø	+.04								
E-14D	Ø	-.05								

Comments:

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(818) 767-6180

BRADLEY LANDFILL
Gas Probe Readings
Revision 3

cc: G. Loughnane
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B. Austin
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B. Biskeborn
S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.84
BAROMETER (after): 29.77

BY: D. Hanson DATE: 1/17/93 START TIME: 1220 FINISH TIME: 1400

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL AIR (cfm)
E-1	13	-.1	101	90	+.2	4.2	.65	51.1	20	
E-2	Ø	+.02								
E-3M	Ø	+.03								
E-3D	Ø	+.51								
E-3	.8	+.13								
E-4	Ø	+.10								
E-5S	Ø	+.06								
E-5M	Ø	+.22								
E-5D	Ø	+.01								
E-6	Ø	+.20								
E-7	Ø	+.22								
E-8S	Ø	+.14								
E-8M	Ø	+.24								
E-8D	16	+.70	Wells	one	off	time				
E-9	Ø	+.19								
E-10	Ø	+.08								
E-11S	Ø	+.13								
E-11M	Ø	+.20								
E-11D	Ø	+1.0								
E-12	Ø	+.16								
E-13	Ø	+.01								
E-14S	Ø	+.05								
E-14M	Ø	+.02								
E-14D	Ø	+.52								

Comments:

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BRADLEY LANDFILL
Gas Probe Readings
Revision 3

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S. Kilgore
EMD Techs

EQUIPMENT USED

Gas Tech, NP-204
Neotronics, PDM 205

BAROMETER (before): 29.89
BAROMETER (after): 29.87

BY: AVES DATE: 1-17-92 START TIME: 940 FINISH TIME: 1040

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (wc)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ (cfm)
W-1S	0	-.04								
W-1M	0	-.08								
W-1D	0	-.14								
W-2A	0	+.8								
W-2B	0	+.09								
W-3S	0	+.05								
W-3M	0	+.07								
W-3D	0	+.11								
W-4	0	+.07								
W-5S	0	+.04								
W-5M	0	+.07								
W-5D	0	+.06								
W-6	0	+.05								
W-7S	0	+.02								
W-7M	0	+.03								
W-7D	0	-.02								
W-8	0	+.03								
W-9A	0	+.03								
W-9B	0	+.02								
W-10S	0	+.02								
W-10M	0	+.16								
W-10D	0	0								
W-11	0	+.03								
W-12S	0	+.02								
W-12M	0	0								
W-12D	0	0								
W-13	0	-.01								
W-14S	0	+.01								
W-14M	0	+.02								
W-14D	0	+.03								

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

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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

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J. Mays
B.Austin
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B.Biskeborn
D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): 30.00
BAROMETRIC (after): 30.00

BY: Wilson DATE: 1/24/92 START TIME: 2:50 (12:30 - 12:45) FINISH TIME: 3:35

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	5	+0.01								
E-2S	Ø	+0.06								
E-2M	Ø	+0.01								
E-2D	Ø	+0.00								
E-3	Ø	+0.03								
E-4	Ø	+0.02								
E-5S	Ø	+0.00								
E-5M	Ø	+0.05								
E-5D	Ø	+0.09								
E-6	Ø	+0.11								
E-7	Ø	+0.23								
E-8S	Ø	+0.09								
E-8M	Ø	+0.14								
E-8D	11	+0.52								
E-9	Ø	+0.18								
E-10	Ø	+0.19								
E-11S	Ø	+0.01								
E-11M	Ø	+0.06								
E-11D	Ø	+0.03								
E-12	Ø	+0.01								
E-13	Ø	+0.00								
E-14S	Ø	+0.09								
E-14M	Ø	+0.02								
E-14D	Ø	+0.13								

COMMENTS:

Valley Reclamation
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

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B.Austin
P.Yamamoto
B.Biskeborn
D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): 30.00
BAROMETRIC (after): 30.00

BY: Wilson DATE: 1/24/92 START TIME: 3:35 FINISH TIME: 4:15

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	+0.27								
W-1M	Ø	+0.08								
W-1D	Ø	+0.01								
W-2A	Ø	+0.019								
W-2B	Ø	[illegible].13								
W-3S	Ø	+0.34								
W-3M	Ø	+0.10								
W-3D	Ø	+0.47								
W-4	Ø	+0.01								
W-5S	Ø	+0.09								
W-5M	Ø	+0.04								
W-5D	Ø	+0.38								
W-6	Ø	+0.09								
W-7S	Ø	+0.06								
W-7M	Ø	+0.15								
W-7D	Ø	+0.42								
W-8	Ø	+0.03								
W-9A	Ø	+0.03								
W-9B	Ø	+0.01								
W-10S	Ø	+0.02								
W-10M	5	+0.67								
W-10D	Ø	+0.11								
W-11	Ø	+0.00								
W-12S	Ø	+0.14								
W-12M	Ø	+0.38								
W-12D	Ø	+0.09								
W-13	Ø	+0.25								
W-14S	Ø	+0.01								
W-14M	Ø	+0.21								
W-14D	Ø	+0.14								

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BRADLEY LANDFILL
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EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): 30.03
BAROMETRIC (after): 30.03

BY: Riel DATE: 1/28/9 START TIME: ~~2:00~~ 2:00 FINISH TIME: 3:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.0	0.12								
W-1M	0.0	0.25								
W-1D	0.0	0.52								
W-2A	0	0.19								
W-2B	10.0	.24								
W-3S	0	0.14								
W-3M	0	0.29								
W-3D	0	0.58								
W-4	0	0.15								
W-5S	0	0.07								
W-5M	0	0.18								
W-5D	0	0.56								
W-6	0	0.15								
W-7S	0	0.06								
W-7M	0	0.21								
W-7D	0	0.52								
W-8	0	0.06								
W-9A	0	0.0[illegible]								
W-9B	0.6	0.08								
W-10S	0	0.02								
W-10M	6.0	0.65								
W-10D	0.7	0.07								
W-11	0	0.02								
W-12S	0	0.01								
W-12M	0	0.06								
W-12D	0	0.78								
W-13	0	0.04								
W-14S	0	0.02								
W-14M	0	0.05								
W-14D	0	0.46								

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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

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D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): 30.03
BAROMETRIC (after): 30.03

BY: C. Wilson DATE: 1/28/92 START TIME: 2:00 FINISH TIME: 3:45

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	Ø	+0.06								
E-2S			Underwater due to sprinkler system							
E-2M										
E-2D										
E-3	Ø	+0.06								
E-4	Ø	+0.05								
E-5S	Ø	+0.18								
E-5M	Ø	+0.05								
E-5D	Ø	-0.03								
E-6	Ø	+0.02								
E-7	Ø	+0.06								
E-8S	Ø	+0.16								
E-8M	Ø	+0.09								
E-8D	Ø	+0.55								
E-9	Ø	+0.10								
E-10	Ø	+0.05								
E-11S	Ø	+0.00								
E-11M	Ø	+0.18								
E-11D	Ø	+0.19								
E-12	Ø	-0.01								
E-13	Ø	-0.02								
E-14S	Ø	-0.14								
E-14M	Ø	+0.09								
E-14D	Ø	+0.01								

COMMENTS:

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EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): [illegible]
BAROMETRIC (after): [illegible]

BY: [illegible] DATE: [illegible] START TIME: [illegible] FINISH TIME: 405

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (*WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0	0.16								
W-1M	0	0.28								
W-1D	[illegible]	0.46								
W-2A	12.0	0.06								
W-2B	[illegible]	0.10								
W-3S	0.2	0.11								
W-3M	[illegible]	0.2[illegible]								
W-3D	[illegible]	[illegible]								
W-4	[illegible]	0.1[illegible]								
W-5S	[illegible]	[illegible]								
W-5M	[illegible]	0.22								
W-5D		0.4[illegible]								
W-6	[illegible]	0.2[illegible]								
W-7S	[illegible]	0.0[illegible]								
W-7M	[illegible]	0.2[illegible]								
W-7D	[illegible]	[illegible]								
W-8	[illegible]	0.0[illegible]								
W-9A	[illegible]	[illegible]								
W-9B	[illegible]	0.05								
W-10S	[illegible]	[illegible]								
W-10M	[illegible]	[illegible]								
W-10D	[illegible]	[illegible]								
W-11	[illegible]	[illegible]								
W-12S	[illegible]	[illegible]								
W-12M	[illegible]	[illegible]								
W-12D	[illegible]	[illegible]								
W-13	[illegible]	[illegible]								
W-14S	[illegible]	[illegible]								
W-[illegible]	[illegible]	[illegible]								
W-[illegible]	[illegible]	[illegible]								

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EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before):_____
BAROMETRIC (after): _____

BY: R Johnson DATE: 7/25/95 START TIME: 13:30 FINISH TIME: 14:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	+0.10								
W-1M	Ø	+0.17								
W-1D	Ø	+0.34								
W-2A	Ø	+0.07								
W-2B	0.4	+0.17								
W-3S	Ø	+0.14								
W-3M	Ø	+0.24								
W-3D	Ø	+0.40								
W-4	Ø	+0.18								
W-5S	Ø	+0.09								
W-5M	Ø	+0.21								
W-5D	Ø	+0.43								
W-6	Ø	+0.19								
W-7S	Ø	+0.11								
W-7M	Ø	+0.26								
W-7D	Ø	+0.43								
W-8	Ø	+0.10								
W-9A	Ø	+0.06								
W-9B	Ø	+0.11								
W-10S	Ø	+0.04								
W-10M	0.2	+0.62								
W-10D	Ø	+0.09								
W-11	Ø	+0.00								
W-12S	Ø	+0.03								
W-12M	Ø	+0.08								
W-12D	Ø	+0.77								
W-13	Ø	+0.04								
W-14S	Ø	+0.02								
W-14M	Ø	+0.05								
W-14D	Ø	+0.44								

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BRADLEY LANDFILL
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S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): 29.80
BAROMETRIC (after): 29.80

BY: R-Johnson DATE: 2/3/02 START TIME: 2:20 FINISH TIME: 3:20

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	12	0.08								
E-2S	0	1.02								
E-2M	0.9	0.70								
E-2D	0	0.15								
E-3	15.0	0.69								
E-4	7.0	0.04								
E-5S	0	0.03								
E-5M	0	0.11								
E-5D	0	0.00								
E-6	0	0.09								
E-7	0	0.20								
E-8S	0	0.53								
E-8M	0	0.18								
E-8D	12.0	0.13								
E-9	0	0.11								
E-10	0	0.07								
E-11S	0	0.07								
E-11M	0	0.03								
E-11D	0	0.68								
E-12	0	0.13								
E-13	0	0.00								
E-14S	0	0.06								
E-14M	0	0.06								
E-14D	0	0.36								

COMMENTS: Both plant and blower were down for approx 7hrs. For frame change and ~~an~~ an extension put on sump 1.

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BRADLEY LANDFILL
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S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): 29.82
BAROMETRIC (after): _____

BY: RS/CW DATE: 2/12/92 START TIME: 13:50 FINISH TIME: 14:28

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0	-0.18								
W-1M	0	-0.24								
W-1D	0	-0.43								
W-2A	0	-0.17								
W-2B	8.0	-0.23								
W-3S	0	0.22								
W-3M	0	0.30								
W-3D	0	-0.50								
W-4	0	-0.27								
W-5S	0	-0.15								
W-5M	0	-0.27								
W-5D	0	0.53								
W-6	0.6	-0.21								
W-7S	0	0.00								
W-7M	0	-0.06								
W-7D	0	-0.35								
W-8	0	0.06								
W-9A	0	-0.07								
W-9B	0	-0.05								
W-10S	0	-0.07								
W-10M	0	-0.74								
W-10D	0	-0.09								
W-11	0	-0.07								
W-12S	0	0.00								
W-12M	0	-0.09								
W-12D	0	-0.84								
W-13	0	-0.01								
W-14S	0	-0.12								
W-14M	0	-0.08								
W-14D	0	-0.54								

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

cc: G.Loughnane
J. Mays
B.Austin
P.Yamamoto
B.Biskeborn
D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): 30.05
BAROMETRIC (after): _____

BY: R. Johnson DATE: 2/17/93 START TIME: 14:00 FINISH TIME: _____

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (*WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	0.12								
W-1M	Ø	0.19								
W-1D	Ø	0.38								
W-2A	Ø	0.06	87		-2.3	15.1	.55	52.7	32.7	*
W-2B	4.0	0.16	42	100	-.4	61	.82	53.7	18.4	*
W-3S	Ø	0.13								
W-3M	Ø	0.21								
W-3D	Ø	0.41								
W-4	Ø	0.18								
W-5S	Ø	0.10								
W-5M	Ø	0.23								
W-5D	Ø	0.43								
W-6	Ø	0.22								
W-7S	Ø	0.13								
W-7M	Ø	0.27								
W-7D	Ø	0.43								
W-8	Ø	0.08								
W-9A	Ø	0.04								
W-9B	0.2	0.07								
W-10S	Ø	0.03	95s	80	+.04	4.4	.96	60.1	11.6	
W-10M	4.0	0.47	94	100	-.2	4.4	.78	43.3	22.4	
W-10D	Ø	0.08								
W-11	Ø	0.01								
W-12S	Ø	0.01								
W-12M	Ø	0.07								
W-12D	Ø	0.59								
W-13	Ø	0.04								
W-14S	Ø	0.01								
W-14M	Ø	0.05								
W-14D	Ø	0.36								

*- Wells are wide open

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S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): _____
BAROMETRIC (after): 30.00

BY: R Johnson DATE: 2/25 START TIME: 2:35 FINISH TIME: 16:45

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	Ø	0.02								
E-2S	Ø	+0.00								
E-2M	1.8	+0.00								
E-2D	Ø	0.00								
E-3	30	+0.00								
E-4	0.3	-0.01								
E-5S	Ø	-0.01								
E-5M	Ø	+0.04								
E-5D	Ø	-0.02								
E-6	Ø	-0.01								
E-7	Ø	-0.02								
E-8S	Ø	+0.02								
E-8M	Ø	-0.03								
E-8D	Ø	+0.00								
E-9	Ø	+0.05								
E-10	Ø	+0.03								
E-11S	Ø	+0.03								
E-11M	Ø	+0.03								
E-11D	Ø	+0.07								
E-12	Ø	+0.07								
E-13	Ø	+0.00								
E-14S	Ø	+0.04								
E-14M	Ø	+0.02								
E-14D	Ø	+0.14								

COMMENTS:

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Revision 4

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J. Mays
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B.Biskeborn
D.Vidal
S.Kilgore
~~EMD Techs~~

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): 30.01
BAROMETRIC (after): _____

BY: RJ/CW DATE: 3/10/92 START TIME: _____ FINISH TIME: 4:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	0.08								
W-1M	Ø	0.15								
W-1D	Ø	0.33								
W-2A	Ø	0.05								
W-2B	Ø	0.16								
W-3S	Ø	0.12								
W-3M	Ø	0.22								
W-3D	Ø	0.46								
W-4	Ø	0.14								
W-5S	Ø	0.05								
W-5M	Ø	0.16								
W-5D	Ø	0.59								
W-6	9.0	0.18	No	Data		Taken				
W-7S	Ø	0.11								
W-7M	Ø	0.32								
W-7D	Ø	0.71								
W-8	Ø	0.10								
W-9A	Ø	0.07								
W-9B	Ø	0.12								
W-10S	Ø	0.05								
W-10M	2.5	0.92	No	Data		Taken				
W-10D	Ø	0.10								
W-11	Ø	0.03								
W-12S	Ø	0.01								
W-12M	Ø	0.09								
W-12D	Ø	1.07								
W-13	Ø	0.04								
W-14S	Ø	0.01								
W-14M	Ø	0.04								
W-14D	Ø	0.69								

* Dropping barometer could be a main factor

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GAS PROBE READINGS
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D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): 30.01
BAROMETRIC (after): _____

BY: C. Wilson / R. Johnson DATE: 3/10/93 START TIME: 1420 FINISH TIME: _____

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0.3	-0.04								
E-2S	Ø	0.02								
E-2M	Ø	0.02								
E-2D	Ø	0.02								
E-3	Ø	0.02								
E-4	Ø	0.00								
E-5S	Ø	-0.01								
E-5M	Ø	-0.01								
E-5D	Ø	0.02								
E-6	Ø	+0.01								
E-7	Ø	0.03								
E-8S	Ø	-0.00								
E-8M	Ø	0.00								
E-8D	Ø	-0.01								
E-9	Ø	0.02								
E-10	Ø	-0.02								
E-11S	Ø	-0.03								
E-11M	Ø	-0.02								
E-11D	Ø	0.02								
E-12	Ø	0.07								
E-13	Ø	0.02								
E-14S	Ø	0.05								
E-14M	Ø	0.00								
E-14D	Ø	0.00								

24

COMMENTS:

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Sun Valley, CA 91352
(818) 767-6180

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

cc: G.Loughnane
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P.Yamamoto
B.Biskeborn
D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): 29.90
BAROMETRIC (after): 29.90

BY: C.Wilson DATE: 3/17/95 START TIME: 2:00 FINISH TIME: 3:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	Ø	-0.05								
E-2S	Ø	+0.02								
E-2M	Ø	+0.06								
E-2D	Ø	+0.02								
E-3	Ø	+0.01								
E-4	Ø	+0.06								
E-5S	Ø	-0.00								
E-5M	Ø	-0.03								
E-5D	Ø	+0.01								
E-6	Ø	+0.03								
E-7	Ø	+0.02								
E-8S	Ø	+0.01								
E-8M	Ø	+0.05								
E-8D	Ø	+0.04								
E-9	Ø	-0.00								
E-10	Ø	+0.03								
E-11S	Ø	-0.01								
E-11M	Ø	-0.01								
E-11D	Ø	+0.05								
E-12	Ø	+0.06								
E-13	Ø	+0.02								
E-14S	Ø	+0.00								
E-14M	Ø	+0.08								
E-14D	Ø	+0.19								

COMMENTS:

Valley Reclamation
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Sun Valley, CA 91352
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

cc: G.Loughnane
J. Mays
B.Austin
P.Yamamoto
B.Biskeborn
D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): 29.90
BAROMETRIC (after): 29.90

BY: C. Wilson DATE: 3/17 START TIME: 2:00 FINISH TIME: 3:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	+0.15								
W-1M	Ø	+0.02								
W-1D	Ø	+0.03								
W-2A	Ø	+0.00								
W-2B	Ø	+0.00								
W-3S	Ø	+0.00								
W-3M	Ø	+0.15								
W-3D	Ø	+0.09								
W-4	Ø	+0.16								
W-5S	Ø	+0.40								
W-5M	Ø	+0.16								
W-5D	Ø	0.09								
W-6	Ø	+0.19								
W-7S	Ø	+0.08								
W-7M	Ø	+0.22								
W-7D	Ø	+0.42								
W-8	Ø	+0.08								
W-9A	Ø	+0.00								
W-9B	Ø	+0.02								
W-10S	Ø	+0.04								
W-10M	Ø	+0.63								
W-10D	Ø	+0.07								
W-11	Ø	+0.02								
W-12S	Ø	+0.00								
W-12M	Ø	+0.09								
W-12D	Ø	+0.70								
W-13	Ø	+0.65								
W-14S	Ø	+0.13								
W-14M	Ø	+0.02								
W-14D	Ø	+0.10								

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S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): _____
BAROMETRIC (after): 30.01

BY: RJ / C.W. DATE: 3/24/92 START TIME: 14:00 FINISH TIME: 16:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0	0.00								
E-2S	0	0.00								
E-2M	0	0.00								
E-2D	10.0	0.00								
E-3	0	0.00								
E-4	0	0.02								
E-5S	0	0.01								
E-5M	0	0.01								
E-5D	0	0.00								
E-6	0	0.00								
E-7	0	-0.02								
E-8S	0	0.08								
E-8M	0	0.05								
E-8D	0	0.02								
E-9	0	0.02								
E-10	0	0.00								
E-11S	0	0.12								
E-11M	0	0.01								
E-11D	0	0.06								
E-12	0	0.15								
E-13	0	0.01								
E-14S	0	0.02								
E-14M	0	0.02								
E-14D	0	0.01								

COMMENTS:

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EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): ____
BAROMETRIC (after): 30.01

BY: CW & RJ DATE: 3/24/92 START TIME: 16:00 FINISH TIME: 17:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	+0.19								
W-1M	Ø	+0.33								
W-1D	Ø	+0.61								
W-2A	Ø	+0.16								
W-2B	0.2	+0.31								
W-3S	0.2	+0.36								
W-3M	Ø	+0.44								
W-3D	Ø	+0.76								
W-4	Ø	+0.36								
W-5S	Ø	+0.14								
W-5M	Ø	+0.28								
W-5D	Ø	+0.79								
W-6	8	+0.24								
W-7S	Ø	+0.14								
W-7M	Ø	+0.39								
W-7D	2	+0.81								
W-8	Ø	+0.18								
W-9A	Ø	+0.06								
W-9B	1	+0.15								
W-10S	Ø	+0.03								
W-10M	Ø	0.99								
W-10D	1	+0.11								
W-11	Ø	+0.02								
W-12S	Ø	+0.02								
W-12M	Ø	+0.11								
W-12D	Ø	+1.15								
W-13	Ø	+0.75								
W-14S	Ø	+0.01								
W-14M	Ø	+0.01								
W-14D	Ø	+0.02								

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EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): 29.92
BAROMETRIC (after): 29.92

BY: U. Wilson DATE: 3/31/92 START TIME: ~~3:00~~ 2:40 FINISH TIME: 3:45

	PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
	W-1S	Ø	+0.21								
	W-1M	Ø	+0.33								
	W-1D	Ø	+0.09								
	W-2A	Ø	+0.02								
	W-2B	Ø	+0.11								
	W-3S	Ø	+0.08								
	W-3M	Ø	+0.02								
	W-3D	Ø	-0.00								
	W-4	Ø	+0.11								
	W-5S	Ø	+0.11								
	W-5M	Ø	+0.04								
	W-5D	Ø	+0.13								
	W-6	Ø	+0.21								
1.0% →	W-7S	1.0	+0.10								
	W-7M	Ø	+0.28								
5.0% →	W-7D	5.0	+0.47								
	W-8	Ø	+0.09								
	W-9A	Ø	+0.02								
	W-9B	Ø	+0.03								
	W-10S	Ø	+0.10								
	W-10M	Ø	+0.63								
	W-10D	Ø	+0.00								
	W-11			Not accessible!							
	W-12S	Ø	+0.05								
	W-12M	Ø	+0.00								
	W-12D	Ø	+0.09								
	W-13	Ø	+0.19								
	W-14S	Ø	+0.96								
	W-14M	Ø	+0.02								
	W-14D	Ø	+0.04								

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D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): _____
BAROMETRIC (after): 29.92

BY: R Johnson DATE: 3/3/92 START TIME: 14:00 FINISH TIME: 15:40

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	8	-0.02								
E-2S	Ø	0.00								
E-2M	Ø	0.00								
E-2D	Ø	-0.01								
E-3	Ø	+0.01								
E-4	Ø	0.00								
E-5S	Ø	0.00								
E-5M	Ø	0.00								
E-5D	Ø	0.00								
E-6	03	0.00								
E-7	Ø	0.00								
E-8S	Ø	0.00								
E-8M	Ø	0.00								
E-8D	Ø	0.00								
E-9	Ø	+0.01								
E-10	Ø	0.00								
E-11S	Ø	+0.08								
E-11M	Ø	0.00								
E-11D	Ø	0.00								
E-12	Ø	+0.11								
E-13	Ø	+0.01								
E-14S	Ø	+0.05								
E-14M	Ø	0.00								
E-14D	Ø	+0.09								

COMMENTS:

2166-05418

AIR EMISSIONS MONITORING REPORT

SECOND QUARTER 1992

2166-05418

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVA sweep

OPERATOR: C. Wilson

DATE: 4/24/92 **Start** 1:00 **Finish** 4:30

Model # Century 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	43 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)
9	8		
95	95		
900	870		

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	9	8	
2.	95	93	
	900	870	

Instrument calibrated to City gas

COMMENTS:
1:30 1.2 mph
2:00 3.6 mph
2:30 0.8 mph
3:00 4.9 mph
3:30 6.3 mph
4:00 2.8 mph
4:30 1.3 mph

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

July 30, 1992

Mr. Jay Chen
South Coast Air Quality Management District
21865 East Copley Drive
Diamond Bar, CA 91765-4182

Subject: **SCAQMD Rule 1150.1 Second Quarter 1992 Monitoring Report**
Bradley Landfill

Dear Mr. Chen:

Attached is Valley Reclamation Company's (VRC's) Second Quarter 1150.1 Monitoring Report for 1992. This report covers Rule 1150.1 ambient air monitoring, landfill gas samples, integrated surface samples, instantaneous surface monitoring (OVA sweeps), and probe results. This report shows that the Landfill is in compliance with SCAQMD Rule 1150.1.

Please call if you have any questions.

Sincerely,

Cozetta Wilson

Cozetta Wilson
Environmental Technician

Attachment

cc: Mike Mckee
Deanna Nichols, w/o attachment

LANDFILL AIR EMISSIONS MONITORING

REPORT

BRADLEY LANDFILL

SECOND QUARTER 1992

JUNE 1992

Prepared For:

Valley Reclamation Company
9188 Glenoaks Boulevard
Sun Valley, California 91352

Prepared by:

Valley Reclamation Company
9188 Glenoaks Boulevard
Sun Valley, California 91352

and

Waste Management of North America
18500 Von Karmen Avenue, Suite 900
Irvine, California 92715

EXECUTIVE SUMMARY

Landfill Air Emissions Monitoring results at the Bradley Landfill and Recycling Center for the second quarter of 1992 (April, May and June, 1992) 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 (SCAQMD, 1985). The data indicates that Valley Reclamation Company, owner/operator of the Bradley Landfill, is in compliance with Rule 1150.1.

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1.0 INTRODUCTION

1.1 Purpose and Scope

This report presents the results of landfill air emissions monitoring performed at Bradley Landfill and Recycling Center during the second quarter of 1992 (April, May, and June 1992) by Waste Management of North America (WMNA) personnel. Monitoring was performed in accordance with WMNA's Landfill Gas Migration Plan for the Bradley Sanitary Landfill and Recycling Center (WMI, 1992), and South Coast Air Quality Management District's (SCAQMD, 1985) "*Guidelines for Implementation of Rule 1150.1*". 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.

1.2 Site Description and Background

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 Valley Reclamation Company (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 in Sump 6, at Bradley West Extention. An active landfill gas (LFG) migration/emissions control system has been operational at the site since 1982. This control system allows the collection of over 2 million cubic feet of LFG per day. During normal operating periods, the collected LFG is processed and piped to Pacific Energy. During periods of 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 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 performed during the second quarter of 1992, during periods in which climatic conditions were within the limits required by Rule 1150.1.

2.1 INSTANTANEOUS LANDFILL SURFACE MONITORING

The landfill disposal area was monitored each month for total organic compounds 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. Portions of the landfill could not be monitored due to activities including dirt stock piling, heavy truck traffic, landfill covering on active face, and steep landfill slopes. The monthly site maps showing the instanteous surface sweep locations are shown in Appendix A.

Any detections of total organic compounds in excess of 50 parts per million (ppm) are marked on the grid site map (Appendix A) giving location and concentration. Any total organic compounds detections greater than or equal to 500 ppm 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 in Appendix A include weather conditions, instrument operation, instrument calibration, and field audits on instrument accuracy.

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; this data is summarized in Appendix B. Ambient air sampler locations, shown in Appendix C, were determined based on information generated 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 samples were collected 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 checklist, calibration and setup of each of the samplers, as well as the barometric pressure, are presented in Appendix D.

Following collection, the air samples were transported to the Atmospheric Assessment Associates Inc. (AtmAA) 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 second 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. 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 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 diagrammed in graphs representing the average wind speed (in Appendix B). Sampling was performed using a backpack-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 checklist, calibration and setup of each of the samplers, as well as the barometric pressure, are presented in Appendix D.

Following collection, the air samples were transported to AtmAA 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 landfill gas (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. Gas probe locations and weekly probe results are listed in Appendix F.

Monthly gas samples were collected from selected perimeter probes Prior to sampling, each probe was evacuated and monitored using the Gastech until the total organic compound concentrations 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 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 April, May, and June 1992. Grid maps showing the landfill areas surveyed and locations of notable emissions (i.e., greater than 50 ppm total organic compounds as methane) are included in Appendix A. There were no detections of total organic compounds as methane above 500 ppm noted.

3.2 INTEGRATED SURFACE SAMPLING

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

April	16 ISS grids
May	17 ISS grids
June	17 ISS grids

Each ISS was tested in the field for total organic compounds 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 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-hour and less-than-24-hour samples are shown in Tables 2 and 3, 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 4 summarizes the sample results for this quarter.

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 collected in April, May, and June 1992 are summarized in Table 5. The complete laboratory results are located in Appendix E.

3.5 PERIMETER PROBE SAMPLING

Perimeter probes are field tested weekly for total organic compounds as methane. The results of these measurements are found in Appendix F. One perimeter probe gas sample was collected analyzed each month per Section 7.0 of the Guidelines for Rule 1150.1. Each sample was analyzed for toxic components, methane and TGNMO at Atm.AA Inc. laboratory. The perimeter probes that were sampled and methane concentration for each month are listed below.

MONTH	PROBE #	Methane %
April	W-7D	4.03
May	W-2B	2.52
June	E-11S	18.4

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 these readings 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

A co-located sample was obtained at the downwind less-than-24-hour sampler location. No significant differences between the halogenated organic compounds were noticed. Analytical results are included in Appendix E and are summarized in Table 4.

TABLE 1

INTEGRATED SURFACE SAMPLES – ANAYLTICAL RESULTS

Compounds	Detection limits	APRIL VR168 Grid #13	APRIL VR172 Grid #14	MAY VR167 Grid #14	MAY VR169 Grid #10	JUNE VR122 Grid #9	JUNE VR172 Grid #7
Total methane in ppm	1.0ppm	2.62 ppm	2.35 ppm	2.67 ppm	2.19 ppm	3.39 ppm	4.22 ppm
TGNMO in ppm	1.0ppm	4.83 ppm	4.90 ppm	2.95 ppm	2.63 ppm	3.10 ppm	2.84 ppm
		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	1.15	1.83	ND	ND	ND	ND
Benzene	0.1	1.31	1.34	2.32	2.32	1.25	1.48
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	0.10	ND	ND
Dichloromethane	0.2	2.68	4.15	2.93	1.38	0.86	0.97
Perchloroethene	0.1	0.12	0.26	0.41	0.44	0.18	0.24
Carbon Tetrachloride	0.06	0.11	0.10	0.11	0.11	0.10	0.098
Toluene	0.1	2.84	3.52	6.30	4.65	2.62	3.03
1,1,1–Trichloroethane	0.06	4.04	4.77	6.29	5.92	2.43	2.00
Trichloroethene	0.06	0.10	0.12	0.12	0.061	0.072	0.073
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p–Xylenes	0.4	0.91	1.09	3.16	1.98	1.24	2.21
o–Xylenes	0.2	0.43	0.44	1.58	1.16	1.23	1.32

NOTES
ND = not detected

TABLE 2. 24 HOUR AMBIENT AIR SAMPLES – ANAYLTICAL RESULTS

Concentrations are reported as ppbv unless otherwise noted

Compounds	Detection limits	APRIL Upwind VR181	APRIL Downwind VR183	MAY Upwind VR189	MAY Downwind VR191	JUNE Upwind VR203	JUNE Downwind VR201
Total methane in ppm	1.0ppm	3.35ppm	2.02 ppm	3.72ppm	2.01ppm	4.39ppm	2.32ppm
TGNMO in ppm	1.0ppm	5.90ppm	5.80 ppm	3.50ppm	3.31ppm	3.99ppm	3.41ppm
		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	1.63	1.30	1.68	1.62	2.83	3.32
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	0.47	0.62	0.48	0.88	0.63	0.55
Perchloroethene	0.1	0.23	0.19	0.27	0.32	0.34	0.26
Carbon Tetrachloride	0.06	0.11	0.11	0.11	0.10	0.12	0.11
Toluene	0.1	3.64	3.18	3.26	3.70	6.42	6.84
1,1,1–Trichloroethane	0.06	2.57	2.69	3.20	3.18	3.68	2.31
Trichloroethene	0.06	0.072	0.098	ND	ND	0.091	0.078
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p–Xylenes	0.4	1.08	0.80	1.39	1.30	2.77	3.77
o–Xylenes	0.2	0.60	0.52	0.78	0.72	1.84	1.90

NOTES
ND = not detected

TABLE 3 LESS THAN 24 HOUR AMBIENT AIR SAMPLES – ANAYLTICAL RESULTS

Compounds	Detection limits	APRIL Upwind VR182	APRIL Downwind VR180	MAY Upwind VR192	MAY Downwind VR190	JUNE Upwind VR202	JUNE Downwind VR204
Total methane in ppm	1.0ppm	1.97ppm	2.97 ppm	2.14ppm	3.40ppm	2.24ppm	6.15ppm
TGNMO in ppm	1.0ppm	5.53ppm	4.67 ppm	3.30ppm	3.06ppm	3.20ppm	3.93ppm
		(ppb)		(ppb)		(ppb)	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	1.54	1.88	1.18	1.22	3.04	3.36
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	0.33	0.35	0.55	0.34	0.59	0.61
Perchloroethene	0.1	0.13	0.17	0.20	0.22	0.25	0.27
Carbon Tetrachloride	0.06	0.10	0.11	0.11	0.11	0.12	0.11
Toluene	0.1	3.40	3.88	2.29	2.28	6.68	7.04
1,1,1–Trichloroethane	0.06	0.97	0.99	1.88	1.68	1.98	2.37
Trichloroethene	0.06	0.079	0.099	0.061	0.065	ND	0.077
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p–Xylenes	0.4	1.00	1.44	0.88	0.90	3.62	3.81
o–Xylenes	0.2	0.60	0.66	0.46	0.53	1.76	1.66

NOTES
ND = not detected

TABLE 4. LESS THAN 24 HOUR CO-LOCATED AMBIENT AIR SAMPLES – ANAYLTICAL RESULTS

Compounds	Detection limits	APRIL Co-located VR79	APRIL Downwind VR180	MAY Co-located VR188	MAY Downwind VR190	JUNE Co-located VR202	JUNE Downwind VR204
Total methane in ppm	1.0ppm	3.31 ppm	2.97 ppm	3.38ppm	3.40ppm	5.95ppm	6.15ppm
TGNMO in ppm	1.0ppm	3.44 ppm	4.67 ppm	3.29ppm	3.06ppm	3.62ppm	3.93ppm
		ppb		ppb		ppb	
Acetonitrile	0.8	ND	ND	ND	ND	ND	ND
Benzene	0.1	1.87	1.88	1.26	1.22	3.32	3.36
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	0.45	0.35	0.31	0.34	0.55	0.61
Perchloroethene	0.1	0.24	0.17	0.17	0.22	0.26	0.27
Carbon Tetrachloride	0.06	0.11	0.11	0.11	0.11	0.11	0.11
Toluene	0.1	4.16	3.88	2.48	2.28	6.84	7.04
1,1,1-Trichloroethane	0.06	1.08	0.99	1.87	1.68	2.31	2.37
Trichloroethene	0.06	0.13	0.099	ND	0.065	0.078	0.077
Chloroform	0.08	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.1	ND	ND	ND	ND	ND	ND
m+p-Xylenes	0.4	1.42	1.44	0.98	0.90	3.77	3.81
o-Xylenes	0.2	0.66	0.66	0.60	0.53	1.90	1.66

NOTES:
ND = not Detected

TABLE 5

Internal Gas Samples – Analytical Results

Component	Detection limits	April VR095	May VR175	June VR107
	(ppm V/V)			
Hydrogen Sulfide	1.0	41.4		45.3
TGNMO in ppm	0.5	5470	6350	4470
	(percentage V/V)			
Methane	0.2%	39.4	41.5	39.0
Carbon Dioxide	0.2%	37.0	39.4	37.7
Oxygen	0.2%	2.70	1.00	1.91
Nitrogen	0.2%	21.6	17.0	20.9
	(ppb V/V)			
Acetonitrile	5.0	11.7	18.4	13.7
Benzene	50	2220	2160	2070
Benzyl Chloride	100	ND	ND	ND
Chlorobenzene	50	2650	1570	876
Dichlorobenzene	100	376	607	204
1,1–Dichloroethane	100	2820	4030	3440
1,2–Dichloroethane	20	382	336	384
1,1–Dichloroethene	30	376	418	14.3
Dichloromethane	15	5530	8540	6330
Perchloroethene	2	14100	12300	11100
Carbon Tetrachloride	1	ND	ND	ND
Toluene	75	85800	72300	47200
1,1,1–Trichloroethane	5	60.8	404	169
Trichloroethene	4	5560	4700	5180
Chloroform	2	ND	ND	4.59
Vinyl Chloride	20	2490	3690	1890
m+p–Xylenes	100	31400	28200	20900
o–Xylenes	60	78000	8280	5840

NOTES:
ND = not detected
ppm v/v= parts per million in volume of air
ppb v/v= parts per billion in volume of air
percentage v/v= percentage in volume of air
TGNMO= Total Gaseous Non Methane Organics

4.0 REFERENCES CITED

South Coast Air Quality Management District (SCAQMD), 1985, Guidelines for Implementing Rule 1150.1, October 1985.

WMNA Landfill Gas Migration Plan for the Bradley Sanitary Landfill and Recycling Center, Revision No. 2, February, 1992.

APPENDIX A

INSTANTANEOUS SURFACE SWEEP REPORT AND SITE MAP

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: MAY 8, 1992

TO: JOHN MAYS

FROM: COZETTA WILSON

SUBJECT: GAS EMISSION SURVEY CARRIED OUT ON BRADLEY WEST, BRADLEY WEST EXTENSION AND BRADLEY EAST LANDFILLS ON APRIL 21ST AND 24TH, 1992

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 anemometer 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: 1:3O - 4:30 April 24, 1992

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: 9:10 - 10:20 April 21, 1992

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: 1:30 - 4:30 April 24, 1992

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: 9:10 - 10:20 April 21, 1992

There 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

9:10 - 10:30

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVA

OPERATOR: C. Wilson

DATE: ~~3-21-92~~ 4.21-92 **Start** 8:20 **Finish** 10:35

Model # 40501
Serial # Century 128

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	1 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)
9		100%	1
95		" "	1
900		" "	1

AUDIT

	Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	9			
	93			
2.	870			

Instrument calibrated to City gas

COMMENTS: 9:10 1.2 mph
9:40 .1 mph
10:20 3.6 mph

PARTIALLY SCANNED
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A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: JUNE 3, 1992

TO: JOHN MAYS

FROM: COZETTA WILSON

SUBJECT: GAS EMISSION SURVEY CARRIED OUT ON BRADLEY WEST, BRADLEY WEST EXTENSION AND BRADLEY EAST LANDFILLS ON MAY 4TH AND 19TH, 1992

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 anemometer 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: 1:15 - 3:45 May 4, 1992

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: 9:48 - 12:12 May 19, 1992

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: 1:15 - 3:45 May 4, 1992

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: 9:48 - 12:12 May 19, 1992

There 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: 2.34

PURPOSE: OVA

OPERATOR: C. Wilson

DATE: 5/4/92 **Start** 1:00 **Finish** 4:00

Model # 40501
Serial # Century

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery Test	Pass/Fail	Perform Three Point Internal Calibration Before Use.
Reading Following Ignition	3.4 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)
9	100%		3.4
95	100%		3.4
900	100%		3.4

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 7:5 87			
2. 850			

Instrument calibrated to City gas

COMMENTS:
1:15 .7 mph
1:45 3.2 mph
2:15 1.7 mph
3:45 4.1 mph
2:15 1.8 mph
2:45 2.2 mph
3:15 3.6 mph
3:45 1.9 mph

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OVA sweep

OPERATOR: C. Wilson

DATE: 5/19/92 **Start** 9:27 **Finish** 9:35

Model # Centum OVA 128
Serial # 40500

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	3.7 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)
9	9		
95	95		
900	900		

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 12:20	8		
	87		
2. ↓	860		

Instrument calibrated to CH4 gas

COMMENTS:

Time	
9:48	5.3 mph
10:12	1.8
10:47	2.4
11:13	4.9
12:12	.93

PARTIALLY SCANNED
OVERSIZE ITEM(S)

See document # 2199227
for partially scanned image(s).

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(415) 536-2000

A Waste Management Company

SOUTHERN CALIFORNIA EMD
INTERCOMPANY MEMORANDUM

DATE: JUNE 24, 1992

TO: JOHN MAYS

FROM: COZETTA WILSON CW

SUBJECT: **GAS EMISSION SURVEY CARRIED OUT ON BRADLEY WEST, BRADLEY WEST EXTENSION AND BRADLEY EAST LANDFILLS ON JUNE 16 AND 17, 1992**

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, performance checklist 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 - 10:15 June 17, 1992

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

BRADLEY WEST EXTENSION

Time of Sweep: 8:00 - 12:00 June 16, 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: 9:00 - 10:15 June 17, 1992

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: 8:00 - 12:00 June 16, 1992

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

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: Bradley Landfill

PURPOSE: OVA sweep

OPERATOR: C. Wilson

DATE: 6/17/92 **Start** 9:00 **Finish** 10:15

Model # Century OVA 128
Serial # 405011

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	40 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)
9		100%	
95		100%	
500		100%	

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	7		
2.	83		
	430		

Instrument calibrated to CH4 gas

COMMENTS:

Time	Wind speed
9:00	5.012
10:00	4.382

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: OUA Sweep

OPERATOR: CCC

DATE: 6/16/92 **Start** 800 **Finish** 1200

Model # Century 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)
9			
95			
500			

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1.	9.5		
	90		
2.	450		

Instrument calibrated to Cly gas

COMMENTS:

~~Wind~~ Time CW 6/16/92	Wind
8:00	5.93
9:00	4.982
10:00	5.521
11:00	6.008
12:00	5.983

PARTIALLY SCANNED OVERSIZE ITEM(S)

See document # 2199227
for partially scanned image(s).

12 OF 16

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APPENDIX B

METEOROLOGICAL DATA

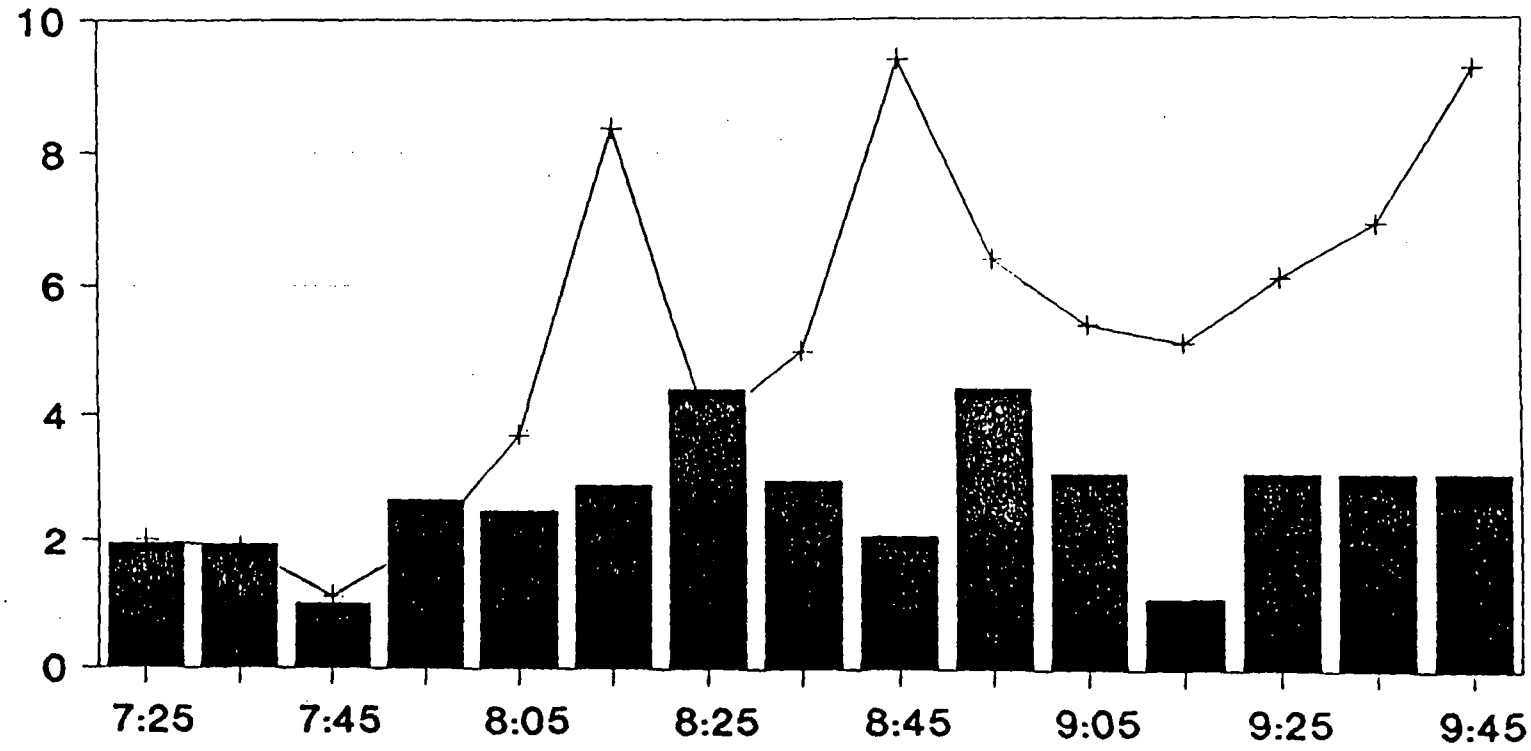
METEOROLOGICAL DATA
AMBIENT AIR

DATE	TIME	AVG WIND SPEED	AVG WIND DIR	MAX WIND SPEED
4-15	1000	2.79	234.8	8.2
4-15	1030	4.138	232.8	8.62
4-15	1100	4.18	233.2	10.41
4-15	1130	5.132	212	9.88
4-15	1200	4.738	231	10.41
4-15	1230	4.175	243.3	10.41
4-15	1300	6.129	196.1	12.93
4-15	1330	6.528	195.6	12.51
4-15	1400	7.89	139.7	16.61
4-15	1430	8.31	193	14.93
4-15	1500	7.727	197.2	15.01
4-15	1530	7.39	194.5	17.3
4-15	1600	8.41	197.4	11.7
4-15	1630	7.003	193.5	7.86
4-15	1700	7.47	201.9	10.36
4-15	1730	7.862	191	14.01
4-15	1800	6.337	210.3	9.6
4-15	1830	7.492	208.5	18.4
4-15	1900	7.1	143.7	12.3
4-15	1930	4.654	131	9.46
4-15	2000	2.937	113.8	6.414
4-15	2030	2.225	78.5	4.626
4-15	2100	4.353	145.2	6.729
4-15	2130	2.406	117.6	5.678
4-15	2200	2.308	113.4	5.467
4-15	2230	1.945	73.4	4.206
4-15	2300	2.588	30.01	6.098
4-15	2330	2.334	20.98	4.942

METEOROLOGICAL DATA
AMBIENT AIR

DATE	TIME	AVG WIND SPEED	AVG WIND DIR	MAX WIND SPEED
4-16	0	3.059	19.68	5.257
4-16	30	2.451	16.48	4.416
4-16	100	2.985	20.78	4.731
4-16	130	3.412	26.51	4.836
4-16	200	3.336	23.17	5.362
4-16	230	3.131	17.13	5.362
4-16	300	2.729	20.24	4.311
4-16	330	2.516	16.47	4.206
4-16	400	2.474	14.75	4.942
4-16	430	2.773	25.56	5.993
4-16	500	1.31	29.43	3.575
4-16	530	2.013	5.047	3.47
4-16	600	2.68	13.7	4.1
4-16	630	2.793	18.66	4.311
4-16	700	2.398	11.82	3.47
4-16	730	1.556	8.14	2.839
4-16	800	2.805	193.5	8.62
4-16	830	3.978	162	7.36
4-16	900	3.731	170.8	7.89
4-16	930	4.246	184.1	9.25
4-16	1000	5.049	178.4	9.88
4-16	1000	5.049	178.4	9.88

INTEGRATEDSURFACE SAMPLING
APRIL 15, 1992

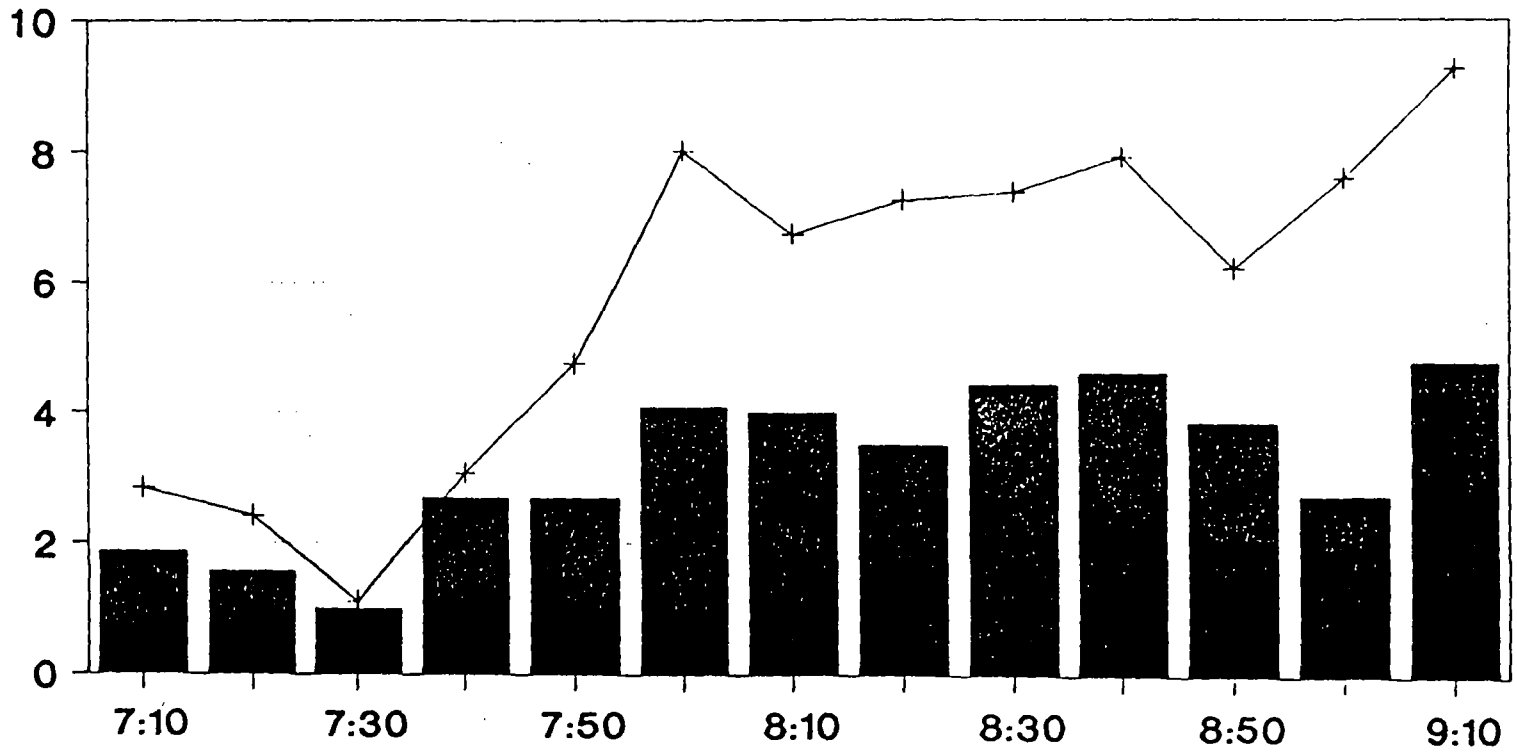


LEGEND

Mean wind speed

Max. wind speed

INTEGRATED SURFACE SAMPLING
APRIL 16,1992



LEGEND

Mean wind speed — Max. wind speed

METEOROLOGICAL DATA
AMBIENT AIR

DATE	TIME	AVG WIND SPEED	AVG WIND DIR	MAX WIND SPEED
4-16	0	3.059	19.68	5.257
4-16	30	2.451	16.48	4.416
4-16	100	2.985	20.78	4.731
4-16	130	3.412	26.51	4.836
4-16	200	3.336	23.17	5.362
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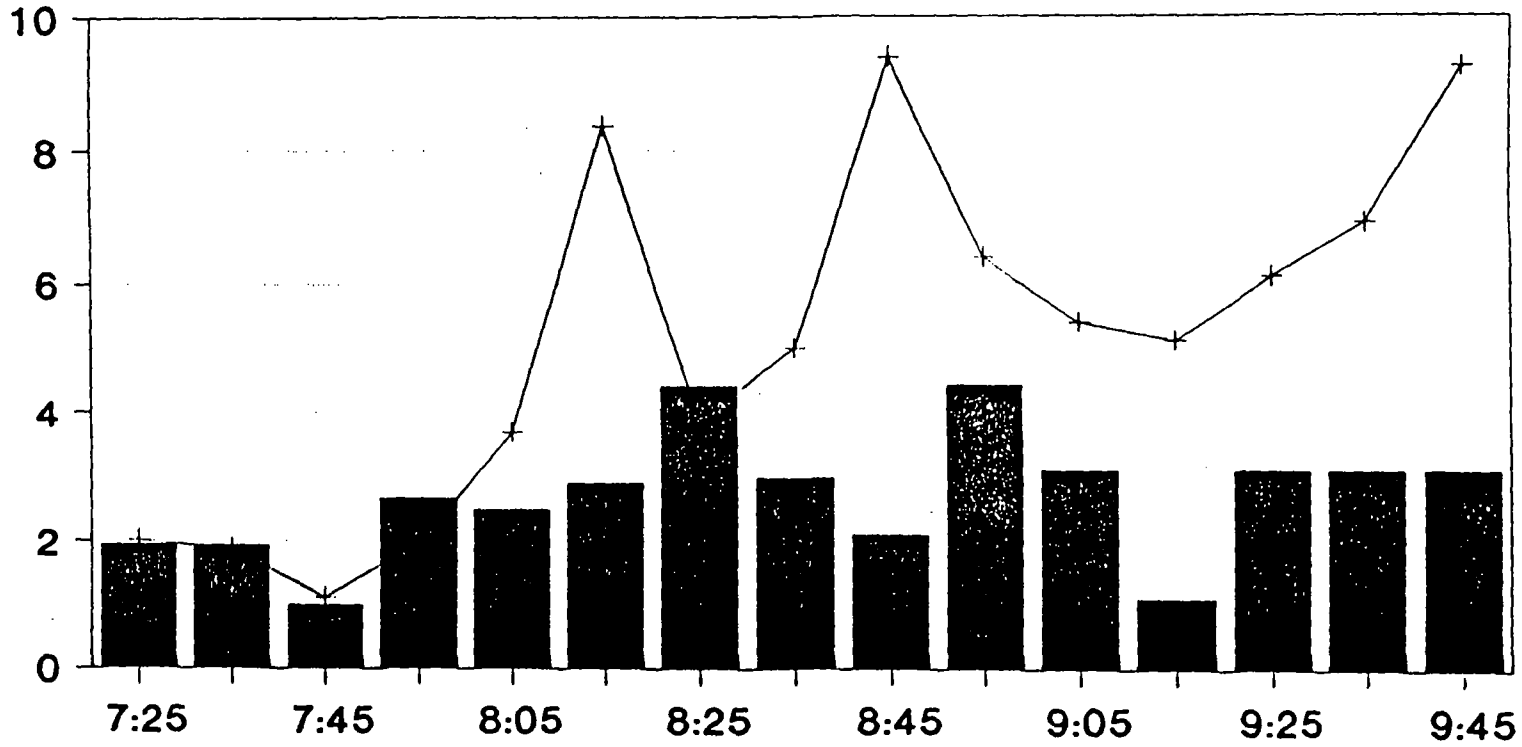
4-16	300	2.729	20.24	4.311
4-16	330	2.516	16.47	4.206
4-16	400	2.474	14.75	4.942
4-16	430	2.773	25.56	5.993
4-16	500	1.31	29.43	3.575
4-16	530	2.013	5.047	3.47
4-16	600	2.68	13.7	4.1
4-16	630	2.793	18.66	4.311
4-16	700	2.398	11.82	3.47
4-16	730	1.556	8.14	2.839
4-16	800	2.805	193.5	8.62
4-16	830	3.978	162	7.36
4-16	900	3.731	170.8	7.89
4-16	930	4.246	184.1	9.25
4-16	1000	5.049	178.4	9.88
4-16	1000	5.049	178.4	9.88

INTEGRATEDSURFACE SAMPLING
APRIL 15, 1992

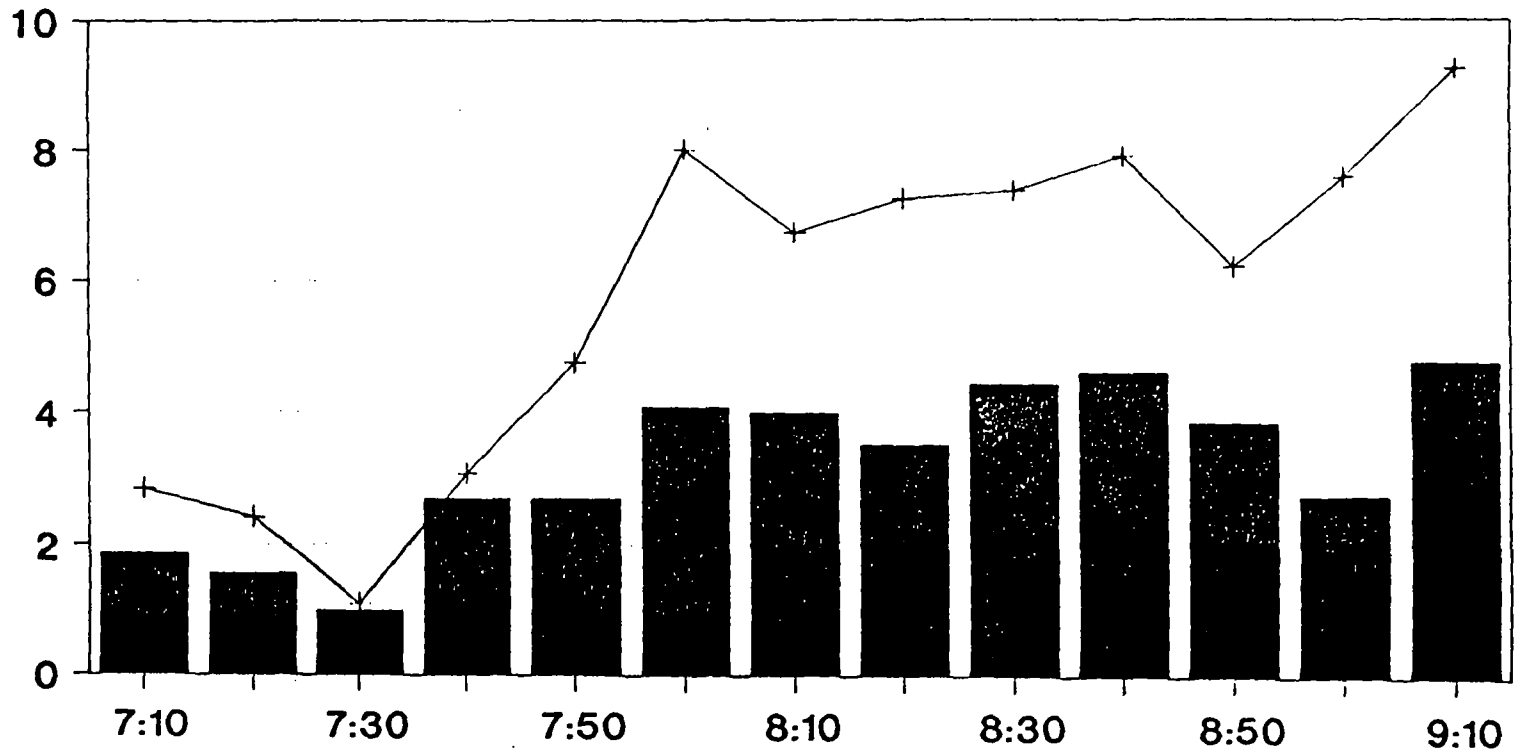


LEGEND

Mean wind speed

Max. wind speed

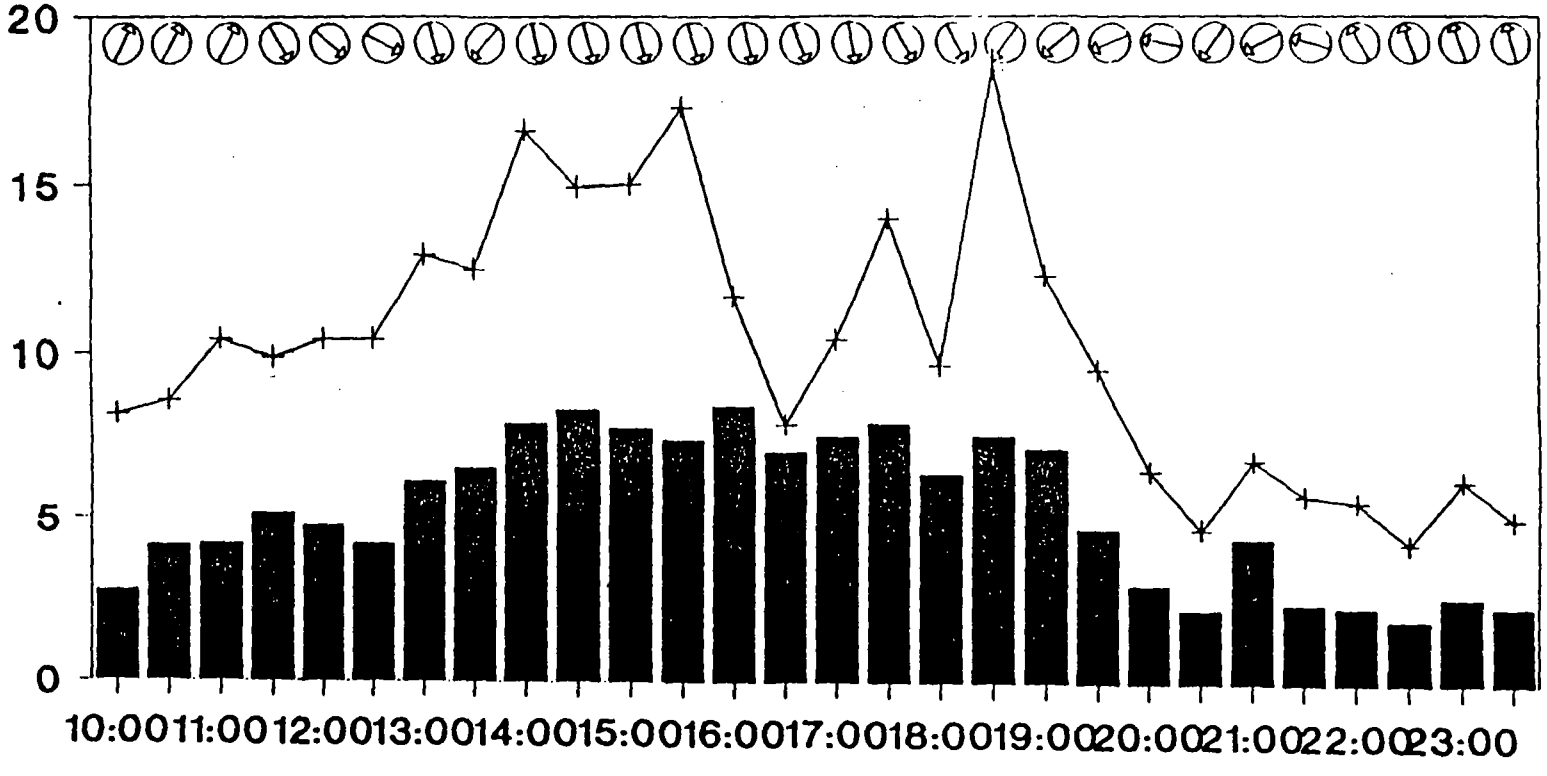
INTEGRATED SURFACE SAMPLING
APRIL 16,1992



LEGEND

Mean wind speed — Max. wind speed

AMBIENT AIR DATA
APRIL 1992

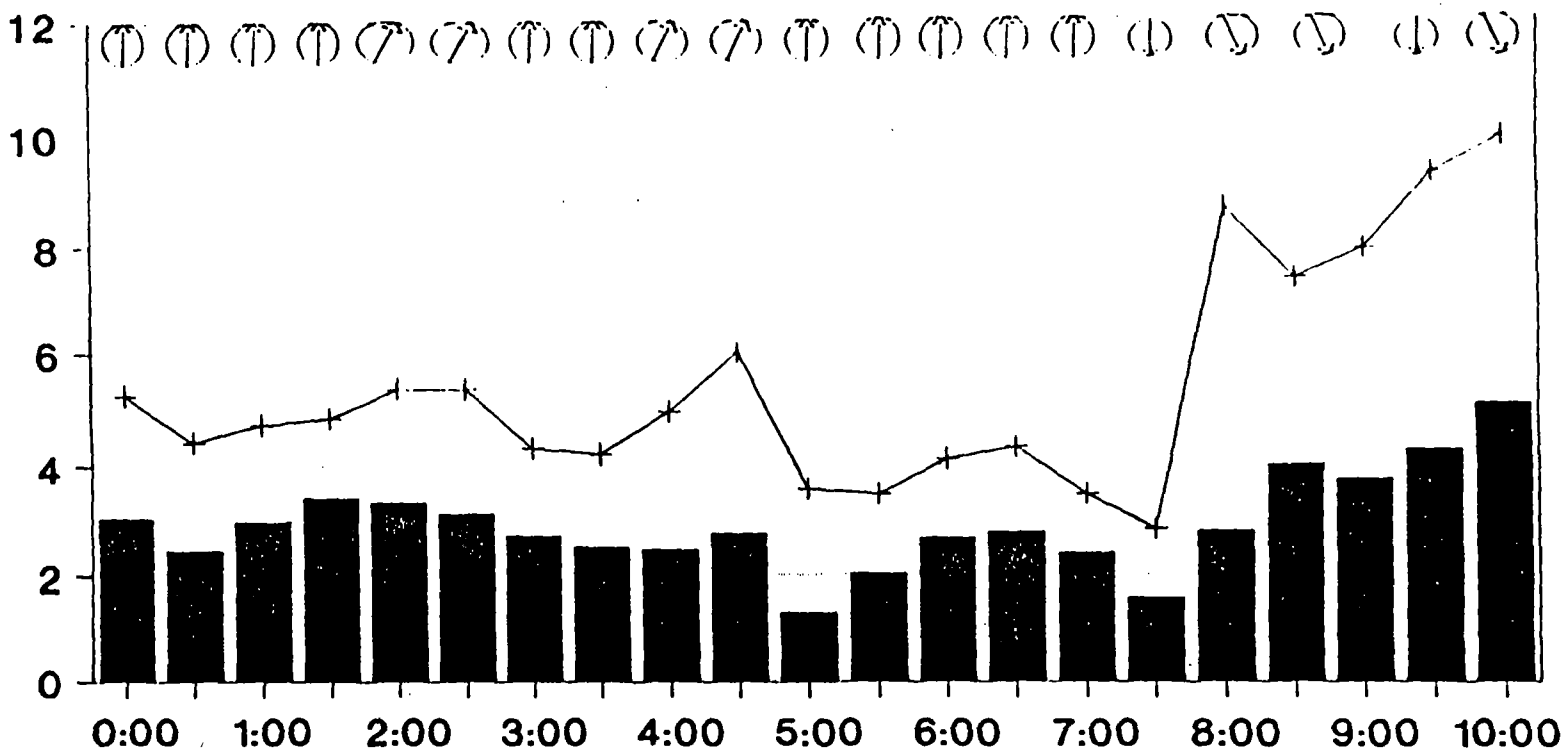


LEGEND

Mean wind speed Max. wind speed

Wind Direction Due North

AMBIENT AIR DATA
APRIL 1992



LEGEND

Mean wind speed — Max. wind speed

Wind Direction Due North

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING

DATE	TIME	AVG WIND SPEED	MAX WIND SPEED
4-15	725	1.937	2.008
4-15	735	1.934	1.873
4-15	745	1.009	1.112
4-15	755	2.659	1.962
4-15	805	2.482	3.693
4-15	815	2.893	8.372
4-15	825	4.387	3.845
4-15	835	2.974	4.982
4-15	845	2.089	9.384
4-15	855	4.394	6.384
4-15	905	3.093	5.394
4-15	915	1.093	5.093
4-15	925	3.094	6.093
4-15	935	3.093	6.909
4-15	945	3.093	9.25

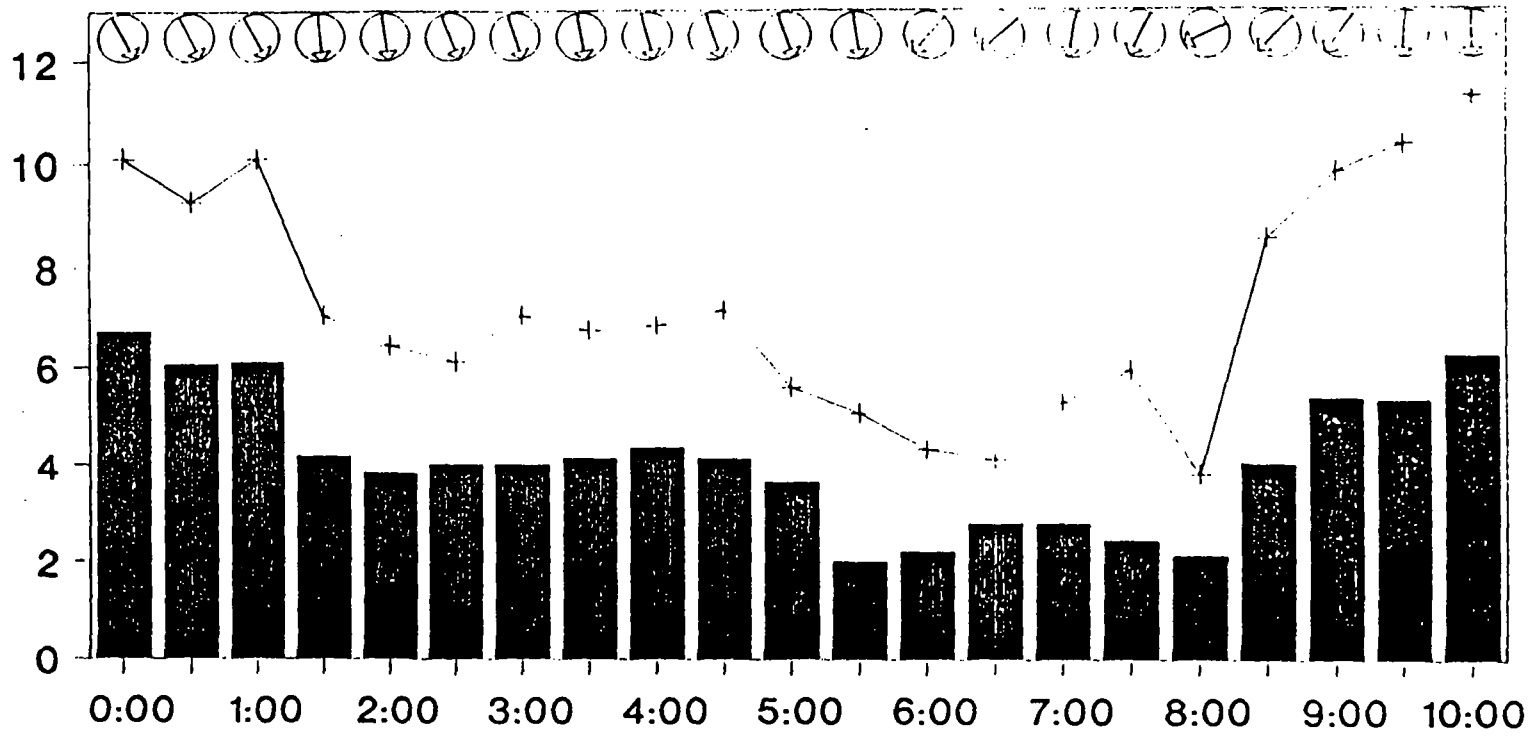
METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING

DATE	TIME	AVG WIND SPEED	MAX WIND SPEED
4-16	710	1.863	2.839
4-16	720	1.562	2.418
4-16	730	1.242	2.313
4-16	740	1.34	4.1
4-16	750	2.688	4.731
4-16	800	4.387	8.62
4-16	810	3.997	6.729
4-16	820	3.517	7.25
4-16	830	4.42	7.36
4-16	840	4.587	7.89
4-16	850	3.857	6.203
4-16	900	2.748	7.57
4-16	910	4.747	9.25

WIND DATA
AMBIENT AIR

Date	Time	Av. Wnd. Speed	Max. Wnd. Speed	Wind Dir.
28-May	1000	3.710	8.520	160.70
28-May	1030	3.016	6.834	158.00
28-May	1100	2.244	5.362	125.80
28-May	1130	2.609	5.467	78.90
28-May	1200	2.698	5.888	23.77
28-May	1230	3.176	6.834	58.05
28-May	1300	2.618	6.624	44.11
28-May	1330	3.708	9.670	93.50
28-May	1400	5.545	9.990	200.70
28-May	1430	4.905	10.720	155.00
28-May	1500	5.877	13.560	157.20
28-May	1530	8.560	15.560	180.40
28-May	1600	7.400	12.300	177.90
28-May	1630	6.920	12.830	159.00
28-May	1700	9.130	14.610	183.30
28-May	1730	8.240	14.090	193.30
28-May	1800	6.709	10.620	183.50
28-May	1830	6.566	9.250	180.70
28-May	1900	6.292	9.570	173.00
28-May	1930	5.723	8.620	165.60
28-May	2000	5.843	8.620	172.80
28-May	2030	5.617	8.730	151.80
28-May	2100	5.044	8.410	150.90
28-May	2130	5.569	9.880	162.30
28-May	2200	5.125	8.200	140.40
28-May	2230	4.739	7.780	136.70
28-May	2300	6.021	9.150	142.10
28-May	2330	6.583	10.930	147.50

AMBIENT AIR WIND DATA
MAY 29, 1992



LEGEND

Mean wind speed

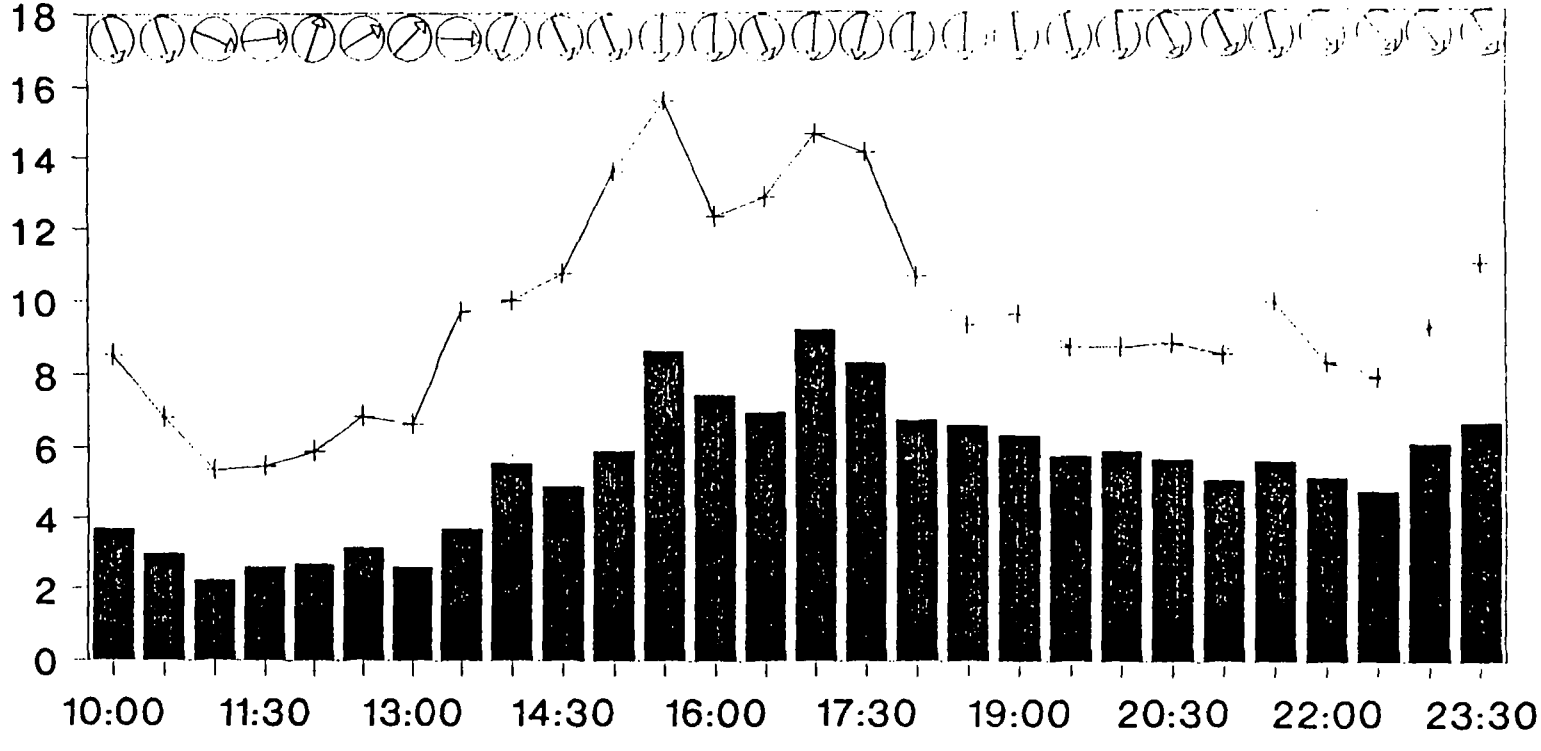
Max. wind speed

Points Into Wind

WIND DATA
AMBIENT AIR

Date	Time	Av. Wnd. Speed	Max. Wnd. Speed	Wind Dir.
29-May	0	6.717	10.090	151.60
29-May	30	6.060	9.250	154.20
29-May	100	6.103	10.090	153.80
29-May	130	4.184	7.040	175.40
29-May	200	3.833	6.414	170.90
29-May	230	4.021	6.098	158.10
29-May	300	4.023	7.040	161.80
29-May	330	4.143	6.729	170.40
29-May	400	4.363	6.834	165.50
29-May	430	4.136	7.150	161.20
29-May	500	3.646	5.572	160.00
29-May	530	1.990	5.047	169.70
29-May	600	2.192	4.311	221.30
29-May	630	2.774	4.100	227.20
29-May	700	2.776	5.257	189.40
29-May	730	2.423	5.888	206.30
29-May	800	2.111	3.785	245.50
29-May	830	4.022	8.520	224.40
29-May	900	5.349	9.780	214.10
29-May	930	5.298	10.300	184.30
29-May	1000	6.192	11.250	177.90

AMBIENT AIR WIND DATA
MAY 28, 1992



LEGEND

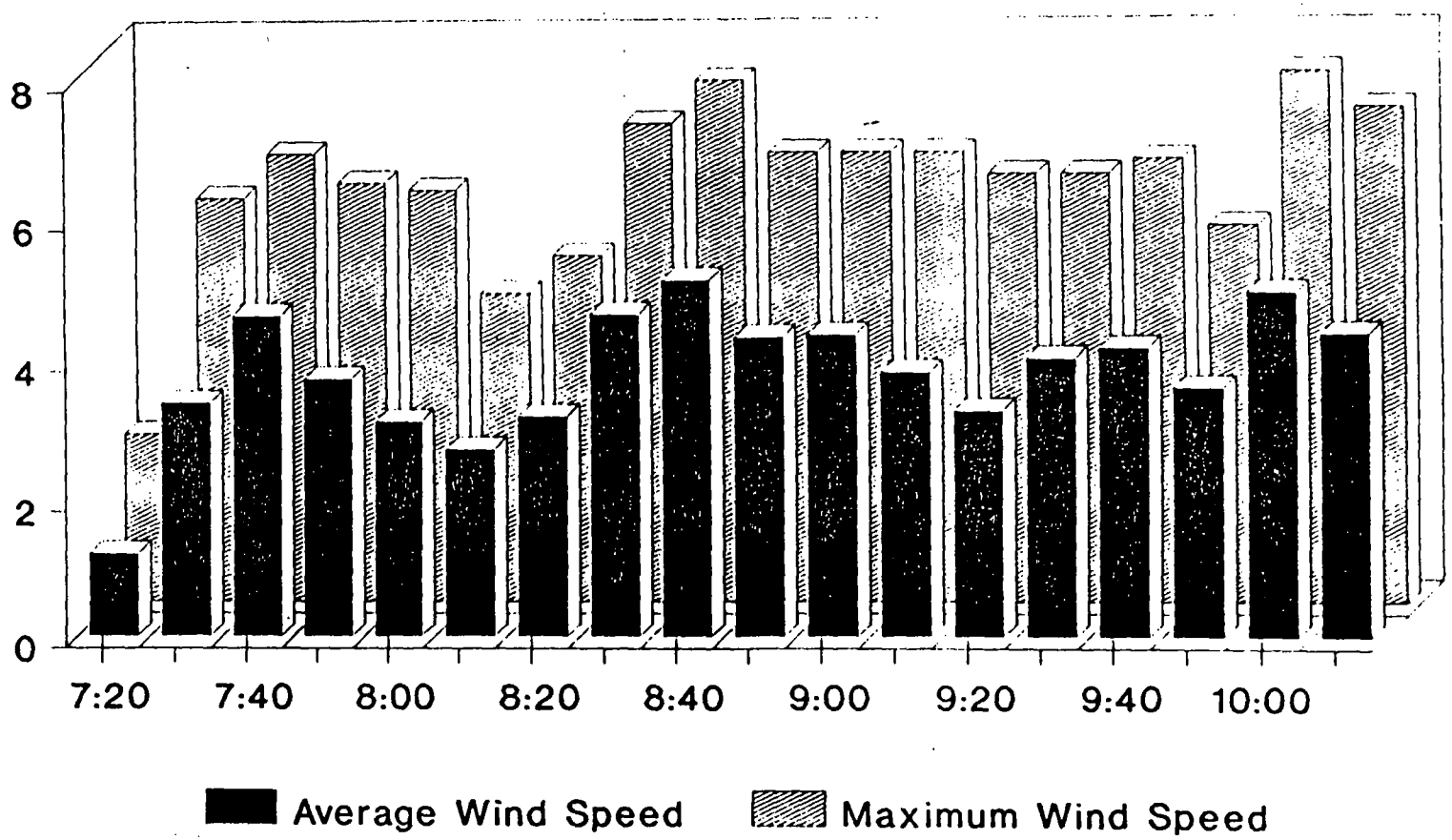
Mean wind speed — Max. wind speed

Points Into Wind

WIND DATA
INTEGRATED SURFACE SAMPLE

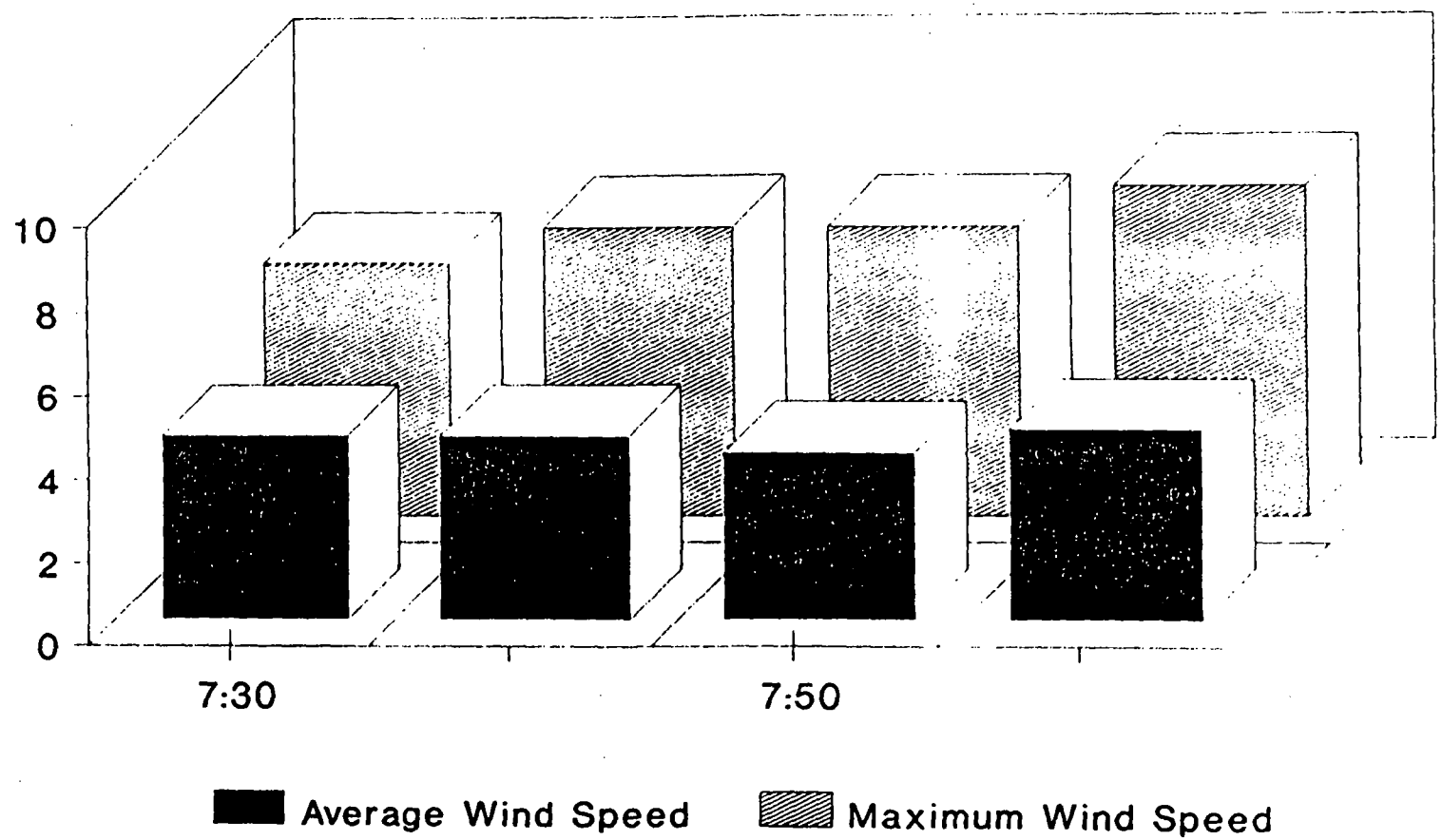
Date	Time	Av. Wnd. Speed	Max. Wnd. Speed
27-May	720	1.207	2.418
27-May	730	3.380	5.783
27-May	740	4.620	6.414
27-May	750	3.716	5.993
27-May	800	3.110	5.888
27-May	810	2.708	4.416
27-May	820	3.178	4.942
27-May	830	4.630	6.834
27-May	840	5.104	7.460
27-May	850	4.303	6.414
27-May	900	4.332	6.414
27-May	910	3.805	6.414
27-May	920	3.252	6.098
27-May	930	3.998	6.098
27-May	940	4.141	6.308
27-May	950	3.570	5.362
27-May	1000	4.914	7.570
27-May	1010	4.335	7.040
28-May	730	4.412	5.993
28-May	740	4.403	6.834
28-May	750	3.995	6.834
28-May	800	4.540	7.780
29-May	720	1.619	5.888
29-May	730	2.814	4.416
29-May	740	1.819	3.154
29-May	750	1.909	3.364
29-May	800	2.604	3.785
29-May	810	2.593	4.521

Integrated Surface Sampling
May 27, 1992



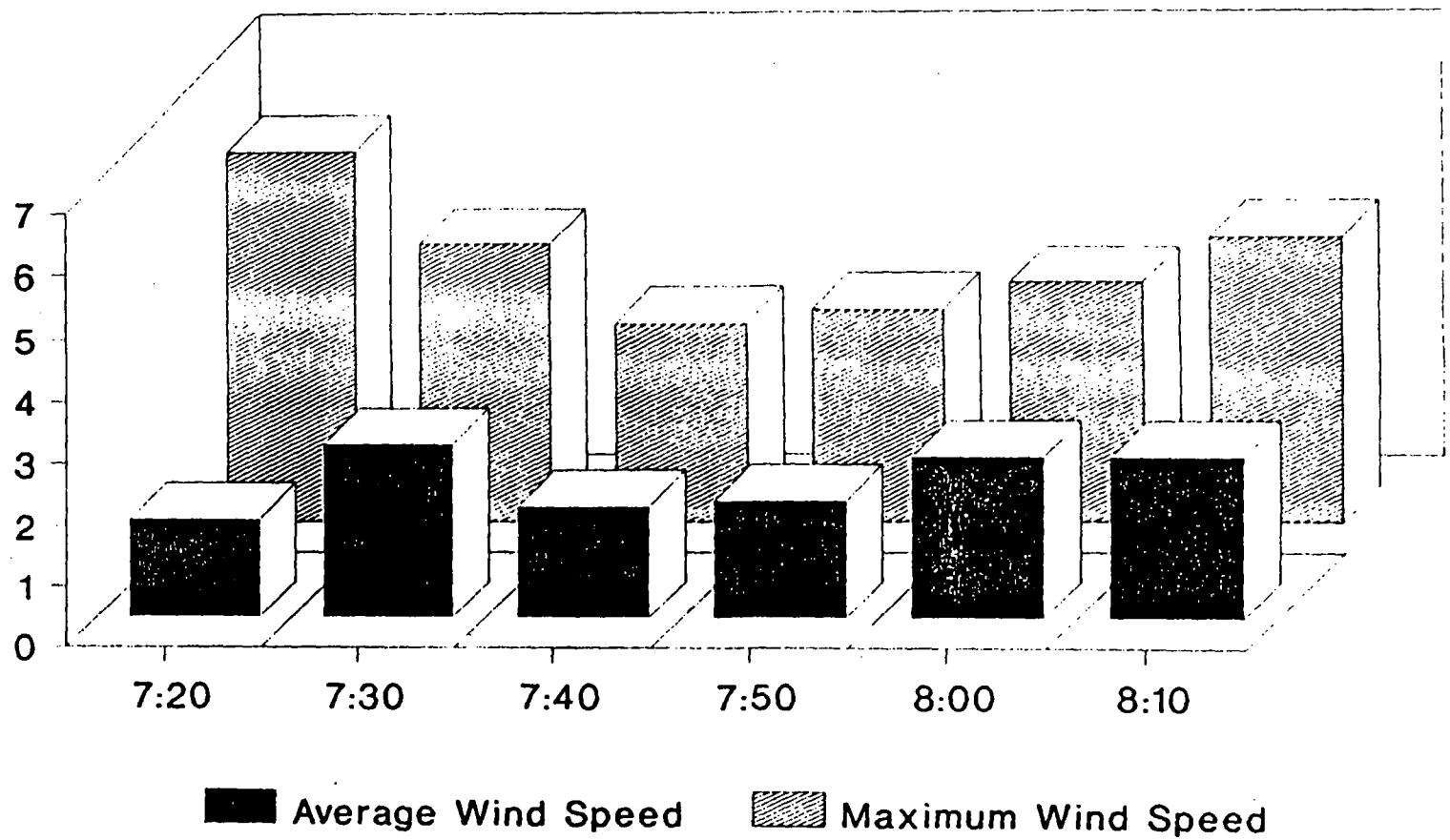
Speed in mph

Integrated Surface Sampling
May 28, 1992



Speed in mph

Integrated Surface Sampling
May 29, 1992



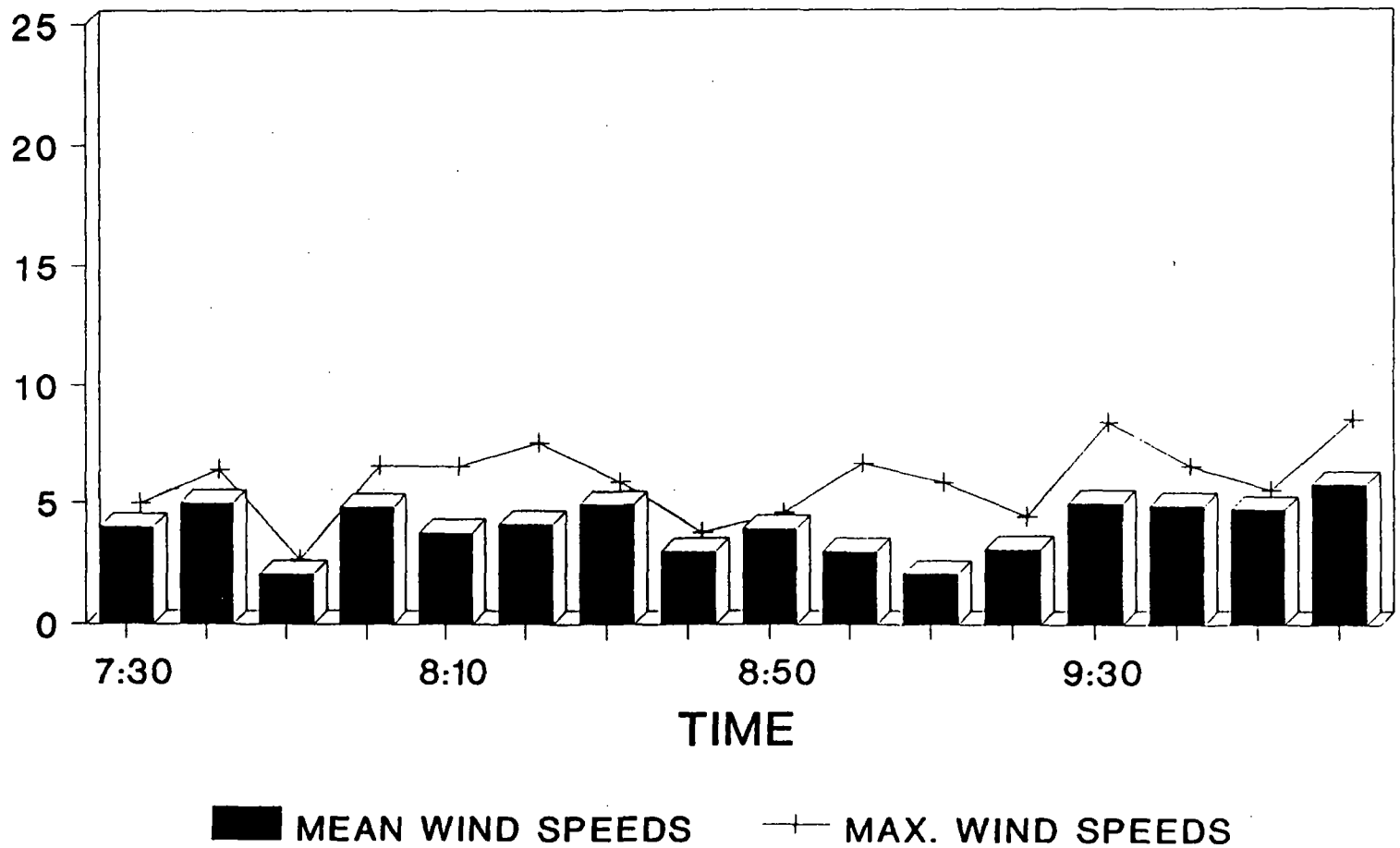
Speed in mph

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING
JUNE 11, 1992

TIME	AVERAGE WIND SPEED	MAXIMUM WIND SPEED
0730	3.996	4.42
0740	4.973	5.831
0750	2.032	2.093
0800	4.832	6.003
0810	3.773	5.993
0820	4.124	6.999
0830	4.932	5.341
0840	2.993	3.231
0850	3.945	4.034
0900	3.009	6.145
0910	2.081	5.321
0920	3.098	3.901
0930	4.999	7.891
0940	4.891	6.003
0950	4.734	4.993
1000	5.794	7.995

INTEGRATED SURFACE SAMPLING

June 11, 1992



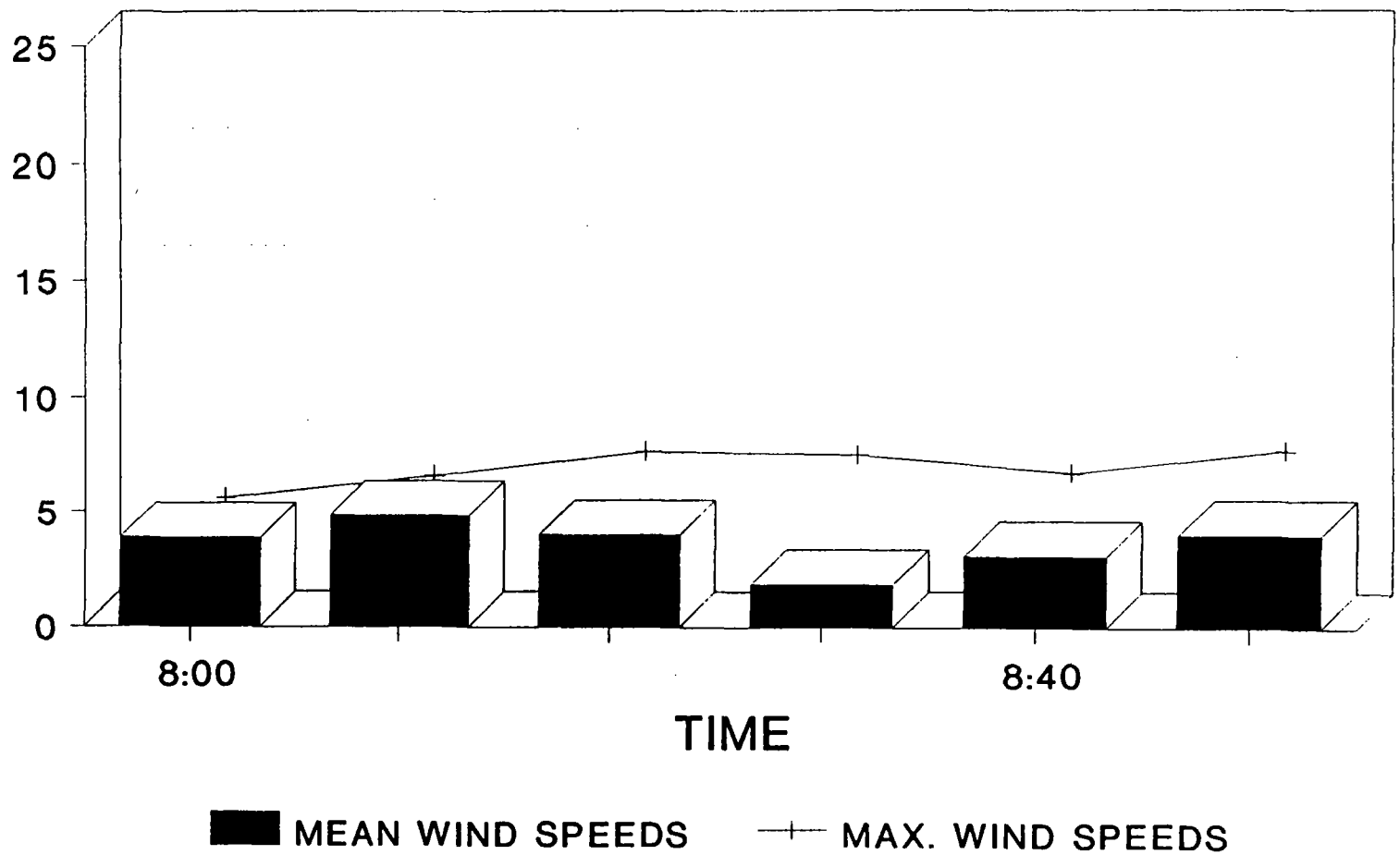
wind speed in mph

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING
JUNE 15, 1992

TIME	AVERAGE WIND SPEED	MAXIMUM WIND SPEED
0800	3.863	4.092
0810	4.842	5.082
0820	4.006	6.12
0830	1.855	5.974
0840	3.082	5.169
0850	4.004	6.154

INTEGRATED SURFACE SAMPLING

June 15, 1992



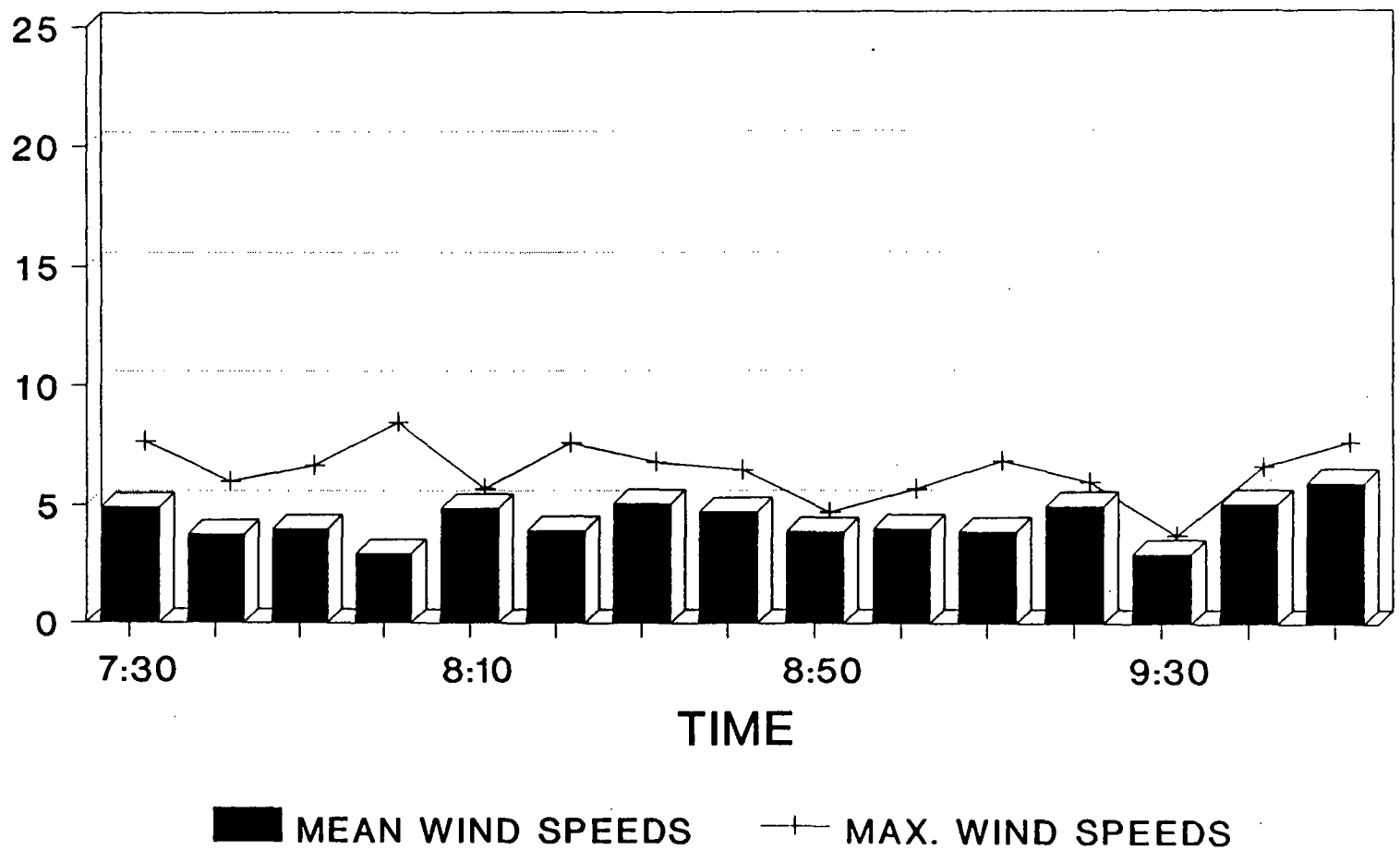
wind speed in mph

METEOROLOGICAL DATA
INTEGRATED SURFACE SAMPLING
JUNE 10, 1992

TIME	AVERAGE WIND SPEED	MAXIMUM WIND SPEED
0730	4.903	7.057
0740	3.764	5.382
0750	3.996	6.067
0800	2.957	7.851
0810	4.857	5.069
0820	3.904	7.003
0830	5.041	6.17
0840	4.705	5.86
0850	3.873	4.082
0900	3.983	5.082
0910	3.871	6.243
0920	4.934	5.345
0930	2.926	3.084
0940	5.023	5.993
0950	5.895	7.003

INTEGRATED SURFACE SAMPLING

June 10, 1992



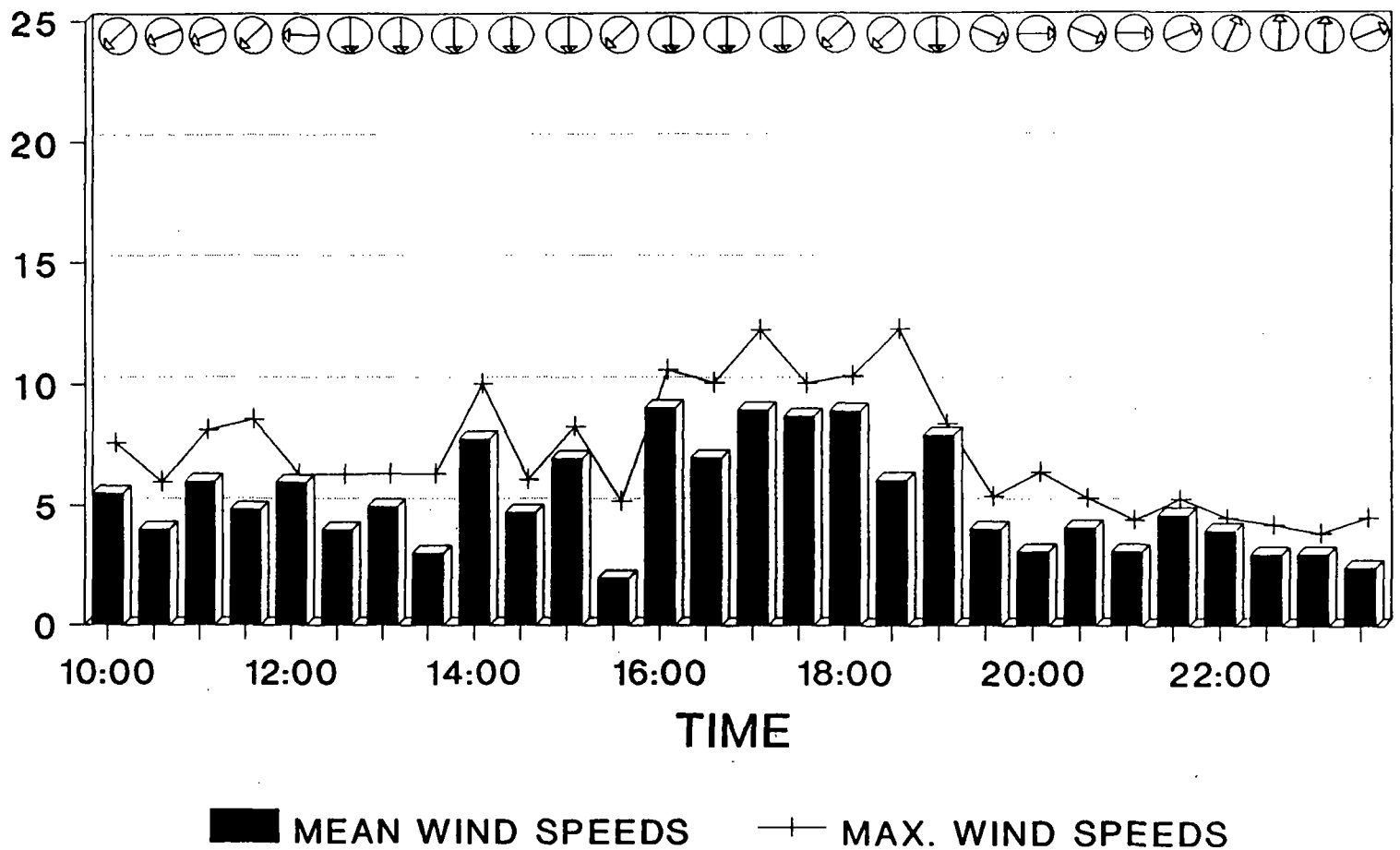
wind speed in mph

METEOROLOGICAL DATA
AMBIENT AIR DATA COLLECTED ON
JUNE 16, 1992

TIME	AVERAGE WIND SPEED	AVERAGE WIND DIRECTION	MAXIMUM WIND SPEED
1000	5.521	219.2	7.3
1030	4.009	227.5	5.673
1100	6.008	226.7	7.82
1130	4.854	213.6	8.27
1200	5.983	267.3	5.99
1230	3.985	193	6.001
1300	4.972	192	6.014
1330	3.025	189.5	6.01
1400	7.783	183.2	9.739
1430	4.73	192.6	5.784
1500	6.961	207.4	7.973
1530	1.967	191.8	4.876
1600	9.067	196.6	10.3
1630	7.006	194.9	9.764
1700	8.984	206.7	11.9
1730	8.73	211.9	9.751
1800	8.943	201.3	10.06
1830	6.085	205.5	11.94
1900	7.94	201.8	8.09
1930	4.054	132.6	5.084
2000	3.096	110.6	6.083
2030	4.095	123.8	5.009
2100	3.085	94.8	4.099
2130	4.632	71.8	5.001
2200	3.976	23.95	4.185
2230	2.976	21.87	3.891
2300	3.001	19.04	3.551
2330	2.428	53.82	4.215

MONITORING WIND CONDITIONS

June 16, 1992



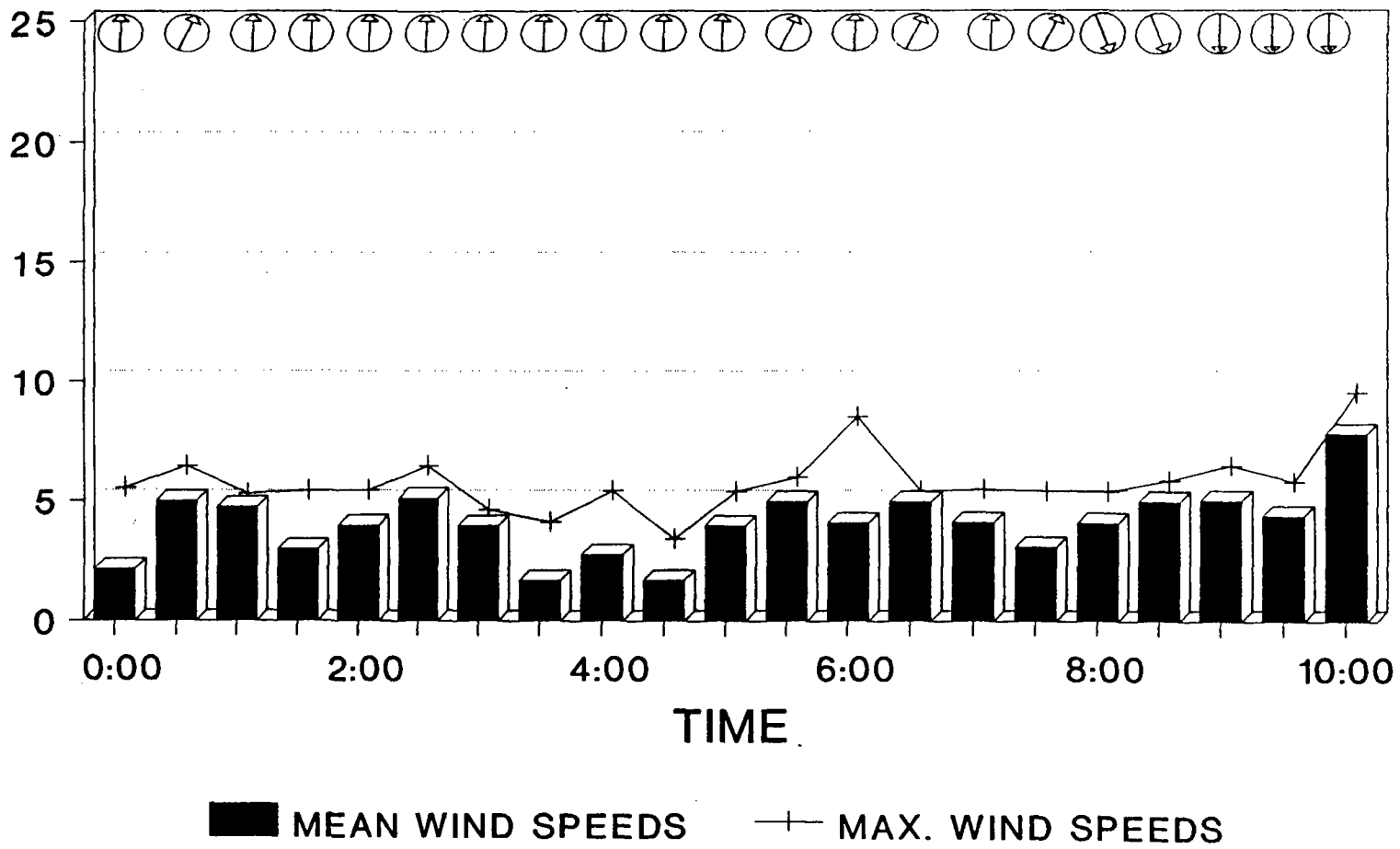
wind speed in mph

METEOROLOGICAL DATA
AMBIENT AIR DATA COLLECTED ON
JUNE 17, 1992

TIME	AVERAGE WIND SPEED	AVERAGE WIND DIRECTION	MAXIMUM WIND SPEED
000	2.143	19.6	5.098
030	4.984	25.98	6.01
0100	4.743	17.95	4.853
0130	2.985	16.09	4.985
0200	3.967	14.25	5.002
0230	5.097	20.99	6.005
0300	3.957	4.975	4.2
0330	1.673	15.95	3.696
0400	2.759	9.658	4.974
0430	1.685	10.6	2.974
0500	3.957	6.953	4.963
0530	4.963	32.06	5.538
0600	4.078	11.63	8.095
0630	4.958	32.96	4.992
0700	4.099	6.983	5.058
0730	3.078	25.9	4.985
0800	4.066	174	4.967
0830	4.967	159.4	5.437
0900	5.012	183.7	6.062
0930	4.382	181.5	5.374
1000	7.8	181.2	9.104

MONITORING WIND CONDITIONS

June 17, 1992



wind speed in mph

APPENDIX C

ISS AND AMBIENT AIR SITE PLAN MAPS

PARTIALLY SCANNED
OVERSIZE ITEM(S)

See document # 2199227
for partially scanned image(s).
13 TO 15 OF 14

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

APPENDIX D

FIELD RECORD LOGS

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/13/92
Start Time: 11:05 Completion Time: 11:10

Technician: Wilson Bag I.D. No.: UR183

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: Wilson

Sample Location: DW 24hrs Sampler Number: 1005

Sample Type: (Ambient Air) /ISS /LFG /Probes /Head Space

Program Start Date: 4/15/92 Time: 10:00
Program Stop Date: 4/16/92 Time: 10:00

Program Timer Setting: 14:30 Actual Time: 14:30

Rotometer Setting Start: 30 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/13
Start Time: 11:05 Completion Time: 11:10

Technician: Wilson Bag I.D. No.: 1X180

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: Wilson

Sample Location: DW 224 his Sampler Number: 9001

Sample Type: (Ambient Air) /ISS /LFG /Probes /Head Space

Program Start Date: 4/16/92 Time: 12:00 am
Program Stop Date: 4/16/92 Time: 6:00 am

Program Timer Setting: 14:15 Actual Time: 14:15

Rotometer Setting Start: 100 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/13
Start Time: 11:05 Completion Time: 11:10

Technician: C Wilson Bag I.D. No.: 179

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: Wilson

Sample Location: DW <24hr Dup Sampler Number: 9C04

Sample Type: (Ambient Air) /ISS /LFG /Probes /Head Space

Program Start Date: 4/16/92 ~~10:00~~ Time: ~~10:0~~ 12:00 a.m.
Program Stop Date: 4/16/92 Time: 6:00 a.m.

Program Timer Setting: 14:17 Actual Time: 14:17

Rotometer Setting Start: 100 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/13/92
Start Time: 11:05 Completion Time: 11:10

Technician: Wilson Bag I.D. No.: VR137

Visual Condition of Bag: New

Bag Leak Test: Pass ( ) ✓ Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes ( ) ✓ No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: Wilson

Sample Location: UW 24 hrs Sampler Number: 9202

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 4/15/92 Time: 10:00
Program Stop Date: 4/16/92 Time: 10:00

Program Timer Setting: 14:00 Actual Time: 14:00

Rotometer Setting Start: 30 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/13/92
Start Time: 11:05 Completion Time: 11:10

Technician: Wilson Bag I.D. No.: UR182

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: Wilson

Sample Location: DW <24hrs Sampler Number: 9003

Sample Type: (Ambient Air) /ISS /LFG /Probes /Head Space

Program Start Date: 4/15/92 Time: 12:00am
Program Stop Date: 4/15/92 Time: 6:00am

Program Timer Setting: 14:30 Actual Time: 14:30

Rotometer Setting Start: 100 Stop: 100

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/13/92
Start Time: 10:50 Completion Time: 11:00

Technician: Wilson Bag I.D. No.: VR095

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: C. Wilson, R. Johnson

Sample Location: ~~TA~~ LFG Sampler Number: 9013

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 4/13/92 Time: 16:30
Program Stop Date: _____ Time: 16:40

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 44.12 Methane %
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/13/92
Start Time: 10:50 Completion Time: 11.00

Technician: Wilson Bag I.D. No.: VR121

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: C Wilson, R Johnson

Sample Location: 234 Probe # W7D Sampler Number: 9012

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 4/13/92 Time: 16:45
Program Stop Date: Time: 16:55

Program Timer Setting: Actual Time:

Rotometer Setting Start: Stop:

Field Readings: 4 % Methane
Other (Specify)

Observations:

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234 Bradley

PURPOSE: ISS - Sample Analysis.

OPERATOR: R. Johnson

DATE: 4/15/92 **Start** 14:15 **Finish** 14:37

Model # OVA128
Serial # 4050

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery Test	Pass/Fail	Perform Three Point Internal Calibration Before Use.
Reading Following Ignition	4.2 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)
9	9	100	0.7
95	95	100	
900	900	100	

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 14:36	9	8.8	
2.			

Instrument calibrated to CH_4 gas

COMMENTS:

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 734 Date: 4/14
Start Time: 300 Completion Time: 320

Technician: CW Bag I.D. No.: UR166

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: GW 21 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 4/15 Time: 7:25
Program Stop Date: _____ Time: 7:50

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0.5 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4-14
Start Time: 3:00 Completion Time: 3:20

Technician: CW Bag I.D. No.: VC154

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes ( ) No (✓)

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: CW

Sample Location: Grid 2 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 4/5 Time: 7:50
Program Stop Date: _____ Time: 8:15

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0.4 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 734 Date: 4/14
Start Time: 300 Completion Time: 320

Technician: CW Bag I.D. No.: UK 174

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: CW

Sample Location: Grid 3 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 4/5/92 Time: 7:20
Program Stop Date: _____ Time: 7:45

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0.3 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/14
Start Time: 300 Completion Time: 320

Technician: CW Bag I.D. No.: UR 170

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: C-04 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 4/5/92 Time: 07:52
Program Stop Date: _____ Time: 08:17

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0.3 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/14
Start Time: 300 Completion Time: 300

Technician: [illegible] Bag I.D. No.: VR 169

Visual Condition of Bag: Ok

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: K. Johnson

Sample Location: Grid 5 Sampler Number: _____

Sample Type: Ambient Air /ISS/ /LFG /Probes /Head Space

Program Start Date: 4/15/92 Time: 9:00
Program Stop Date: _____ Time: 9:25

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0.5 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/14
Start Time: 300 Completion Time: 320

Technician: CW Bag I.D. No.: UK167

Visual Condition of Bag: Ok

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid #6 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 4/15/92 Time: 8:35
Program Stop Date: _____ Time: 9:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0.3 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/14
Start Time: 320 Completion Time: 320

Technician: [illegible] Bag I.D. No.: VK165

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid # 7 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 4/15/92 Time: 9:30
Program Stop Date: _____ Time: 9:55

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0.4 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/13/92
Start Time: 10:50 Completion Time: 11:00

Technician: Wilson Bag I.D. No.: VR 097

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: C Wilson & P Johnson
Grove

Sample Location: ~~234 Probe~~ Sampler Number:

Sample Type: Ambient Air /ISS /LEG /Probes /Head Space

Program Start Date: 4/15 Time: 8:30
Program Stop Date: Time: 8:55

Program Timer Setting: Actual Time:

Rotometer Setting Start: Stop:

Field Readings: 0.4 ppm Methane
ppm Other (Specify)

Observations:

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/14
Start Time: 300 Completion Time: 320

Technician: CW Bag I.D. No.: VR 171

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: CW

Sample Location: Cell 9 Sampler Number: _____

Sample Type: Ambient Air (ISS) /LFG /Probes /Head Space

Program Start Date: 4/13 Time: 8:55
Program Stop Date: _____ Time: 9:20

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0.4 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: [illegible] Date: [illegible]
Start Time: [illegible] Completion Time: [illegible]

Technician: [illegible] Bag I.D. No.: [illegible]

Visual Condition of Bag: [illegible]

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes ( ) No (✓)

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: [illegible]

Sample Location: Grid 10 Sampler Number: _____

Sample Type: Ambient Air (ISS) /LFG /Probes /Head Space

Program Start Date: 4/5 Time: 9:20
Program Stop Date: _____ Time: 9:45

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0.6 ppm Methane
_____ Other (Specify) _____

Observations: _____

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 254

PURPOSE: ISS - Sample Flow Analysis

OPERATOR: R Johnson

DATE: 4/16/92 **Start** 09:35 **Finish**_____

Model # 108 112
Serial # 46501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	5.6 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)
9	9	100	0.6
95	95	100	
400	400	100	

AUDIT

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

Instrument calibrated to_____gas

COMMENTS:_____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/14
Start Time: 320 Completion Time: 320

Technician: CW Bag I.D. No.: VR156

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes ( ) No (✓)

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: CW

Sample Location: Grid 1 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 8/4/6 Time: 7:15
Program Stop Date: _____ Time: 7:40

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: .7 Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 934 Date: 4/14
Start Time: 320 Completion Time: 320

Technician: dw Bag I.D. No.: VR157

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: dw

Sample Location: Grid 12 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 4/16 Time: 8:45
Program Stop Date: _____ Time: 8:10

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: .3 Methane
_____ Other (Specify) _____

Observations: _____

lab

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/14
Start Time: 300 Completion Time: 320

Technician: [illegible] Bag I.D. No.: VR172

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnston

Sample Location: Grid 14 Sampler Number: _____

Sample Type: Ambient Air (ISS) /LFG /Probes /Head Space

Program Start Date: 4/16/01 Time: 0323
Program Stop Date: _____ Time: 0 3 - 5

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 1.0 Methane
_____ Other (Specify) _____

Observations: _____

1at

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/14
Start Time: 300 Completion Time: 320

Technician: OW Bag I.D. No.: VR168

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid 13 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 4/14/02 Time: 0956
Program Stop Date: _____ Time: [illegible]

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 1.3 Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/20/92
Start Time: 1:00 Completion Time: 2:45

Technician: CW Bag I.D. No.: UR 191

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: RJ

Sample Location: AP DW 24hr Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 5/20/92 Time: 10.00
Program Stop Date: 5/20/92 Time: 10.00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 30 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/20/92
Start Time: 100 Completion Time: 2:45

Technician: NW Bag I.D. No.: LR188

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: RJ

Sample Location: Pit DW 24hrs Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 5/20/92 Time: 0:00
Program Stop Date: 5/20/92 Time: 6:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 100 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/29/92
Start Time: 100 Completion Time: 2:45

Technician: CW Bag I.D. No.: VR 190

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: [illegible]

Sample Location: AA Dw <24hr Sampler Number: _____

Sample Type: (Ambient Air) /ISS /LFG /Probes /Head Space

Program Start Date: 5/29/92 Time: 00 00
Program Stop Date: 5/30/92 Time: 6 00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 100 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/20/92
Start Time: 100 Completion Time: 2:45

Technician: CW Bag I.D. No.: VR192

Visual Condition of Bag: New

Bag Leak Test: Pass ( ) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes ( ) No ( )

Bag Valve Shut Off: Yes ( ) No ( )

Bag Stored & Checklist Completed: Yes ( ) No ( )

Field Information

Personnel: RJ

Sample Location: AA UW <24hr Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 5/29/92 Time: 0:00
Program Stop Date: 5/29/92 Time: 6:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 100 ml/min Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/20/92
Start Time: 100 Completion Time: 2:45

Technician: CW Bag I.D. No.: UR 199

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: CJ

Sample Location: AF UW 24 hrs Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 5/28/92 Time: 10:00
Program Stop Date: 5/29/92 Time: 10:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: 30 Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/20/92
Start Time: 200 Completion Time: 245

Technician: CW Bag I.D. No.: 183

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: CD

Sample Location: GEC 1 Sampler Number:

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 5/29 Time: 7:25
Program Stop Date: Time:

Program Timer Setting: Actual Time:

Rotometer Setting Start: 25 Stop:

Field Readings: 0 Methane
Other (Specify)

Observations:

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/20/92
Start Time: 220 Completion Time: 225

Technician: CW Bag I.D. No. MXH 165

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: BM

Sample Location: Grid 2 Sampler Number: _____

Sample Type: Ambient Air (ISS) /LFG /Probes /Head Space

Program Start Date: 5/27 Time: 8:13
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0.3 Methane
_____ Other (Specify) _____

Observations: _____

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: #234 Bradley

PURPOSE: ISS Sample Field Reading

OPERATOR: R. Johnson

DATE: 5/28/92 **Start** 08:57 **Finish** _____

Model # OVA 128
Serial # 7050

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	(Pass)/Fail
Reading Following Ignition	10 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)
9	9		4.2
95	95		
900	900		

AUDIT

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

Instrument calibrated to _____ gas

COMMENTS: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/20/92
Start Time: 200 Completion Time: 245

Technician: CW Bag I.D. No. UR466

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: BM

Sample Location: Grid 3 Sampler Number: _____

Sample Type: Ambient Air (ISS) /LFG /Probes /Head Space

Program Start Date: 5-7-92 Time: 8:11
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 1.0 Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/15/92
Start Time: 14:45 Completion Time: 14:48

Technician: R. Johnson Bag I.D. No.: VR 122

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: ED

Sample Location: Grid 4 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 5/27 Time: 7:56
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: Ø Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/20/92
Start Time: 2:00 Completion Time: 2:45

Technician: CW Bag I.D. No.: UR184

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: CW

Sample Location: Grid 5 Sampler Number: _____

Sample Type: Ambient Air /SS /LFG /Probes /Head Space

Program Start Date: 5/27/92 Time: 8:00
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 1.0 Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/20/12
Start Time: 2:00 Completion Time: 2:45

Technician: CW Bag I.D. No.: VR186

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: CW

Sample Location: Grid 6 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 5/27/12 Time: 8:30
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 1.1 Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/20/92
Start Time: 200 Completion Time: 245

Technician: CW Bag I.D. No.: UR168

Visual Condition of Bag: Ok

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: CW

Sample Location: Grid 7 Sampler Number: _____

Sample Type: Ambient Air /SS /LFG /Probes /Head Space

Program Start Date: 5/27/92 Time: 9:00
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 22 Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3/17/92
Start Time: 14:02 Completion Time: 14:04

Technician: RJ Bag I.D. No.: VR171

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes ( ) (✓) No ( )

Field Information

Personnel: ~~RS~~ CW

Sample Location: Grid 8 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 3/17/92 Time: 7:26
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 1.2 Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/20/92
Start Time: 100 Completion Time: 145

Technician: [illegible] Bag I.D. No.: 169

Visual Condition of Bag: [illegible]

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid #10 Sampler Number: _____

Sample Type: Ambient Air (/ISS) /LFG /Probes /Head Space

Program Start Date: 5/27/92 Time: 9.01
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 1.7 Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3/17/92
Start Time: 13:59 Completion Time: 14:01

Technician: R. Johnson Bag I.D. No.: VR111

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: ED

Sample Location: Grid 11 Sampler Number: _____

Sample Type: Ambient Air /SS /LFG /Probes /Head Space

Program Start Date: 5/27 Time: _____
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: 9:01

Rotometer Setting Start: _____ Stop: _____

Field Readings: 1.0 Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/15/92
Start Time: 14:56 Completion Time: 14:53

Technician: R. Johnson Bag I.D. No.: VR110

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: BRM

Sample Location: Grid 13 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 5/27/92 Time: 9:40
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 1.4 Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 3/17/92
Start Time: 14:02 Completion Time: 14:04

Technician: R. Johnson Bag I.D. No.: VR 161

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: PD

Sample Location: GRID 15 Sampler Number: 155 1

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 5/27/92 Time: 9:40
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: .8 Stop: _____

Field Readings: 2.7 Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/20/92
Start Time: 10 Completion Time: 1:45

Technician: [illegible] Bag I.D. No.: 167

Visual Condition of Bag: OK.

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid 14 Sampler Number: _____

Sample Type: Ambient Air /SS /LFG /Probes /Head Space

Program Start Date: 5/27/92 Time: 9:40
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 2.9 Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/29/92
Start Time: 0710 Completion Time: 0712

Technician: R. Johnson Bag I.D. No.: UR187

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes ( ) No (✓)

Field Information

Personnel: [illegible]

Sample Location: Grid #16 Sampler Number: _____

Sample Type: Ambient Air (ISS) /LFG /Probes /Head Space

Program Start Date: 5/29/92 Time: 7:20
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 5.0 Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/29/92
Start Time: 07:08 Completion Time: 07:10

Technician: R. Johnson Bag I.D. No.: UR185

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes ( ) No (✓)

Field Information

Personnel: CW

Sample Location: Grid #17 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 5/29/92 Time: ~~8:45~~ 7:45
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 6.1 Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 4/15/92
Start Time: 14:52 Completion Time: 14:54

Technician: R Johnson Bag I.D. No.: VR128

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: cmil 18 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 5/28/92 Time: 7:30
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 2.6 Methane
_____ Other (Specify) _____

Observations: _____

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: #234 Bradley

PURPOSE: ISS Sample Field Reading

OPERATOR: R. Johnson

DATE: 5/28/92 **Start** 08:57 **Finish** _____

Model # OVA 128
Serial # 4050

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery Test	(Pass)/Fail	Perform Three Point Internal Calibration Before Use.
Reading Following Ignition	10 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)
9	9		4.2
95	95		
900	900		

AUDIT

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

Instrument calibrated to _____ gas

COMMENTS: _____

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: ISS Sample Field reading.

OPERATOR: R. Johnson

DATE: 5/29/92 **Start** 08:37 **Finish**_____

Model # OVA128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST	
Battery Test	Pass/Fail
Reading Following Ignition	7.2 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)
9	9	100	0.8
95	95	100	

AUDIT

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

Instrument calibrated to_____gas

COMMENTS:_____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 5/29/92
Start Time: 0712 Completion Time: 07614

Technician: R. Johnson Bag I.D. No.: VR161

Visual Condition of Bag: ~~[illegible]~~ Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid # 19 Sampler Number: _____

Sample Type: Ambient Air (/ISS) /LFG /Probes /Head Space

Program Start Date: 5/29/92 Time: 07:39
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 4.3 Methane
_____ Other (Specify) _____

Observations: _____

WMNA - EMD
ORGANIC VAPOR ANALYZER CALIBRATION LOG

SITE: 234

PURPOSE: ISS

OPERATOR: C-W

DATE: 6/11/92 **Start** 11:00 **Finish** 11:10

Model # OVA 128
Serial # 40501

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery Test	Pass/Fail	Perform Three Point Internal Calibration Before Use.
Reading Following Ignition	3.5 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)
~~100~~ 9		100%	
95		100%	
500		100%	

AUDIT

Time	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
1. 8			
90			
2. 480			

Instrument calibrated to CH_4 gas

COMMENTS:

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/9/92
Start Time: 11:30 Completion Time: 12:36

Technician: CW Bag I.D. No.: UR 163

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: CW

Sample Location: Grid 2 Sampler Number: _____

Sample Type: Ambient Air (ISS) /LFG /Probes /Head Space

Program Start Date: 6/10/92 Time: 8:00
Program Stop Date: _____ Time: 8:25

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/9/92
Start Time: 11:30 Completion Time: 12:30

Technician: Cew Bag I.D. No.: UR176

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: Cew

Sample Location: Grid 3 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 6/10/92 Time: 8:25
Program Stop Date: _____ Time: 8:50

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: Ø Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/9/92
Start Time: 11:30 Completion Time: 12:30

Technician: CW Bag I.D. No.: UR184

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: CW

Sample Location: Grid 4 Sampler Number: _____

Sample Type: Ambient Air (ISS) /LFG /Probes /Head Space

Program Start Date: 6/10/92 Time: 8:55
Program Stop Date: _____ Time: 9:20

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: ~~UR~~ 6/9/92
Start Time: 1130 Completion Time: 1230

Technician: [illegible] Bag I.D. No.: UR 139

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: [illegible]

Sample Location: Grid 5 Sampler Number: _____

Sample Type: Ambient Air (ISS) /LFG /Probes /Head Space

Program Start Date: 6/11/92 Time: 7:21
Program Stop Date: _____ Time: 7:40

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: .8 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/10/92
Start Time: 15:40 Completion Time: 15:42

Technician: R. Johnson Bag I.D. No.: VR172

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: [illegible]

Sample Location: Grid 87 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 6/11/92 Time: 8:00
Program Stop Date: _____ Time: 8:25

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 2.0 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/9/92
Start Time: 1130 Completion Time: 1230

Technician: CW Bag I.D. No.: UR181

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: CW

Sample Location: Grid 8 Sampler Number: _____

Sample Type: Ambient Air /ISS (✓)/LFG /Probes /Head Space

Program Start Date: 6/11/92 Time: 8:25
Program Stop Date: _____ Time: 8:50

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: .8 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/9/92
Start Time: 11:30 Completion Time: 1230

Technician: CW Bag I.D. No.: UR122

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid #9 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 6/11/92 Time: 8:55
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 10 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/9/92
Start Time: 1130 Completion Time: 1230

Technician: CW Bag I.D. No.: UR154

Visual Condition of Bag: Ok

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid 10 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 6/10/92 Time: 7:29
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/9/92
Start Time: 1130 Completion Time: 1230

Technician: [illegible] Bag I.D. No.: UR187

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid 11 Sampler Number: _____

Sample Type: Ambient Air (/ISS) /LFG /Probes /Head Space

Program Start Date: 6/10/92 Time: 7:55
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/9/92
Start Time: 11:30 Completion Time: 12:30

Technician: CW Bag I.D. No.: VR155

Visual Condition of Bag: Ok

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes ( ) No (✓)

Field Information

Personnel: R. Johnson

Sample Location: Grid #12 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 6/10/92 Time: 0840
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: Ø Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/9/92
Start Time: 1130 Completion Time: 1230

Technician: Wilson Bag I.D. No.: 6R110

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid # 13 Sampler Number: _____

Sample Type: Ambient Air /SS /LFG /Probes /Head Space

Program Start Date: 6/10/92 Time: 09:07
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/10/92
Start Time: 1538 Completion Time: 1540

Technician: R. Johnson Bag I.D. No.: UR183

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid #14 Sampler Number: _____

Sample Type: Ambient Air (/ISS) /LFG /Probes /Head Space

Program Start Date: 6/11/92 Time: 7:25
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/10/92
Start Time: 15:36 Completion Time: 15:38

Technician: R. Johnson Bag I.D. No.: VR150

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Grid 15 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 6/11/92 Time: 08:27
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 1.0 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/10/92
Start Time: 15:33 Completion Time: 15:35

Technician: R Johnson Bag I.D. No.: VRW52

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: R. Johnson

Sample Location: Cell #16 Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 6/11/92 Time: 8:00
Program Stop Date: _____ Time: _____

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 1.0 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/10/92
Start Time: 15:31 Completion Time: 15:33

Technician: R. Johnson Bag I.D. No.: VR182

Visual Condition of Bag: Good

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: [illegible]

Sample Location: Grid 9N Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: _____ Time: 9:10
Program Stop Date: _____ Time: 9:35

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 0 Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/15/92
Start Time: 7:50 Completion Time: 7:55

Technician: CW Bag I.D. No.: 134

Visual Condition of Bag: OK

Bag Leak Test: Pass (✓) ~~Fail~~ ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) ~~No~~ ( )

Bag Valve Shut Off: Yes (✓) ~~No~~ ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: CW

Sample Location: Grid 18 Sampler Number: _____

Sample Type: Ambient Air (ISS) /LFG /Probes /Head Space

Program Start Date: 6/15/92 Time: 8:00
Program Stop Date: _____ Time: 8:25

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: 1.0 Methane
_____ Other (Specify) _____

Observations: _____

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/9/92
Start Time: 11:40 Completion Time: 12:00

Technician: Wilson Bag I.D. No.: R 200

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: C. Wilson

Sample Location: DW224 Dup Sampler Number: _____

Sample Type: (Ambient Air) /ISS /LFG /Probes /Head Space

Program Start Date: 6/17/92 Time: 10:00
Program Stop Date: 6/17/92 Time: 6:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/9/92
Start Time: 11:40 Completion Time: 12:00

Technician: Wilson Bag I.D. No.: VR201

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes ( ) No (✓)

Field Information

Personnel: C. Wilson

Sample Location: DW 24hrs Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 6/16/92 Time: 10:00
Program Stop Date: 6/17/92 Time: 10:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/9/92
Start Time: 11:40 Completion Time: 12:00

Technician: Wilson Bag I.D. No.: VR202

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: C. Wilson

Sample Location: VW 24hrs Sampler Number: _____

Sample Type: (Ambient Air) /ISS /LFG /Probes /Head Space

Program Start Date: 6/17/92 Time: 0:00
Program Stop Date: 6/17/92 Time: 06:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/9/92
Start Time: 11:40 Completion Time: 12:00

Technician: Wilson Bag I.D. No.: VR204

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) ~~No~~ ( )

Bag Stored & Checklist Completed: Yes (✓) ~~No~~ ( )

Field Information

Personnel: CW

Sample Location: DW224hrs Sampler Number: _____

Sample Type: Ambient Air /ISS /LFG /Probes /Head Space

Program Start Date: 6/17/92 Time: 0:00
Program Stop Date: 6/17/92 Time: 6:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

A Waste Management Company

WMNA – EMD
TEDLAR BAG PURGING/INSPECTION/& FIELD DATA SHEET

Site: 234 Date: 6/9/92
Start Time: 11:40 Completion Time: 2:00

Technician: Wilson Bag I.D. No. VL203

Visual Condition of Bag: New

Bag Leak Test: Pass (✓) Fail ( )

Bag Filled & Emptied 3 Times With Nitrogen: Yes (✓) No ( )

Bag Valve Shut Off: Yes (✓) No ( )

Bag Stored & Checklist Completed: Yes (✓) No ( )

Field Information

Personnel: DW

Sample Location: UW 24 hrs Sampler Number: _____

Sample Type: (Ambient Air) /ISS /LFG /Probes /Head Space

Program Start Date: 6/16/92 Time: 10:00
Program Stop Date: 6/17/92 Time: 10:00

Program Timer Setting: _____ Actual Time: _____

Rotometer Setting Start: _____ Stop: _____

Field Readings: _____ Methane
_____ Other (Specify) _____

Observations: _____

APPENDIX E

LABORATORY RESULTS AND QA/QC SUMMARY

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

RECEIVED
JUN 07 1992
VALLEY RECLAMATION

June 24, 1992

LTR/221/92
8000

John Mays
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No.: 8146351-01

Dear John:

Please find enclosed the laboratory analysis reports, quality assurance summaries, and the original chain-of-custody forms for seven Tedlar bag samples received on June 16, & 17, 1992.

The samples were analyzed for SCAQMD Rule 1150.1 components, permanent gases, methane, and total gaseous non-methane organics.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/krp

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 Components Analysis in Tedlar Bag Samples

Report Date: June 23, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: June 16, 1992
Date Analyzed: June 16, & 17, 1992

AtmAA Lab No.:	91682-1	91682-2
Sample I.D.:	VR107 LFG	VR137 Probe E11S
Components:	(Concentration in %, v/v)	
Nitrogen	20.9	59.0
Oxygen	1.91	1.22
Methane	39.0	18.4
Carbon Dioxide	37.7	20.7
	(Concentration in ppm, v/v)	
TGNMO	4470	85.4
	(Concentration in ppb, v/v)	
Acetonitrile	13.7	<0.8
Benzene	2070	<1
Benzylchloride	<10	<0.8
Chlorobenzene	876	<1
Dichlorobenzenes*	204	7.05
1,1-dichloroethane	3440	<40
1,2-dichloroethane	384	<20
1,1-dichloroethylene	14.3	<5
Dichloromethane	6330	<60
Perchloroethene	11100	17.1
Carbon Tetrachloride	<5	<5
Toluene	47200	36.8
1,1,1-trichloroethane	169	1.65
Trichloroethene	5180	5.56
Chloroform	4.59	2.63
Vinyl Chloride	1890	566
m + p-xylenes	20900	35.8
o-xylene	5840	13.5

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.: 8146351-01
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	VR137	59.1	58.9	59.0	0.17
Oxygen	VR137	1.22	1.22	1.22	0.0
Methane	VR107	38.9	39.2	39.0	0.38
	VR137	18.3	18.5	18.4	0.54
Carbon Dioxide	VR107	37.8	37.7	37.7	0.13
	VR137	20.8	20.7	20.7	0.24
		(Concentration in ppm, v/v)			
TGNMO	VR107	4350	4590	4470	2.7
	VR137	88.1	82.6	85.4	3.2
		(Concentration in ppb, v/v)			
Acetonitrile	VR107	13.4	14.1	13.7	2.5
Benzene	VR107	2050	2090	2070	0.97
Benzylchloride	VR107	< 10	< 10	---	---
Chlorobenzene	VR107	886	866	876	1.1
Dichlorobenzenes*	VR107	202	207	204	1.2
1,1-dichloroethane	VR107	3480	3400	3440	1.2
1,2-dichloroethane	VR107	401	368	384	4.3
1,1-dichloroethylene	VR107	13.7	15.0	14.3	4.5
Dichloromethane	VR107	6390	6270	6330	0.95
Perchloroethene	VR107	11700	10500	11100	5.4
	VR137	16.3	17.9	17.1	4.7
Carbon Tetrachloride	VR107	< 5	< 5	---	---

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	VR107	46900	47500	47200	0.63
1,1,1-trichloroethane	VR107	170	168	169	0.59
Trichloroethene	VR107	5120	5250	5180	1.2
Chloroform	VR107	5.18	4.01	4.59	13
Vinyl Chloride	VR107	1880	1910	1890	0.79
m + p-xylenes	VR107	20800	21100	20900	0.72
o-xylene	VR107	5780	5900	5840	1.0

A set of 2 Tedlar bag samples, laboratory numbers 91682-(1 & 2) was analyzed for SCAQMD Rule 1150.1 components, 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 25 repeat measurements from the sample set of 2 Tedlar bag samples is 2.1%.

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: June 23, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill

Date Received: June 16, 1992
Date Analyzed: June 17, 1992

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)
91682-1	VR107	45.3	47.7

Michael L. Porter
Laboratory Director

CHAIN OF CUSTODY RECORD

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

Site/Facility # Bradley / 234

Site Name Bradley Landfill

Sampler: (Signature) Cozetta Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	TGNMO	Methane	Permanent	H_2S		40% CH4	15% CH4		Field Comments	Lab* Comments
				Analyses						Field Testing				
VR107	6/15/92	3:30	LFG	X	X		X	X		X				91682-1
VR137	6/15/92	4:00	Gas Probe # E11S	X	X	X	X				X			91682-2

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Cozetta Wilson	6/15/92	9:00			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[illegible]	6/16/92	9:00

* 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

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environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: June 24, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: June 17, 1992
Date Analyzed: June 17, & 18, 1992

AtmAA Lab No.:	91692-30	91692-31	91692-32	91692-33	91692-34
Sample I.D.:	VR203	VR204	VR202	VR201	VR200
	A.A. U.W.	A.A. D.W.	A.A. U.W.	A.A. D.W.	A.A. D.W.
	24hrs.	<24hrs.	<24hrs.	24hrs.	<24hrsDup.
Components:	(Concentration in ppm, v/v)				
Methane	4.39	6.15	2.24	2.32	5.95
TGNMO	3.99	3.93	3.20	3.41	3.26
	(Concentration in ppb, v/v)				
Acetonitrile	<0.8	<0.8	<0.8	<0.8	<0.8
Benzene	2.83	3.36	3.04	2.33	3.32
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	<0.2	<0.2	<0.2	<0.2	<0.2
Dichloromethane	0.63	0.61	0.59	0.62	0.55
Perchloroethene	0.34	0.27	0.25	0.33	0.26
Carbon Tetrachloride	0.12	0.11	0.12	0.11	0.11
Toluene	6.42	7.04	6.68	5.22	6.84
1,1,1-trichloroethane	3.68	2.37	1.98	3.36	2.31
Trichloroethene	0.091	0.077	<0.06	0.093	0.078
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	2.77	3.81	3.62	2.12	3.77
o-xylene	1.84	1.66	1.76	1.38	1.90

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.: 8146351-01
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	VR200	5.95	5.95	5.95	0.0
TGNMO	VR200	3.12	3.41	3.26	4.4
		(Concentration in ppb, v/v)			
Acetonitrile	VR204	<0.8	<0.8	---	---
Benzene	VR204	3.46	3.26	3.36	3.0
	VR200	3.30	3.33	3.32	0.45
Benzylchloride	VR202	<0.8	<0.8	---	---
Chlorobenzene	VR204	<0.1	<0.1	---	---
	VR200	<0.1	<0.1	---	---
Dichlorobenzenes*	VR202	<1.1	<1.1	---	---
1,1-dichloroethane	VR200	<0.4	<0.4	---	---
1,2-dichloroethane	VR200	<0.2	<0.2	---	---
1,1-dichloroethylene	VR202	<0.2	<0.2	---	---
Dichloromethane	VR202	0.58	0.60	0.59	1.7
Perchloroethene	VR203	0.34	0.35	0.34	1.4
Carbon Tetrachloride	VR203	0.12	0.11	0.12	4.3
Toluene	VR204	7.16	6.91	7.04	1.8
	VR200	6.90	6.79	6.84	0.80
1,1,1-trichloroethane	VR203	3.69	3.68	3.68	0.14
Trichloroethene	VR203	0.088	0.094	0.091	3.3

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	VR203	< 0.08	< 0.08	---	---
Vinyl Chloride	VR202	< 0.1	< 0.1	---	---
m + p-xylenes	VR204	3.68	3.94	3.81	3.4
	VR200	3.79	3.75	3.77	0.53
o-xylene	VR204	1.55	1.78	1.66	6.9
	VR200	1.90	1.90	1.90	0.0

A set of 5 Tedlar bag samples, laboratory numbers 91692-(30-34) was analyzed for SCAQMD Rule 1150.1 components, 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 15 repeat measurements from the sample set of 5 Tedlar bag samples is 2.1%.

CHAIN OF CUSTODY RECORD

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

Site/Facility # 234

Site Name Bradley Landfill

Sampler: (Signature) Cozetta Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	Methane	TGNMO							Field Comments	Lab* Comments
VR203	6/16/92	10:00	A.A UW24hrs	X	X	X								91692-30
VR204	6/17/92	00:00	A.A. DW <24hrs	X	X	X								-31
VR202	6/17/92	00:00	A.A. UW<24hrs	X	X	X								-32
VR201	6/16/92	10:00	A.A. DW 24hrs	X	X	X								-33
VR200	6/17/92	00:00	A.A. DW<24hrs Dup.	X	X	X								-34

Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
Cozetta Wilson	6/17/92	11:00			
Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
Relinquished by: (*Signature*)	Date	Time	Received for Laboratory: (*Signature*)	Date	Time
			Karen Porter	6/17/92	11:00

* 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

CHAIN OF CUSTODY RECORD

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

Site/Facility # Bradley 1234

Site Name Bradley Landfill

Sampler: (Signature) Loretta Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	TGNMO	Methane	Permanent	H_2S		40% CH_4	15% CH_4		Field Comments	Lab* Comments
				Analyses						Field Testing				
VR107	6/15/92	3:20	LFG	X	X		X	X		X				
VR137	6/15/92	4:00	Gas Probe #E118	X	X	X	X				X			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Loretta Wilson	6/16/92	9:00			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[illegible]	6/16/92	9:00

*-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

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CHAIN OF CUSTODY RECORD

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

Site/Facility # 234

Site Name Bradley Landfill

Sampler: (Signature) Cozetta Wilson

Bag Identification Number	Date	Time	Type Of Sample	7450.1 Toxics	Methane	TGNMO							Field Comments	Lab* Comments
VR203	6/16/92	10:00	A.A UW24hrs	X	X	X								
VR204	6/17/92	00:00	A.A. DW <24hrs	X	X	X								
VR202	6/17/92	00:00	A.A. UW<24hrs	X	X	X								
VR201	6/16/92	10:00	A.A. DW 24hrs	X	X	X								
VR200	6/17/92	00:00	A.A. DW<24hrs Dup.	X	X	X								

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Cozetta Wilson	6/17/92	11:00			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			Karen Porter	6/17/92	11:00

* 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

SAMPLERS COPY

CHAIN OF CUSTODY RECORD

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

Site/Facility # 234

Site Name Bradley Landfill

Sampler: (Signature) (illegible)

Bag Identification Number	Date	Time	Type Of Sample	11501 Air Toxics	TGNMO	CH4					1.0 Ppm CO		Field Comments	Lab* Comments
VR 122	6/11/92	8:55	JSSGrid 9	X	X	X					X			
VR 172	6/11/92	8:00	JSSGrid 7	X	X	X						X		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Cynthia Wilson	6/11/92	12:30			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[illegible]	6/11/92	[illegible]

* 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

SAMPLERS COPY

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laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: June 1, 1992
P.O. No.: 814635-01
Site: Bradley Landfill
Date Received: May 28, 1992
Date Analyzed: May 29, & 30, 1992

AtmAA Lab No.:	91492-16	91492-17
Sample I.D.:	VR167	VR169
	ISS	ISS
	Grid #14	Grid #10
Components:	(Concentration in ppm, v/v)	
Methane	2.67	2.19
TGNMO	2.95	2.63
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	2.32	2.32
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	0.10
Dichloromethane	2.93	1.38
Perchloroethene	0.41	0.44
Carbon Tetrachloride	0.11	0.11
Toluene	6.30	4.65
1,1,1-trichloroethane	6.29	5.92
Trichloroethene	0.12	0.061
Chloroform	<0.08	<0.08
Vinyl Chloride	<0.1	<0.1
m + p-xylenes	3.16	1.98
o-xylene	1.58	1.16

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.: 814635-01
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	VR167	2.70	2.64	2.67	1.1
TGNMO	VR167	2.76	3.14	2.95	6.4
		(Concentration in ppb, v/v)			
Acetonitrile	VR169	<0.8	<0.8	---	---
Benzene	VR167	2.32	2.32	2.32	0.0
Benzylchloride	VR167	<0.8	<0.8	---	---
Chlorobenzene	VR167	<0.1	<0.1	---	---
Dichlorobenzenes*	VR167	<1.1	<1.1	---	---
1,1-dichloroethane	VR167	<0.4	<0.4	---	---
1,2-dichloroethane	VR167	<0.2	<0.2	---	---
1,1-dichloroethylene	VR167	<0.1	<0.1	---	---
Dichloromethane	VR167	2.92	2.94	2.93	0.34
Perchloroethene	VR169	0.45	0.44	0.44	1.1
Carbon Tetrachloride	VR169	0.11	0.11	0.11	0.0
Toluene	VR167	6.28	6.31	6.30	0.24
1,1,1-trichloroethane	VR169	5.94	5.91	5.92	0.25
Trichloroethene	VR169	0.061	<0.06	---	---
Chloroform	VR169	<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	VR167	<0.1	0.11	---	---
m + p-xylenes	VR167	3.17	3.16	3.16	0.16
o-xylene	No Repeat				

A set of 2 Tedlar bag samples, laboratory numbers 91492-(16 & 17) 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 9 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.**		**No.**

Site/Facility # 234

Site Name Bradley Landfill

Sampler: (Signature)

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Air Toxics	TGNMO	CH_4				CH_4 - ppm			Field Comments	Lab* Comments
				Analyses						Field Testing				
VR167	5/27/92	09:40	ISS Grid #14	✓	✓	✓				2.9			91492-16	
VR169	5/27/92	09:00	ISS Grid #10	✓	✓	✓				2.7			-17	

Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
	5/28/92	5:17			
Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
Relinquished by: (*Signature*)	Date	Time	Received for Laboratory: (*Signature*)	Date	Time
				5/28/92	5:17

* 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

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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: June 15, 1992
P.O. No.: 814635-01
Site: Bradley Landfill
Date Received: June 11, 1992
Date Analyzed: June 11, & 12, 1992

AtmAA Lab No.:	91632-22	91632-23
Sample I.D.:	VR122 ISS Grid 9	VR172 ISS Grid 7
Components:	(Concentration in ppm, v/v)	
Methane	3.39	4.22
TGNMO	3.10	2.84
	(Concentration in ppb, v/v)	
Acetonitrile	<0.8	<0.8
Benzene	1.25	1.48
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	0.86	0.97
Perchloroethene	0.18	0.24
Carbon Tetrachloride	0.10	0.098
Toluene	2.62	3.03
1,1,1-trichloroethane	2.43	2.00
Trichloroethene	0.072	0.073
Chloroform	<0.08	<0.08
Vinyl Chloride	<0.1	<0.1
m + p-xylenes	1.24	2.21
o-xylene	1.23	1.32

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.: 814635-01
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	VR172	4.21	4.23	4.22	0.24
TGNMO	VR172	2.94	2.74	2.84	3.5
		(Concentration in ppb, v/v)			
Acetonitrile	VR122	<0.8	<0.8	---	---
Benzene	VR122	1.29	1.21	1.25	3.2
Benzylchloride	VR172	<0.8	<0.8	---	---
Chlorobenzene	VR122	<0.1	<0.1	---	---
Dichlorobenzenes*	VR172	<1.1	<1.1	---	---
1,1-dichloroethane	VR122	<0.4	<0.4	---	---
	VR172	<0.4	<0.4	---	---
1,2-dichloroethane	VR122	<0.2	<0.2	---	---
	VR172	<0.2	<0.2	---	---
1,1-dichloroethylene	VR122	<0.1	<0.1	---	---
Dichloromethane	VR172	0.84	0.88	0.86	2.3
Perchloroethene	VR122	0.18	0.19	0.18	2.7
	VR172	0.24	0.23	0.24	2.1
Carbon Tetrachloride	VR122	0.11	0.10	0.10	4.8
	VR172	0.10	0.096	0.098	2.0
Toluene	VR122	2.74	2.49	2.62	4.8

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	VR122	2.40	2.46	2.43	1.2
	VR172	2.00	2.00	2.00	0.0
Trichloroethene	VR122	0.072	< 0.06	---	---
	VR172	0.080	0.066	0.073	9.6
Chloroform	VR122	< 0.08	< 0.08	---	---
	VR172	< 0.08	< 0.08	---	---
Vinyl Chloride	VR122	< 0.1	< 0.1	---	---
m + p-xylenes	VR122	1.33	1.15	1.24	7.2
o-xylene	VR122	1.32	1.14	1.23	7.3

A set of 2 Tedlar bag samples, laboratory numbers 91632-(22 & 23) was analyzed for SCAQMD Rule 1150.1 components, 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 14 repeat measurements from the sample set of 2 Tedlar bag samples is 3.6%.

CHAIN OF CUSTODY RECORD

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

Site/Facility # 234

Site Name Bradley Landfill

Sampler: (Signature) CW

Bag Identification Number	Date	Time	Type Of Sample	Analyses: Air 1150.1 Toxics	Analyses: TGNMO	Analyses: CH4	Analyses:	Analyses:	Analyses:	Field Testing:	Field Testing: 1.0 ppm CH4	Field Testing: 2.0 ppm CH4	Field Comments	Lab* Comments AtmAA #
VR 122	6/11/92	8:55	ISS Grid 9	X	X	X					X			91632-22
VR 172	6/11/92	8:00	ISS Grid 7	X	X	X						X		91632-23

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Cynthia Wilson	6/11/92	12:30			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			Karen Porter	6/11/92	12:30

* 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

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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Samples

Report Date: June 2, 1992
P.O. No.: 814635-01
Site: Bradley Landfill
Date Received: May 29, 1992
Date Analyzed: May 29, & 30, 1992

AtmAA Lab No.:	91502-14	91502-15	91502-16	91502-17	91502-18
Sample I.D.:	VR190	VR189	VR192	VR188	VR191
	A.A. D.W.	A.A. U.W.	A.A. U.W.	A.A. D.W.	A.A. D.W.
	< 24 hr.	24 hr.	< 24 hr.	< 24 hr. Dup	24 hr.
Components:	(Concentration in ppm, v/v)				
Methane	3.40	3.72	2.14	3.38	2.01
TGNMO	3.06	3.50	3.30	3.29	3.31
	(Concentration in ppb, v/v)				
Acetonitrile	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Benzene	1.22	1.68	1.18	1.26	1.62
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	0.34	0.48	0.55	0.31	0.88
Perchloroethene	0.22	0.27	0.20	0.17	0.32
Carbon Tetrachloride	0.11	0.11	0.11	0.11	0.10
Toluene	2.28	3.26	2.29	2.48	3.70
1,1,1-trichloroethane	1.68	3.20	1.88	1.87	3.18
Trichloroethene	0.065	< 0.06	0.061	< 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	0.90	1.39	0.88	0.98	1.30
o-xylene	0.53	0.78	0.46	0.60	0.72

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.: 814635-01
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	VR190	3.39	3.40	3.40	0.15
TGNMO	VR190	2.87	3.24	3.06	6.0
		(Concentration in ppb, v/v)			
Acetonitrile	VR189	<0.8	<0.8	---	---
Benzene	VR191	1.62	1.63	1.62	0.31
Benzylchloride	VR191	<0.8	<0.8	---	---
Chlorobenzene	VR191	<0.1	<0.1	---	---
Dichlorobenzenes*	VR191	<1.1	<1.1	---	---
1,1-dichloroethane	VR191	<0.4	<0.4	---	---
1,2-dichloroethane	VR191	<0.2	<0.2	---	---
1,1-dichloroethylene	VR189	<0.1	<0.1	---	---
Dichloromethane	VR189	0.50	0.46	0.48	4.2
	VR191	0.86	0.89	0.88	1.7
Perchloroethene	VR191	0.32	0.32	0.32	0.0
Carbon Tetrachloride	VR191	0.10	0.11	0.10	4.8
Toluene	VR191	3.69	3.71	3.70	0.27
1,1,1-trichloroethane	VR191	3.19	3.17	3.18	0.31
Trichloroethene	VR191	<0.06	<0.06	---	---
Chloroform	VR191	<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	VR189	< 0.1	< 0.1	---	---
m + p-xylenes	VR191	1.29	1.31	1.30	0.77
o-xylene	VR191	0.72	0.72	0.72	0.0

A set of 5 Tedlar bag samples, laboratory numbers 91502-(14-18) was analyzed for SCAQMD Rule 1150.1 components, 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 1.7%.

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA Environmental Mgmt. Dept.	Atm. AA. Inc.	No.

Site/Facility # 234

Site Name Bradley Landfill

Sampler: (Signature)

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Air Toxics	Methane	TGNMO							Field Comments	Lab* Comments
VR190	5/29/92	10:00	AA DW <24hr	✓	✓	✓		91502		-14				
VR189	5/29/92	10:00	AA UW 24hr	✓	✓	✓				-15				
VR192	5/29/92	10:00	AA UW <24hr	✓	✓	✓				-16				
VR188	5/29/92	10:00	AA DW <24hr Dup	✓	✓	✓				-17				
VR191 VR191	5/29/92	10:00	AA DW 24hr	✓	✓	✓				-18				

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Cozette Wilson	5/29/92	11:30			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[illegible]	5/29/92	11:30

* 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

RECEIVED
JUN 1 1992
VALLEY RECLAMATION

AtmAA Inc.
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laboratory services

May 27, 1992

LTR/184/92
8000

John Mays
Valley Reclamation
9188 Glenoaks Blvd.
Sun Valley, CA 91352

re: CSA No.: 8146351-01

Dear John:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain-of-custody form for two Tedlar bag samples received on May 18, 1992.

The samples were analyzed for SCAQMD 1150.1 contaminants, permanent gases and total gaseous non-methane organics (TGNMO).

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/kp

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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date: April 22, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: April 16, 1992
Date Analyzed: April 17, & 18, 1992

AtmAA Lab No.:	91072-30	91072-31	91072-32	91072-33	91072-34
Sample I.D.:	VR179 DW <24hr DUP.	VR180 DW <24hrs.	VR168 Grid 13	VR181 Up Wind 24 hrs.	VR172 Grid 14
Components:		(Concentration in %, v/v)			
Nitrogen			79.4		79.4
Oxygen			22.3		22.0
		(Concentration in ppm, v/v)			
Methane	3.31	2.97	2.62	3.35	2.35
Carbon Dioxide			410		396
TGNMO	3.44	4.67	4.83	5.90	4.90
		(Concentration in ppb, v/v)			
Acetonitrile	<0.8	<0.8	1.15	<0.8	1.83
Benzene	1.87	1.88	1.31	1.63	1.34
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	0.45	0.35	2.68	0.47	4.15
Perchloroethene	0.24	0.17	0.12	0.23	0.26
Carbon Tetrachloride	0.11	0.11	0.11	0.11	0.10
Toluene	4.16	3.88	2.84	3.64	3.52
1,1,1-trichloroethane	1.08	0.99	4.04	2.57	4.77
Trichloroethene	0.13	0.099	0.10	0.072	0.12
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	1.42	1.44	0.91	1.08	1.09
o-xylene	0.66	0.66	0.43	0.60	0.44

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.

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date:	April 22, 1992
P.O. No.:	8146351-01
Site:	Bradley Landfill
Date Received:	April 16, 1992
Date Analyzed:	April 17, & 18, 1992

AtmAA Lab No.:	91072-35	91072-36
Sample I.D.:	VR182	VR183
	Up Wind	DW
	< 24hrs.	24hrs.
Components:	(Concentration in ppm, v/v)	
Methane	1.97	2.02
TGNMO	5.53	5.80
	(Concentration in ppb, v/v)	
Acetonitrile	< 0.8	< 0.8
Benzene	1.54	1.30
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	0.33	0.62
Perchloroethene	0.13	0.19
Carbon Tetrachloride	0.10	0.11
Toluene	3.40	3.18
1,1,1-trichloroethane	0.97	2.69
Trichloroethene	0.079	0.098
Chloroform	< 0.08	< 0.08
Vinyl Chloride	< 0.1	< 0.1
m + p-xylenes	1.00	0.80
o-xylene	0.60	0.52

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.: 8146351-01
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)			
Nitrogen	VR172	79.7	79.0	79.4	0.44
Oxygen	VR172	22.0	22.1	22.0	0.23
		(Concentration in ppm, v/v)			
Methane	VR168	2.59	2.65	2.62	1.1
	VR172	2.34	2.36	2.35	0.42
Carbon Dioxide	VR172	396	396	396	0.0
TGNMO	VR172	4.78	5.02	4.90	2.4
		(Concentration in ppb, v/v)			
Acetonitrile	VR168	1.14	1.16	1.15	0.87
	VR172	1.82	1.84	1.83	0.55
Benzene	VR180	1.88	1.88	1.88	0.0
	VR181	1.64	1.62	1.63	0.61
Benzylchloride	VR172	<0.8	<0.8	---	---
Chlorobenzene	VR180	<0.1	<0.1	---	---
	VR181	<0.1	<0.1	---	---
	VR172	<0.1	<0.1	---	---
Dichlorobenzenes*	VR172	<1.1	<1.1	---	---
1,1-dichloroethane	VR172	<0.4	<0.4	---	---
1,2-dichloroethane	VR172	<0.2	<0.2	---	---
1,1-dichloroethylene	VR179	<0.1	<0.1	---	---
Dichloromethane	VR172	4.12	4.18	4.15	0.72
Perchloroethene	VR168	0.12	0.12	0.12	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	VR168	0.10	0.12	0.11	9.1
Toluene	VR179	4.06	4.27	4.16	2.5
	VR180	3.87	3.88	3.88	0.13
	VR181	3.61	3.67	3.64	0.82
	VR172	3.48	3.56	3.52	1.1
1,1,1-trichloroethane	VR168	4.03	4.06	4.04	0.37
Trichloroethene	VR168	0.11	0.094	0.10	7.8
Chloroform	VR168	<0.08	<0.08	---	---
Vinyl Chloride	VR179	<0.1	<0.1	---	---
m + p-xylenes	VR179	1.40	1.43	1.42	1.1
	VR181	1.09	1.06	1.08	1.4
	VR172	1.09	1.09	1.09	0.0
o-xylene	VR179	0.65	0.67	0.66	1.5
	VR180	0.66	0.66	0.66	0.0
	VR181	0.59	0.60	0.60	0.84
	VR172	0.40	0.48	0.44	9.1

A set of 7 Tedlar bag samples, laboratory numbers 91072-(30-36) was analyzed for SCAQMD 1150.1 components, permanent gases, 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 26 repeat measurements from the sample set of 7 Tedlar bag samples is 1.6%.

CHAIN OF CUSTODY RECORD

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

Site / Facility# 234

Site Name Bradley Landfill

Sampler: (Signature) C. Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	Methane	TGNMC	Permanent Gases				Field Comments	Lab* Comments
VR 179	4/16/92	00:00	DW<24 hrs Dup	X	X	X		910-72-	30			
VR 180	4/16/92	00:00	DW <24hrs	X	X	X			-31			
VR 168	4/16/92	7:56	Grid 13	X	X	X	X		-32			
VR 181	4/15/92	00:00	UPWind 24hrs	X	X	X			-33			
VR 172	4/16	8:23	Grid 14	X	X	X	X		-34			
VR 182	4/16/92	00:00	UPWind <24hrs	X	X	X			-35			
VR 183	4/15/92	10:00	DW 24 hrs	X	X	X			-36			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/16/92	5:22			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			Kaur Porter	4/16/92	5:22

* 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	
WMNA Environmental Mgmt. Dept.	ATMAA Inc	No.

Site / Facility# 234

Site Name Brile Landfill

Sampler: (Signature) C. Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Tox	Methane	TGNMO	Permanent Gas						Field Comments	Lab* Comments
VR 179	4/15/92	00 00	DW <24 hrs Dup	X	X	X								
VR 180	4/16/92	0000	DW <24 hrs	X	X	X								
VR 168	4/16/92	7:56	Grid 13	X	X	X	X							
VR 181	4/15/92	00:00	UPWind 24 hrs	X	X	X	X							
VR 172	4/16	8:23	Grid 14	X	X	X	X							
VR 182	4/16/92	00:00	UPWind <24 hrs	X	X	X								
VR 183	4/15/92	10:00	DW 24 hrs	X	X	X								

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/16/92	5:22			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
			Kaur Porter	4/16/92	5:22

* 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

SAMPLERS COPY

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Contaminants Analysis in Tedlar Bag Samples

Report Date:	April 22, 1992
P.O. No.:	8146351-01
Site:	Bradley Landfill
Date Received:	April 16, 1992
Date Analyzed:	April 17, & 18, 1992

AtmAA Lab No.:	91072-35	91072-36
Sample I.D.:	VR182	VR183
	Up Wind	DW
	< 24hrs.	24hrs.
Components:	(Concentration in ppm, v/v)	
Methane	1.97	2.02
TGNMO	5.53	5.80
	(Concentration in ppb, v/v)	
Acetonitrile	< 0.8	< 0.8
Benzene	1.54	1.30
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	0.33	0.62
Perchloroethene	0.13	0.19
Carbon Tetrachloride	0.10	0.11
Toluene	3.40	3.18
1,1,1-trichloroethane	0.97	2.69
Trichloroethene	0.079	0.098
Chloroform	< 0.08	< 0.08
Vinyl Chloride	< 0.1	< 0.1
m + p-xylenes	1.00	0.80
o-xylene	0.60	0.52

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.: 8146351-01
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)			
Nitrogen	VR172	79.7	79.0	79.4	0.44
Oxygen	VR172	22.0	22.1	22.0	0.23
		(Concentration in ppm, v/v)			
Methane	VR168	2.59	2.65	2.62	1.1
	VR172	2.34	2.36	2.35	0.42
Carbon Dioxide	VR172	396	396	396	0.0
TGNMO	VR172	4.78	5.02	4.90	2.4
		(Concentration in ppb, v/v)			
Acetonitrile	VR168	1.14	1.16	1.15	0.87
	VR172	1.82	1.84	1.83	0.55
Benzene	VR180	1.88	1.88	1.88	0.0
	VR181	1.64	1.62	1.63	0.61
Benzylchloride	VR172	<0.8	<0.8	---	---
Chlorobenzene	VR180	<0.1	<0.1	---	---
	VR181	<0.1	<0.1	---	---
	VR172	<0.1	<0.1	---	---
Dichlorobenzenes*	VR172	<1.1	<1.1	---	---
1,1-dichloroethane	VR172	<0.4	<0.4	---	---
1,2-dichloroethane	VR172	<0.2	<0.2	---	---
1,1-dichloroethylene	VR179	<0.1	<0.1	---	---
Dichloromethane	VR172	4.12	4.18	4.15	0.72
Perchloroethene	VR168	0.12	0.12	0.12	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	VR168	0.10	0.12	0.11	9.1
Toluene	VR179	4.06	4.27	4.16	2.5
	VR180	3.87	3.88	3.88	0.13
	VR181	3.61	3.67	3.64	0.82
	VR172	3.48	3.56	3.52	1.1
1,1,1-trichloroethane	VR168	4.03	4.06	4.04	0.37
Trichloroethene	VR168	0.11	0.094	0.10	7.8
Chloroform	VR168	<0.08	<0.08	---	---
Vinyl Chloride	VR179	<0.1	<0.1	---	---
m + p-xylenes	VR179	1.40	1.43	1.42	1.1
	VR181	1.09	1.06	1.08	1.4
	VR172	1.09	1.09	1.09	0.0
o-xylene	VR179	0.65	0.67	0.66	1.5
	VR180	0.66	0.66	0.66	0.0
	VR181	0.59	0.60	0.60	0.84
	VR172	0.40	0.48	0.44	9.1

A set of 7 Tedlar bag samples, laboratory numbers 91072-(30-36) was analyzed for SCAQMD 1150.1 components, permanent gases, 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 26 repeat measurements from the sample set of 7 Tedlar bag samples is 1.6%.

CHAIN OF CUSTODY RECORD

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

Site / Facility# 234

Site Name Bradley Landfill

Sampler: (Signature) C. Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxics	Methane	TGNMC	Permanent Gases					Field Comments	Lab* Comments
VR 179	4/16/92	00:00	DW <24 hrs Dup	X	X	X		910-72-		30			
VR 180	4/16/92	00:00	DW <24 hrs	X	X	X			-	31			
VR 168	4/16/92	7:56	Grid 13	X	X	X	X		-	32			
VR 181	4/15/92	00:00	UPWind 24 hrs	X	X	X			-	33			
VR 172	4/16	8:23	Grid 14	X	X	X	X		-	34			
VR 182	4/16/92	00:00	UPWind <24 hrs	X	X	X			-	35			
VR 183	4/15/92	10:00	DW 24 hrs	X	X	X			-	36			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/16/92	5:22			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			Kaur Porter	4/16/92	5:22

* 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	
WMNA Environmental Mgmt. Dept.	ATMAA Inc	No.

Site / Facility# 234

Site Name Brittle Landfill

Sampler: (Signature) C. Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Tank	Methane	TGNMO	Permanent Gases						Field Comments	Lab* Comments
VR 179	4/15/92	00:00	DW <24 hrs	X	X	X								
VR 180	4/16/92	0000	DW <24 hrs	X	X	X								
VR 168	4/16/92	7:56	Grid 13	X	X	X	X							
VR 181	4/15/92	00:00	UPWind 24 hrs	X	X	X								
VR 172	4/16	8:23	Grid 14	X	X	X	X							
VR 182	4/16/92	00:00	UPWind <24 hrs	X	X	X								
VR 183	4/15/92	10:00	DW 24 hrs	X	X	X								

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	4/16/92	5:22			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			Kaur Porter	4/16/92	5:22

* 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

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ALLEY RECLAMATION C

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: May 27, 1992
P.O. No.: 814635-01
Site: Bradley Landfill
Date Received: May 18, 1992
Date Analyzed: May 18, & 20, 1992

AtmAA Lab No.:	91392-11	91392-12
Sample I.D.:	VR175	VR160
	LFG	Probe W2B
Components:	(Concentration in %, v/v)	
Nitrogen	17.0	75.4
Oxygen	1.00	7.12
Methane	41.5	2.52
Carbon Dioxide	39.4	14.1
	(Concentration in ppm, v/v)	
TGNMO	6350	88.0
	(Concentration in ppb, v/v)	
Acetonitrile	18.4	< 0.8
Benzene	2160	27.7
Benzylchloride	< 20	< 20
Chlorobenzene	1570	< 10
Dichlorobenzenes*	607	21.3
1,1-dichloroethane	4030	360
1,2-dichloroethane	336	< 20
1,1-dichloroethylene	418	135
Dichloromethane	8540	< 60
Perchloroethene	12300	526
Carbon Tetrachloride	< 5.5	< 5.5
Toluene	72300	11.3
1,1,1-trichloroethane	404	245
Trichloroethene	4700	103
Chloroform	< 6	< 6
Vinyl Chloride	3690	530
m + p-xylenes	28200	41.3
o-xylene	8280	23.9

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.: 814635-01
Site: Bradley Landfill

Component:	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %, v/v)			
Nitrogen	VR175	16.9	17.0	17.0	0.29
Oxygen	VR175	1.03	0.98	1.00	2.5
Methane	VR175	41.5	41.5	41.5	0.0
Carbon Dioxide	VR175	39.5	39.4	39.4	0.13
		(Concentration in ppm, v/v)			
TGNMO	VR160	85.1	90.9	88.0	3.3
		(Concentration in ppb, v/v)			
Acetonitrile	VR175	17.7	19.0	18.4	3.5
Benzene	VR175	2150	2160	2160	0.23
Benzylchloride	VR175	<20	<20	---	---
Chlorobenzene	VR175	1580	1560	1570	0.64
Dichlorobenzenes*	VR175	611	603	607	0.66
1,1-dichloroethane	VR175	4020	4040	4030	0.25
1,2-dichloroethane	VR175	337	336	336	0.15
1,1-dichloroethylene	VR175	418	417	418	0.12
Dichloromethane	VR175	8520	8570	8540	0.29
Perchloroethene	VR175	12300	12300	12300	0.0
Carbon Tetrachloride	VR175	<5.5	<5.5	---	---
Toluene	VR175	72100	72500	72300	0.28
1,1,1-trichloroethane	VR175	403	405	404	0.25
Trichloroethene	VR175	4700	4700	4700	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)			
Chloroform	VR175	<6	<6	---	---
Vinyl Chloride	VR160	550	511	530	3.7
m+p-xylenes	VR175	28200	28300	28200	0.18
o-xylene	VR175	8270	8300	8280	0.18

A set of 2 Tedlar bag samples, laboratory numbers 91392-(11 & 12) 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 20 repeat measurements from the sample set of 2 Tedlar bag samples is 0.83%.

CHAIN OF CUSTODY RECORD

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

Site/Facility # 235 / Bradley Landfill

Site Name Bradley Landfill

Sampler: (Signature) C. Wilson

Bag Identification Number	Date	Time	Type Of Sample	1150.1 Toxicity	TGNMO	Methane	Permanent Gases	H_2S					Field Comments	Lab* Comments
VR175	5/18/92	14:20	LFG	X	X		X	X		91392-11			42% Clay	
VR160	5/18/92	15:10	Gas Probe E ↗ W2B W2B ↑	X	X	X	X			91392-12				

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Cynthia Wilson	5/18/92	14:30	Brian Tracy	5-18-92	16:31
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

CHAIN OF CUSTODY RECORD

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

Site/Facility # 235 / Brecklin Landfill

Site Name Brecklin Landfill

Sampler: (Signature) C. Wilson

Bag Identification Number	Date	Time	Type Of Sample	Iso. Tox	TGNMO	Methane Permanent	H_2S				Field Comments	Lab* Comments
VR175	5/18/92	14:20	LFG	X	X	X	X				49% CH4	
VR160	5/18/92	15:10	Gas Probe E7	X	X	X	X					
			W2B									

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Crystal Wilson	5/18/92	14:20	[illegible]	5-18-92	16:31
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

SAMPLERS COPY

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	
WMNA Environmental Mgmt. Dept.	Atm. AA. Inc.	No.

Site/Facility # 234

Site Name Bradley Landfill

Sampler: (Signature) [signature]

Bag Identification Number	Date	Time	Type Of Sample	11 so.1 Air Toxics	Methane	TGNMO						Field Comments	Lab* Comments
VR1 [illegible]	5/28/92	00:00	AA DW <24hr										
VR189	5/28/92	10:00	AA UW 24hr	/	/								
VR1 172	5/29/92	00:00	AA UW <24hr	/	/								
VR188	5/29/92	00:00	AA DW <24hr	/	/								
191 VR1 [illegible]	5/29/92	10:00	AA DW 24hr	/	/								

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Loretta Wilson	5/29/92	11:30			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			[signature]	5/29/92	11:30

* 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

SAMPLERS COPY

CHAIN OF CUSTODY RECORD

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

Site/Facility # 234

Site Name Bradley Landfill

Sampler: (Signature)

Bag Identification Number	Date	Time	Type Of Sample	Isom. Air Toxics	TGNMO	CH				CH_4 - ppm			Field Comments	Lab* Comments
VR 167	5/27/92	09:40	TSS Grid # 14							2.9				
VR169	5/27/92	09:00	TSS Grid # 10							2.7				

Analyses | Field Testing

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/27/92	15:17			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
				5/28/92	9:17

* 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

SAMPLERS COPY

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: April 17, 1992
P.O. No.: 8146351-01
Site: Bradley Landfill
Date Received: April 13, 1992
Date Analyzed: April 14, & 15, 1992

AtmAA Lab No.:	91042-16	91042-17
Sample I.D.:	VR095 LFG	VR121 Gas Probe #W7D
Components:	(Concentration in %, v/v)	
Nitrogen	21.6	74.5
Oxygen	2.70	1.23
Methane	39.4	4.03
Carbon Dioxide	37.0	20.5
	(Concentration in ppm, v/v)	
TGNMO	5470	414
	(Concentration in ppb, v/v)	
Acetonitrile	11.7	<2
Benzene	2220	826
Benzylchloride	<10	<10
Chlorobenzene	2650	205
Dichlorobenzenes*	376	48.9
1,1-dichloroethane	2820	7400
1,2-dichloroethane	382	543
1,1-dichloroethylene	376	1200
Dichloromethane	5530	7330
Perchloroethene	14100	10800
Carbon Tetrachloride	<1	<1
Toluene	85800	43.5
1,1,1-trichloroethane	60.8	5760
Trichloroethene	5560	3180
Chloroform	<2	71.1
Vinyl Chloride	2490	2260
m + p-xylenes	31400	83.5
o-xylene	7800	108

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

CHAIN OF CUSTODY RECORD

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

Site / Facility# 234

Site Name Brattle Landfill

Sampler: (Signature) C. Wilson + R. Johnson

Bag Identification Number	Date	Time	Type Of Sample	Toxics	TMO	Methane	Permanent Gases	H_2S	CH_4 %			Field Comments	Lab* Comments
VR095	4/13/99	16:30	LFG	X	X	X	X	X	44				
VR121	4/13/99	16:45	Gas Probe #W20	X	X	X	X	X	4.0				
~~VR~~	~~4/13~~		~~Gas Probe #~~	~~X~~	~~X~~	~~X~~	~~X~~						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Cynthia Wilson	4/13/99	15:35			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			Kaw Roda	4/13/99	5:35

* 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

SAMPLERS COPY

APPENDIX F

PERIMETER PROBE SITE MAP AND WEEKLY GAS PROBE READINGS

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

cc: G.Loughnane
J. Mays
B.Austin
P.Yamamoto
B.Biskeborn
D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before):
BAROMETRIC (after): 30.04

BY: R Johnson DATE: 4/6/92 START TIME: 14:00 FINISH TIME: 15:45

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	12.0	0.07	No	Data						
E-2S	0.0	-0.07								
E-2M	0.0	0.00								
E-2D	1.4	0.06								
E-3	0.0	0.04								
E-4	0.0	0.00								
E-5S	0.0	0.01								
E-5M	0.0	0.05								
E-5D	0.0	0.01								
E-6	0.0	0.01								
E-7	0.0	0.01								
E-8S	0.0	0.00								
E-8M	0.0	0.00								
E-8D	[illegible]	0.00								
E-9	0.0	-0.01								
E-10	0.0	0.00		-						
E-11S	0.0	0.04								
E-11M	0.0	0.00								
E-11D	0.0	0.02								
E-12	0.0	0.08								
E-13	0.0	0.00								
E-14S	0.0	0.03								
E-14M	0.0	0.04								
E-14D	0.0	0.02								

COMMENTS:

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BRADLEY LANDFILL
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B.Austin
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B.Biskeborn
D.Vidal
S.Kilgore
EMD Techs

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APR 08 1992
VALLEY RECLAMATION CO

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): _____
BAROMETRIC (after): 30.04

BY: C Wilson DATE: 4/6/92 START TIME: 1:00 FINISH TIME: 3:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	+0.09								
W-1M	Ø	+0.18								
W-1D	Ø	+0.31								
W-2A	Ø	+0.13								
W-2B	8	+0.14	No	Data						
W-3S	Ø	+0.27								
W-3M	Ø	+0.14								
W-3D	Ø	+0.08								
W-4	Ø	+0.11								
W-5S	Ø	+0.06								
W-5M	Ø	+0.10								
W-5D	Ø	+0.28								
W-6	Ø	+0.09								
W-7S	Ø	+0.03								
W-7M	Ø	+0.21								
W-7D	Ø	+0.00								
W-8	Ø	+0.06								
W-9A	Ø	+0.13								
W-9B	Ø	+0.01								
W-10S	Ø	0.00								
W-10M	6	+0.26								
W-10D	6	0.00								
W-11	Inaccessible									
W-12S	Ø	+0.07								
W-12M	Ø	+0.50								
W-12D	Ø	+0.35								
W-13	Ø	+0.02								
W-14S	Ø	+0.21								
W-14M	Ø	+0.13								
W-14D	Ø	+0.14								

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Revision 4

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J. Mays
B.Austin
P.Yamamoto
B.Biskeborn
D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before):
BAROMETRIC (after): 29.94

BY: C Wilson DATE: 4/13 START TIME: 3:00 FINISH TIME: 16:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	+0.08								
W-1M	Ø	+0.11								
W-1D	Ø	+0.32	<.31							
W-2A	Ø	+0.07								
0.7 W-2B	.7	+0.16								
W-3S	Ø	0.10								
W-3M	Ø	0.20								
W-3D	1.6	0.33	No	Data						
W-4	Ø	+0.12								
W-5S	Ø	+0.01								
W-5M	Ø	+0.12								
W-5D	Ø	+0.37								
W-6	Ø	+0.12								
W-7S	Ø	+0.06								
W-7M	Ø	+0.19								
W-7D	4	+0.39	No	Data						
W-8	Ø	+0.06								
W-9A	Ø	+0.00								
W-9B	Ø	+0.06								
W-10S	Ø	+0.01								
W-10M	Ø	+0.55								
W-10D	Ø	+0.06								
W-11	Ø	+0.06								
W-12S	Ø	+0.01								
W-12M	Ø	+0.06								
W-12D	Ø	+0.65								
W-13	Ø	+0.03								
W-14S	Ø	+0.02								
W-14M	Ø	+0.02								
W-14D	Ø	+0.47								

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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

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B.Austin
P.Yamamoto
B.Biskeborn
D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): _____
BAROMETRIC (after): 29.94

BY: RJ/CW DATE: 4/15/92 START TIME: 14:00 FINISH TIME: _____

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	Ø	+0.02								
E-2S	Ø	+0.00								
E-2M	Ø	+0.01								
E-2D	Ø	+0.00								
E-3	Ø	0.00								
E-4	Ø	+0.00								
E-5S	Ø	+0.01								
E-5M	Ø	+0.03								
E-5D	Ø	+0.01								
E-6	0.5	+0.07								
E-7	0.0	0.00								
E-8S	0.0	+0.02								
E-8M	0.0	+0.02								
E-8D	0.0	+0.01								
E-9	0.0	0.02								
E-10	Ø	0.04								
E-11S	0.0	0.00								
E-11M	0.0	0.00								
E-11D	0.0	0.20								
E-12	Ø	0.07								
E-13	0.0	0.01								
E-14S	Ø	+0.04								
E-14M	Ø	+0.03								
E-14D	Ø	+0.15								

COMMENTS:

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BRADLEY LANDFILL
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Revision 4

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EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 206

BAROMETRIC (before):
BAROMETRIC (after): 29.89

BY: C. Wilson DATE: 4/20 START TIME: 2:00 FINISH TIME: 4:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0	10.03								
W-1M	0	10.24								
W-1D	0	10.00								
W-2A	0	10.11								
W-2B	0	10.24	No	Data						
W-3S	0	10.16								
W-3M	0	10.37								
W-3D	0	10.55								
W-4	0	DH	10.21							
W-5S	0	10.01								
W-5M	0	10.16								
W-5D	0	10.01								
W-6	0	10.10								
W-7S	0	10.00								
W-7M	0	10.02								
W-7D	0	10.13								
W-8	0	10.12								
W-9A	0	10.00								
W-9B	0	10.11								
W-10S	0	10.02								
W-10M	0	10.75								
W-10D	0	10.16								
W-11	0	10.02								
W-12S	0	10.00								
W-12M	0	10.12								
W-12D	0	10.09								
W-13	0	10.96								
W-14S	0	10.07								
W-14M	0	10.06								
W-14D	0	10.17								

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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

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EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before):
BAROMETRIC (after): 29.87

BY: C. Wilson DATE: 4/10 START TIME: 2:00 FINISH TIME: 4:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0	0.03								
E-2S	0	0.02								
E-2M	0	0.08								
E-2D	0	0.00								
E-3	0	0.03								
E-4	0	0.01								
E-5S	0	0.16								
E-5M	0	0.01								
E-5D	0	0.01								
E-6	0	0.01								
E-7	0	0.01								
E-8S	0	0.02								
E-8M	0	0.01								
E-8D	0	0.05								
E-9	0	0.02								
E-10	0	0.21								
E-11S	0	0.05								
E-11M	0	0.01								
E-11D	0	0.08								
E-12	0	0.14								
E-13	0	0.10								
E-14S	0	0.00								
E-14M	0	0.09								
E-14D	0	0.06								

COMMENTS:

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Revision 4

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EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): _____
BAROMETRIC (after): 30.01

BY: OW + RJ DATE: 4/27/93 START TIME: 2:30 FINISH TIME: 4:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	Ø	0.00								
E-2S	Ø	-0.01								
E-2M	Ø	-0.01								
E-2D	Ø	-0.01								
E-3	Ø	+0.01								
E-4	Ø	+0.01								
E-5S	Ø	+0.00								
E-5M	Ø	+.03								
E-5D	Ø	-0.01								
E-6	Ø	0.00								
E-7	3.0	+0.02	No	Data						
E-8S	Ø	+0.01								
E-8M	Ø	-0.01								
E-8D	Ø	-0.01								
E-9	Ø	+0.02								
E-10	Ø	+0.02								
E-11S	Ø	+0.05								
E-11M	Ø	+0.02								
E-11D	Ø	+0.02								
E-12	Ø	+0.03								
E-13	Ø	+0.00								
E-14S	Ø	+0.02								
E-14M	Ø	+0.02								
E-14D	Ø	+0.02								

COMMENTS: Did NOT Received data in time.

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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

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S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): _____
BAROMETRIC (after): 30.01

BY: C. Wilson, R. John DATE: 4/27/92 START TIME: 2:30 FINISH TIME: 4:05

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (*WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	+0.00								
W-1M	Ø	+0.07								
W-1D	Ø	+0.14								
W-2A	Ø	+0.04								
W-2B	Ø	+0.06								
W-3S	Ø	+0.05								
W-3M	Ø	+0.10								
W-3D	Ø	+0.20								
W-4	Ø	+0.07								
W-5S	Ø	+0.03								
W-5M	Ø	+0.07								
W-5D	Ø	+0.20								
W-6	Ø	+0.04								
W-7S	Ø	+0.10								
W-7M	Ø	+0.04								
W-7D	Ø	+0.19								
W-8	Ø	+0.02								
W-9A	Ø	+0.07								
W-9B	Ø	+0.02								
W-10S	Ø	0.04								
W-10M	Ø	0.27								
W-10D	Ø	0.04								
W-11	Ø	0.00								
W-12S	Ø	0.01								
W-12M	Ø	0.00								
W-12D	Ø	0.00								
W-13	+0.04	0.00								
W-14S	Ø	0.15								
W-14M	Ø	0.04								
W-14D	Ø	0.0								

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BRADLEY LANDFILL
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S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): _____
BAROMETRIC (after): 30.01

BY: OW + RS DATE: 4/27/93 START TIME: 2:30 FINISH TIME: 4:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	Ø	0.00								
E-2S	Ø	0.01								
E-2M	Ø	-0.01								
E-2D	Ø	-0.01								
E-3	Ø	+0.01								
E-4	Ø	+0.01								
E-5S	Ø	+0.00								
E-5M	Ø	+.03								
E-5D	Ø	-0.01								
E-6	Ø	0.00								
E-7	3.0	+0.02	No	Data						
E-8S	Ø	+0.01								
E-8M	Ø	-0.01								
E-8D	Ø	-0.01								
E-9	Ø	+0.02								
E-10	Ø	+0.02								
E-11S	Ø	+0.05								
E-11M	Ø	+0.02								
E-11D	Ø	+0.02								
E-12	Ø	+0.03								
E-13	Ø	+0.00								
E-14S	Ø	+0.02								
E-14M	Ø	+0.02								
E-14D	Ø	+0.02								

COMMENTS: Did NOT Recewed data in time.

Valley Reclamation
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

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EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before):
BAROMETRIC (after) 29.85

BY: C. Wilson DATE: 5/5/92 START TIME: 1:15 FINISH TIME: 2:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	-0.03								
W-1M	Ø	0.00								
W-1D	Ø	0.01								
W-2A	Ø	+0.02								
W-2B	Ø	+0.01								
W-3S	Ø	-0.17								
W-3M	Ø	+0.08								
W-3D	Ø	+0.00								
W-4	Ø	-0.02								
W-5S	Ø	0.00								
W-5M	Ø	0.00								
W-5D	Ø	+0.03								
W-6	Ø	+0.06								
W-7S	Ø	0.08								
W-7M	Ø	-0.03								
W-7D	Ø	-0.12								
W-8	Ø	+0.06								
W-9A	Ø	+0.00								
W-9B	Ø	+0.04								
W-10S	Ø	0.72								
W-10M	Ø	+0.07								
W-10D	Ø	+0.01								
W-11	Ø	+0.02								
W-12S	Ø	+0.11								
W-12M	Ø	+0.08								
W-12D	Ø	0.52								
W-13	Ø	+0.03								
W-14S	Ø	+0.00								
W-14M	Ø	+0.00								
W-14D	Ø	+0.19								

Valley Reclamation
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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

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J. Mays
B.Austin
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B.Biskeborn
D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): _____
BAROMETRIC (after): 29.97

BY: R. Johnson DATE: 5/6/92 START TIME: 10:30 FINISH TIME: 12:20

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	Ø	-0.01								
E-2S	Ø	0.00								
E-2M	Ø	0.00								
E-2D	Ø	0.00								
E-3	Ø	0.00								
E-4	Ø	0.00								
E-5S	Ø	0.00								
E-5M	Ø	0.01								
E-5D	Ø	0.00								
E-6	Ø	0.00								
E-7	Ø	0.00								
E-8S	Ø	-0.01								
E-8M	Ø	0.00								
E-8D	Ø	0.01								
E-9	Ø	-0.03								
E-10	Ø	-0.01								
E-11S	Ø	-0.03								
E-11M	Ø	0.01								
E-11D	Ø	-0.13								
E-12	Ø	-0.07								
E-13	Ø	0.00								
E-14S	Ø	-0.03								
E-14M	Ø	-0.02								
E-14D	Ø	-0.13								

COMMENTS: Noticed Drag on pump when hooked up to Probe - 8D. possibly water in probe. - Same pump drag @ probe E-1

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

BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

cc: G.Loughnane
J. Mays
B.Austin
P.Yamamoto
B.Biskeborn
D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before):
BAROMETRIC (after): 29.84

BY: CW DATE: 5/13/9 START TIME: 2.50 FINISH TIME: 4.30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	X.04								
W-1M	Ø	X.00								
W-1D	Ø	X.00								
W-2A	Ø	X.02								
W-2B	Ø	X.01								
W-3S	Ø	X.03								
W-3M	Ø	X.06								
W-3D	Ø	X.08								
W-4	Ø	X.11								
W-5S	Ø	X.02								
W-5M	Ø	X.02								
W-5D	Ø	X.03								
W-6	Ø	X.08								
W-7S	Ø	X.04								
W-7M	Ø	X.08								
W-7D	Ø	X.00								
W-8	Ø	X.23								
W-9A	Ø	X.18								
W-9B	Ø	X.00								
W-10S	Ø	X.21								
W-10M	Ø	X.09								
W-10D	Ø	X.01								
W-11	Ø	X.03								
W-12S	Ø	X.00								
W-12M	Ø	X.00								
W-12D	Ø	X.04								
W-13	Ø	X.02								
W-14S	Ø	X.41								
W-14M	Ø	X.00								
W-14D	Ø	X.00								

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BRADLEY LANDFILL
GAS PROBE READINGS
Revision 4

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D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): 29.
BAROMETRIC (after): 29.87

BY: C. Wilson DATE: 5/13/92 START TIME: 2.50 FINISH TIME: 4:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	Ø	+0.01								
E-2S	Ø	+0.03								
E-2M	Ø	+0.03								
E-2D	Ø	+0.04								
E-3	Ø	+0.02								
E-4	Ø	+0.02								
E-5S	Ø	0.10								
E-5M	Ø	0.00								
E-5D	Ø	+0.01								
E-6	Ø	+0.17								
E-7	Ø	+0.01								
E-8S	Ø	+0.03								
E-8M	Ø	+0.00								
E-8D	Ø	+0.00								
E-9	Ø	+0.18								
E-10	Ø	+0.01								
E-11S	Ø	+0.02								
E-11M	Ø	+0.14								
E-11D	Ø	+0.26								
E-12	Ø	+0.01								
E-13	Ø	+0.04								
E-14S	Ø	+0.02								
E-14M	Ø	+0.02								
E-14D	Ø	+0.00								

COMMENTS:

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EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before):
BAROMETRIC (after): 29.05

BY: RJ/CW DATE: 5/18/92 START TIME: 14:30 FINISH TIME: _____

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0	0.10								
W-1M	0	0.19								
W-1D	0	0.34								
W-2A	0.2	0.14								
W-2B	0	0.07								
W-3S	0	0.01								
W-3M	0	0.22								
W-3D	0	0.40								
W-4	0	0.15								
W-5S	0	-0.01								
W-5M	0	0.10								
W-5D	0	0.05								
W-6	0	0.16								
W-7S	0	0.07								
W-7M	0	0.24								
W-7D	0	0.42								
W-8	0	0.04								
W-9A	0	0.05								
W-9B	0	0.06								
W-10S	0	.05								
W-10M	0	.54								
W-10D	0	.06								
W-11	0	-0.01								
W-12S	0	0.04								
W-12M	0	0.58								
W-12D	0	0.03								
W-13	0	0.00								
W-14S	0	-0.01								
W-14M	0	0.00								
W-14D	0	0.00								

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BRADLEY LANDFILL
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D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before):
BAROMETRIC (after): 29.95

BY: RJ/CW. DATE: 5/18 START TIME: 1:30 FINISH TIME: 14:15

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	Ø	0.03								
E-2S	Ø	0.03								
E-2M	Ø	0.02								
E-2D	Ø	0.02								
E-3	Ø	0.00								
E-4	Ø	0.00								
E-5S	Ø	0.01								
E-5M	Ø	0.01								
E-5D	Ø	0.01								
E-6	Ø	0.08								
E-7	Ø	0.08								
E-8S	Ø	0.01								
E-8M	Ø	0.05								
E-8D	Ø	0.05								
E-9	Ø	0.06								
E-10	Ø	0.04								
E-11S	Ø	0.05								
E-11M	Ø	0.08								
E-11D	Ø	0.16								
E-12	Ø	0.12								
E-13	Ø	0.03								
E-14S	Ø	0.10								
E-14M	Ø	0.03								
E-14D	Ø	0.07								

COMMENTS:

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S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): _____
BAROMETRIC (after): 29.85

BY: [illegible] DATE: 5/27 1:15 START TIME: 1:15 2:00 FINISH TIME: 2:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	1	0.3								
E-2S	Ø	0.06								
E-2M	1.5	0.09								
E-2D	Ø	0.17								
E-3	Ø	0.3								
E-4	Ø	0.16								
E-5S	Ø	0.00								
E-5M	Ø	0.00								
E-5D	Ø	0.02								
E-6	Ø	0.01								
E-7	Ø	0.04								
E-8S	Ø	0.32								
E-8M	Ø	0.04								
E-8D	Ø	0.18								
E-9	Ø	0.09								
E-10	Ø	0.05								
E-11S	Ø	0.05								
E-11M	Ø	+0.11								
E-11D	Ø	0.05								
E-12	Ø	+0.06								
E-13	Ø	+0.14								
E-14S	Ø	+0.02								
E-14M	Ø	+0.08								
E-14D	Ø	+0.00								

COMMENTS:

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BRADLEY LANDFILL
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EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before):
BAROMETRIC (after): 29.85

BY: CW DATE: 5/27 START TIME: 2:00 FINISH TIME: 3:15

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ('WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	0.17								
W-1M	Ø	.05								
W-1D	Ø	0.02								
W-2A	Ø	0.01								
W-2B	Ø	0.27								
W-3S	Ø	0.31								
W-3M	Ø	0.19								
W-3D	Ø	0.13								
W-4	Ø	0.11								
W-5S	Ø	0.05								
W-5M	Ø	0.14								
W-5D	Ø	0.28								
W-6	Ø	0.13								
W-7S	Ø	0.02								
W-7M	Ø	0.18								
W-7D	Ø	0.29								
W-8	Ø	0.00								
W-9A	Ø	0.02								
W-9B	Ø	0.02								
W-10S	1.0	0.17								
W-10M	Ø	0.03								
W-10D	Ø	0.24								
W-11	Ø	0.02								
W-12S	Ø	0.29								
W-12M	Ø	0.03								
W-12D	Ø	0.04								
W-13	Ø	0.02								
W-14S	Ø	0.02								
W-14M	Ø	0.00								
W-14D	Ø	0.05								

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EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before):
BAROMETRIC (after): 29.85

BY: C. Wilson DATE: 6/2/92 START TIME: 2:41 FINISH TIME: 3:30

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	+0.03								
W-1M	Ø	+0.05								
W-1D	Ø	+0.08								
W-2A	Ø	+0.11								
W-2B	Ø	+0.00								
W-3S	Ø	+0.09								
W-3M	Ø	+0.18								
W-3D	Ø	+0.35								
W-4	Ø	+0.04								
W-5S	Ø	0.07								
W-5M	Ø	+0.36								
W-5D	Ø	+0.14								
W-6	Ø	+0.03								
W-7S	Ø	0.07								
W-7M	Ø	+0.20								
W-7D	3	+0.40								
W-8	Ø	0.00								
W-9A	Ø	+0.12								
W-9B	Ø	+0.05								
W-10S	Ø	+0.03								
W-10M	Ø	+0.45								
W-10D	Ø	+0.08								
W-11	Ø	+0.17								
W-12S	Ø	-0.02								
W-12M	Ø	0.00								
W-12D	Ø	+0.19								
W-13	Ø	+0.10								
W-14S	Ø	+0.03								
W-14M	Ø	+0.45								
W-14D	Ø	+0.08								

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BRADLEY LANDFILL
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D.Vidal
S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before):
BAROMETRIC (after): 29.85

BY: C. Wilson DATE: 6/7/92 START TIME: 1:22 FINISH TIME: 2:41

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	Ø	-0.01								
E-2S	Ø	0.00								
E-2M	Ø	-0.01								
E-2D	Ø	0.00								
E-3	Ø	0.00								
E-4	Ø	0.00								
E-5S	Ø	0.00								
E-5M	Ø	0.00								
E-5D	Ø	0.00								
E-6	Ø	+0.07								
E-7	Ø	+0.00								
E-8S	Ø	+0.08								
E-8M	Ø	+0.09								
E-8D	Ø	+0.06								
E-9	Ø	+0.01								
E-10	Ø	+0.03								
E-11S	Ø	+0.09								
E-11M	Ø	+0.06								
E-11D	Ø	+0.10								
E-12	Ø	+0.02								
E-13	Ø	+0.09								
E-14S	Ø	+0.06								
E-14M	Ø	+0.03								
E-14D	Ø	+0.02								

COMMENTS:

Valley Reclamation
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EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): _____
BAROMETRIC (after): 29.84

BY: R Johnson DATE: 6/9/92 START TIME: 16:07 FINISH TIME: 17:15

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW (°WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	0	0.05								
E-2S	0	-0.01								
E-2M	0	-0.01								
E-2D	0	-0.01								
E-3	0	0.01								
E-4	0	0.01								
E-5S	0	0.00								
E-5M	0	0.03								
E-5D	0	-0.01								
E-6	0	0.01								
E-7	0.1	0.00								
E-8S	0	0.03								
E-8M	0	0.05								
E-8D	0	0.01								
E-9	0	0.05								
E-10	0.4	0.03								
E-11S	17.0	0.04								
E-11M	0	0.04								
E-11D	0	0.10								
E-12	0	0.05								
E-13	0	0.01								
E-14S	0	0.05								
E-14M	0	0.04								
E-14D	0	0.11								

COMMENTS: Field Audit Time: 17:15
Cal. Gas 2.5% Read 2.3%
" " 50% Read. 49%

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EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): _____
BAROMETRIC (after): 29.84

BY: R. Johnson DATE: 6/9/92 START TIME: 15:09 FINISH TIME: _____

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0.1	0.05								
W-1M	0	0.11								
W-1D	0	0.19								
W-2A	0	0.06								
W-2B	0.2	0.05								
W-3S	0	0.05								
W-3M	0	0.12								
W-3D	0	0.22								
W-4	0	0.06								
W-5S	0	0.04								
W-5M	0	0.08								
W-5D	0	0.23								
W-6	0	0.10								
W-7S	0	0.06								
W-7M	0	0.14								
W-7D	2.0	0.25								
W-8	0	0.03								
W-9A	0	0.06								
W-9B	0	0.04								
W-10S	0	0.05								
W-10M	0	0.42								
W-10D	0	0.09								
W-11	0	0.05								
W-12S	0	0.03								
W-12M	0	0.07								
W-12D	0	0.47								
W-13	0.1	0.05								
W-14S	0	0.01								
W-14M	0	0.03								
W-14D	0	0.30								

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EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before): _____
BAROMETRIC (after): _____

BY: C. Wilson DATE: 6/15/92 START TIME: 12:30 FINISH TIME: 2:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
E-1	Ø	+ 0.00								
E-2S	Ø	+ 0.13								
E-2M	Ø	+ 0.09								
E-2D	Ø	+ 0.07								
E-3	Ø	+ 0.01								
E-4	Ø	+ 0.00								
E-5S	Ø	+ 0.00								
E-5M	Ø	+ 0.00								
E-5D	Ø	+ 0.00								
E-6	Ø	+ 0.13								
E-7	Ø	+ 0.08								
E-8S	Ø	+ 0.06								
E-8M	Ø	+ 0.00								
E-8D	Ø	0.00								
E-9	Ø	+ 0.02								
E-10	Ø	0.13								
150 → E-11S	[illegible]	0.07								
E-11M	Ø	0.00								
E-11D	Ø	0.00								
E-12	Ø	+ 0.02								
E-13	Ø	0.00								
E-14S	Ø	+ 0.01								
E-14M	Ø	0.00								
E-14D	Ø	0.00								

COMMENTS:

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BRADLEY LANDFILL
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EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before):_____
BAROMETRIC (after): _____

BY: C. Wilson DATE: 6/4/92 START TIME: 12:30 FINISH TIME: 2:00

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	Ø	+0.00								
W-1M	Ø	+0.19								
W-1D	Ø	+0.68								
W-2A	Ø	+0.01								
W-2B	Ø	+0.01								
W-3S	Ø	+0.00								
W-3M	Ø	+0.03								
W-3D	Ø	+0.23								
W-4	Ø	+0.07								
W-5S	Ø	+0.02								
W-5M	Ø	+0.00								
W-5D	Ø	+0.00								
W-6	Ø	+0.01								
W-7S	Ø	+0.01								
W-7M	Ø	+0.01								
W-7D	Ø	+0.04								
W-8	Ø	+0.07								
W-9A	Ø	+0.10								
W-9B	Ø	+0.00								
W-10S	Ø	+0.05								
W-10M	Ø	+0.02								
W-10D	Ø	+0.10								
W-11	Ø	+0.00								
W-12S	Ø	+0.00								
W-12M	Ø	0.00								
W-12D	Ø	+0.16								
W-13	Ø	+0.13								
W-14S	Ø	+0.00								
W-14M	Ø	+0.45								
W-14D	Ø	+0.08								

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S.Kilgore
EMD Techs

EQUIPMENT USED
Gas Tech, NP-204
Neotronics, PDM 205

BAROMETRIC (before):_____
BAROMETRIC (after): _____

BY: Bel Johnson DATE: 6/2/02 START TIME: _____ FINISH TIME: 1624

PROBE	CH4%	PRESS	WELL#	GAS TEMP	PW ("WC)	FLOW (cfm)	O2%	N2%	CH4%	WELL ADJ
W-1S	0	0.05								
W-1M	0	0.09								
W-1D	0	0.17								
W-2A	0	0.05								
W-2B	0	0.06								
W-3S	0	0.02								
W-3M	0	0.15								
W-3D	0	0.24								
W-4	0	0.09								
W-5S	0	0.05								
W-5M	0	0.11								
W-5D	0	0.24								
W-6	0	0.10								
W-7S	0	0.06								
W-7M	0	0.13								
W-7D	0.2	0.23								
W-8	0	0.06								
W-9A	0	0.07								
W-9B	0	0.13								
W-10S	0	0.08								
W-10M	0	0.49								
W-10D	0	0.11								
W-11	0	0.03								
W-12S	0	0.03								
W-12M	0	0.09								
W-12D	0	0.45								
W-13	0.2	0.04								
W-14S	0	0.02								
W-14M	0	0.04								
W-14D	0	0.31								

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